

2005 Kentucky Soybean Performance Tests

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Web Site Features:

- [Selection key](#) to sort or create subsets of Summary Table 4. [Description](#) on page 4.
- [Nomination form](#), [cover letter](#), and [instructions](#) for 2006 tests entries.

Kentucky Grain Crops Web Site:

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

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

Five soybean tests were planted in 2005 in Kentucky. The test locations are shown below. Soil types, planting dates, and other information are shown in Table 1.

Location of the 2005 Kentucky Soybean Tests

- 1. Caldwell County
- 2. Fayette County
- 3. Henderson County
- 4. Marshall County
- 5. Warren County

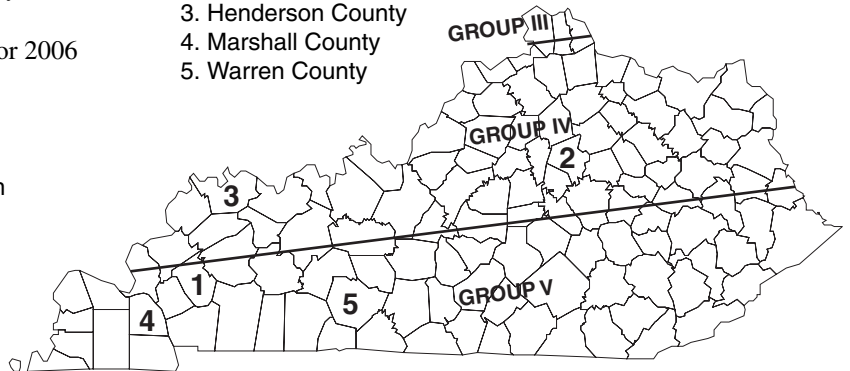


Table 1. Location, Planting, and Climatic Data for the 2005 Soybean Performance Tests

Test	Farmer	Extension Agent	Soil Type	Date of Planting	Soil Test	Fertilizer Applied ¹	50% Chance of Killing Frost ²
Caldwell County Full Season	Princeton Exp. Station		Crider Silt Loam	5/11	P 162 K 490 pH 6.5	None	10/21
Warren County Full Season	Western Kentucky University		Pembroke Silt Loam	5/18	P 181 K 712 pH 6.7	None	10/21
Fayette County Full Season	Lexington Exp. Station		Woolper Silt Loam	5/04	P 368 K 289 pH 5.8	None	10/25
Marshall County Full Season	Dale Smothers	Lincoln Martin	Waverly Silt Loam	5/10	P 64 K 250 pH 6.2	None	10/20
Henderson County Full Season	Lynsey Embrey	Mike Smith	Loring-Grenada Silt Loam	5/12	P 237 K 491 pH 5.4	None	10/22

¹ Amount per acre.

² Based on 30-year average.

Methods

All tests were planted in a randomized complete block design by maturity group. The tests (Tables 5 through 9) had two replications (plots) of each variety. The individual plots were 20 feet long and six rows wide with 16 inches between rows (seeding rate: five to six viable seeds per foot of row). All plots were treated with herbicides and maintained as weed-free as possible. All plots were chemically end-trimmed to 16 feet approximately one month after planting.

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

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

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

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

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

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.

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 problems, a resistant variety (indicated by a "*" or "*" suffix) should be used in your production system with a recommended crop rotation program. (See Kentucky Cooperative Extension Service publication PPA-42, *Soybean Cyst Nematode*, available at both your county Extension office and on the Grain Crops Web site.) The level of SCN infestation as well as the SCN race can be determined through the SCN laboratory at Princeton. **Test your fields.** Contact your county Extension office for more information on collecting and submitting samples. The importance of resistant varieties has increased as the number of acres affected by SCN has increased. SCN occurs in 32 western Kentucky counties, representing 90% of the state's soybean acreage. Low levels of SCN show few visible symptoms but can cause yield losses of up to 25%.

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

Table 4, consisting of a summary of the five full-season tests, is recommended for selecting varieties for maximum yield in double crop systems and for full-season systems. Better yielding full-season varieties are also the better-yielding double crop varieties (Todd Pfeiffer 1987. *Applied Agricultural Research*

Summary Table 4 is the recommended table for variety performance.

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.")

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.

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

Growing Conditions and Special Circumstances

Kentucky’s weather during the soybean growing season was dominated by high temperatures and rainfall from remnants of tropical storms (<http://www.wagwx.ca.uky.edu/annual.shtml>). Kentucky experienced the sixth driest May/June on record, with June temperatures 2°F above normal. Rainfall in July was primarily from remnants of Hurricane Dennis, with western Kentucky benefiting the most. August started out dry with

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

regions in the state in moderate to severe drought. Temperatures averaged 3.4° F above normal. Hurricane Katrina produced some heavy rainfall, and west and central Kentucky ended the month with significantly above-normal precipitation (Princeton +7”, Bowling Green +5”). September remained warm (+3.5°F), but returned to dry conditions (37% of normal precipitation statewide). Kentucky soybean production was forecast at 50.0 million bushels, down 13% from 2004; yield was estimated at 40 bu/a (<http://www.nass.usda.gov/ky/PressRel/octcrop.pdf>).

Soybean Production Information

The Kentucky Cooperative Extension Service has a series of publications, *Soybean Production in Kentucky*, that 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, *Planning 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 are available online at the Grain Crops Web site (URL on page 1). The planting guide from this series is reproduced below for your convenience (Table 2).

Kentucky State Seed Law

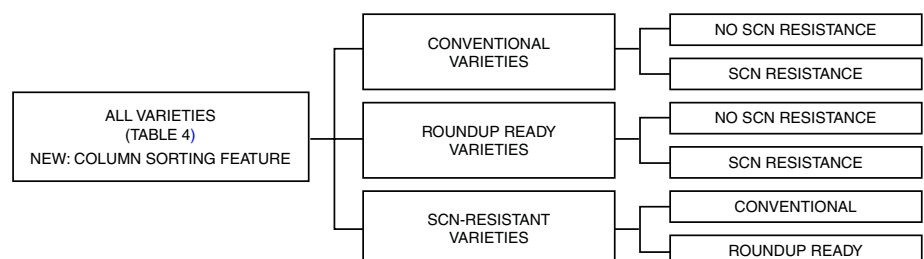
The Kentucky State Seed Law requires all seed exposed, offered for sale, or sold in Kentucky to be labeled as to kind and variety for each agricultural seed component present in excess of 5% of the whole and the percentage by weight of each component. All soybean seed blends should be labeled as to the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

Acknowledgments

In addition to the county agents and farm cooperators mentioned in Table 1, students Orrie Canham, Matthew Anderson, Nathan Hamilton, and Paul Shumaker have contributed to the production of this publication. Thanks go to Western Kentucky University for supporting the soybean variety test project. The testing of novel soybean varieties is funded by the New Crop Opportunities Center at the University of Kentucky through a USDA Special Grant.

Selection Key

This feature of the 2005 Kentucky Soybean Performance Tests Web site has column header sort buttons and provides subsets of Table 4, “Summary: Variety Test Tables 5-9.” Subsets of the data in Table 4 provide alternative views of the data to show those varieties that are selected by basic questions a soybean producer might ask. For example, a soybean producer interested in Roundup Ready SCN-resistant varieties would click the “Roundup Ready” box connected to the SCN variety box.



Sources of Seeds

The seed planted in the 2005 Soybean Performance Tests was acquired from the following sources:

Adler Seeds

Doug Nesbitt.....(800) 536-2676
6085 W 550 N
Sharpsville, TN 46062
cnesbitt@adlerseeds.com
ADLER SEEDS 462RRN
ADLER SEEDS 435 (high protein, food grade)
ADLER SEEDS 405 (high protein, food grade)

Armor Soybeans

Cade Greeno
1 Pennsylvania Drive
Waldenburg, AR 72475
ARMOR 47-G7
ARMOR GP-422

Beck's Superior Hybrids

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

Bio Gene Seeds

Drew Lawwill.....(937) 444-6422
5477 Tri-county Highway
Sardinia, OH 45171
drew@biogeneseeds.com
BIO GENE BG 4206RN
BIO GENE BG 4406RN

Caverndale Farms, Inc.

Brenda Welty.....(859) 236-2150
1921 Bluegrass Road
Danville, KY 40422
cavern@mis.net
CAVERNDALE CF 420 RR/STS
CAVERNDALE CF 453 RRn

Croplan Genetics/Agrialliance, LLC.

Chad Shouse.....(270) 389-1161
P.O. Box 568, 1675 US Hwy 60W
Morganfield, KY 42437
ctshouse@agrialliance.com
CROPLAN GENETICS RC3624 RR
CROPLAN GENETICS RC3935 RR
CROPLAN GENETICS RC4455 RR
CROPLAN GENETICS RC4655 RR
CROPLAN GENETICS RC4842 RR
CROPLAN GENETICS RC4955 RR

Crow's Hybrid Corn Company

Wayne Hoener.....(800) 331-7201
14575 University Avenue
Waukegan, IA 50263
wayne.hoener@channelbio.com
CROW'S C4815R
CROW'S C4142R
CROW'S C4442R

Delta Grow Seed

Lee Hughes.....(501) 842-2572
220 NW 2nd
England, AR 72046
leehughes19@hotmail.com
DELTA GROW 4340 RR
DELTA GROW 4840 RR

Delta King Seed Company

Monty Malone.....(870) 731-2992
P.O. Box 970
McCrary, AR 72101
monty.malone@deltakingseed.com
DELTA KING DK3967
DELTA KING DK3968
DELTA KING DK4566
DELTA KING DK4461
DELTA KING DK4667
DELTA KING DK4763
DELTA KING DK4866
DELTA KING DK4967
DELTA KING DK5066
DELTA KING DK5161
DELTA KING DK5366
DELTA KING DK5466
DELTA KING DK5576
DELTA KING DK5567

Delta and Pine Land Co.

Ken E. Lege.....(256) 447-0470
103 Seaboard Avenue
Piedmont, AL 36272
ken.e.lege@deltaandpine.com
DELTA AND PINE LAND DP 3861 RR
DELTA AND PINE LAND DP 4331 RR
DELTA AND PINE LAND DP 4724 RR
DELTA AND PINE LAND DP 5414 RR

Ebberts Field Seed, Inc.

John Suber.....(937) 473-3045
6840 North Street, Route 48
Covington, OH 45318
ebbertsfieldseeds@woh.rr.com
EBBERTS 1385RR
EBBERTS 1365RR

Excel Brand

Dr. Ron Secrist.....(800) 593-7708
116 East State
Camp Point, IL 62320
rsecrist@dairylandseed.com
Excel Brand 8398NRR
Excel Brand 8427NRR
Excel Brand 430NNRRSTS
Excel Brand 8448NRR
Excel Brand 8499NRR
Excel Brand 8493NRR
Excel Brand 8509NRR

Garst Seed Company

Chuck Leonard.....(270) 519-9600
5210 State Road 945
Hickory, KY 42051
Chuck.Leonard@GarstSeedCo.com
GARST SEED 3960RR/N
GARST SEED 4512RR/N
GARST SEED 4612RR/N

Distributed by Golden Harvest, Inc.

Bart Lofton.....(765) 386-7635
P.O. Box 248
Pekin, IL 61555
bart.lofton@ghseeds.com
GUTWEIN H-3945RR
GUTWEIN H-3606RR
GUTWEIN H-4024RR
GUTWEIN H-4534RR
GUTWEIN H-4878RR
GUTWEIN H-5053RR

Great Lakes Hybrids, Inc.

Mitchel Ray.....(989) 834-2251
9915 W M-21
Ovid, MI 48866
mitch.ray@greatlakeshybrid.com
GREAT LAKES GL 3710 RR
GREAT LAKES GL 3829 RR

Helena Chemical Company

Garth Jenkins.....(317) 815-6370
11711 North Pennsylvania Street, Suite 270
Carmel, IN 46032
jenkingsg@helenachemical.com
HELENA BRAND SEED 4375
HELENA BRAND SEED 4576
HELENA BRAND SEED 4875
HELENA BRAND SEED 3676
HELENA BRAND SEED 3975

Hornbeck Seed Co., Inc.

James D. Thomas.....(870) 946-2087
PO Box 472, 210 Drier Road
DeWitt, AR 72042-0472
jthomas@hbkseed.com
HORNBECK HBK R3824
HORNBECK HBK R4724
HORNBECK HBK R4924
HORNBECK HBK R5324

Kentucky Foundation Seed Project

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

LG Seeds

Jesse Grogan.....(309) 742-4112
1122 East 169th Street
Westfield, IN 46074
jesse.grogan@lgseeds.com
LG SEEDS C4115NRR
LG SEEDS C4995NRR

Miles Seed

Richard McChesney.....(800) 666-4537
P.O. Box 22879
Owensboro, KY 42304 2879
ricmcc@milesnmore.com
SOUTHERN CROSS LEVI 4.4 N, RR
SOUTHERN CROSS ABNER 5.2, N, RR
SOUTHERN CROSS DAN 4.8 N, RR
SOUTHERN CROSS ABRAHAM 4.0 N, RR
SOUTHERN CROSS MOAB 4.5 N, RR
SOUTHERN CROSS MICHAEL 4.2 N,
RR/STS
SOUTHERN CROSS REUBEN 4.8 N, RR
SOUTHERN CROSS STEPHEN 3.8 N, RR

Monsanto Company

800 N. Lindbergh Blvd.
St. Louis, MO 63167
(800) 335-2676
www.monsanto.com
www.dekalb.com
www.asgrow.com
ASGROW AG3602
ASGROW AG3905
ASGROW AG3906
ASGROW AG4403
ASGROW AG4404
ASGROW AG4503
ASGROW AG4703
ASGROW AG4801
ASGROW AG4903
DEKALB DKB46-51
DEKALB DKB36-52

Pioneer Hi-Bred Int'l., Inc.

Michael R. Hughes(800) 331-2475
7501 Memorial Pkwy, SW; Suite 205
Huntsville, AL 35802
michael.hughes@pioneer.com
PIONEER VARIETY 93M50
PIONEER VARIETY 93M90
PIONEER VARIETY 94B13
PIONEER VARIETY 94M30
PIONEER VARIETY 94M50
PIONEER VARIETY 94B73
PIONEER VARIETY 94M70
PIONEER VARIETY 95M80

Royster-Clark, Inc.

Mick Schonauer(740) 869-2181
717 Robinson Road
Washington Courthouse, OH 43160
mdschonauer@roysterclark.com
VIGORO V38N5RS
VIGORO V39N4RR
VIGORO V42N3RR
VIGORO V48N5RR
VIGORO V50N5RR
VIGORO V55N5RR
VIGORO V36N5RR
VIGORO V44N6RR
VIGORO V49N6RR

Schillinger Seed

Eric Wright(410) 827-9531
200 Bennetts Outlet Lane
Queenstown, MD 21830
ewright@schillingerseed.com
SCHILLINGER SEED 495.RC
SCHILLINGER SEED 476.RC

Seed Consultants, Inc.

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

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 3951N
SOUTHERN STATES RT 4151N
SOUTHERN STATES RT 4230N
SOUTHERN STATES RT 4440N
SOUTHERN STATES RT 4451N
SOUTHERN STATES RT 4502N
SOUTHERN STATES RT 4551N
SOUTHERN STATES RT 4651N
SOUTHERN STATES RT 4808N
SOUTHERN STATES RT 4981N
SOUTHERN STATES RT 5130N
SOUTHERN STATES RT 5302N
SOUTHERN STATES RT 5540N
SOUTHERN STATES TARA (forage)

Steyer Seeds

Joe Steyer(419) 992-4570
6154 North County Road 33
Tiffin, OH 44883
jsteyer@steyer.com
STEYER 4000 RR SCN
STEYER 4410 RR SCN
STEYER 4700 RR SCN

Stine Seed Company

Paul D. Eby(800) 362-2510
2225 Laredo Trail
Adel, IA 50003-8240
pdeby@stineseed.com
www.stineseed.com
STINE 3832-4
STINE 4302-4
STINE S4532-4
STINE S4842-4
STINE S5142-4

Syngenta Seeds

Gary Elder(270) 827-5787
535 Pennyryle Drive
Madisonville, KY 42431
gary.elder@syngenta.com
NK BRAND S35-F9
NK BRAND S37-N4
NK BRAND S39-Q4
NK BRAND S43-B1
NK BRAND S49-Q9

Trisler Seed Farms, Inc.

T. J. Hale(217) 288-9301
3274 East 800 North Road
Fairmount, IL 61841
trisler@trisler.com
TRISOY 4838RR(CN)
TRISOY 4858RR(CN)

Unisouth Genetics, Inc.

Stacy Burwick(800) 505-3133
2640-C Nolensville Road
Nashville, TN 37211
sburwick@superiorseeds.org
UNISOUTH GENETICS USG 5002T
UNISOUTH GENETICS USG 510nRR
UNISOUTH GENETICS USG 5601T
UNISOUTH GENETICS USG 7393nRR
UNISOUTH GENETICS USG 7484nRR
UNISOUTH GENETICS USG 7494nRR
UNISOUTH GENETICS USG 7499nRR

United Agri Products

Larry Stauber(901) 755-7566
57 Germantown Court, Suite 200
Cordova, TN 38018
larry.stauber@uap.com
DYNAGRO 33A37
DYNAGRO 3373NRR
DYNAGRO 3443NRR
DYNAGRO 3481NRR
DYNAGRO 33B52
DYNAGRO 31J39
DYNAGRO 35B40
DYNAGRO 37A44
DYNAGRO 35Z49
DYNAGRO 33X55

Novel Soybean Varieties

Adler Seeds

Doug Nesbitt(800) 536-2676
6085 W 550 N
Sharpsville, TN 46062
ADLER SEEDS 435 (high protein, food grade)
ADLER SEEDS 405 (high protein, food grade)

Iowa State University Research Foundation

Julie Gustafson(515) 294-9442
310 Lab of Mechanics
Ames, IA 50011-2131
IA3006PR (high protein, phytophthora resistance)
IA3008LF (lipoxigenase free)
IA3012LF (lipoxigenase free)
IA3021 (large seed, high protein)
IA3022 (large seed, high protein)
IA4003 (large seed, high protein)

Kansas State University

Bill Schapaugh(785) 532-7242
Agronomy Department
2004 Throckmorton Plant Sciences Center
Manhattan, KS 66506-5501
wts@ksu.edu
KS1613sp (low linolenic acid)
KS1642sp (low linolenic acid)
KS4103sp (high protein variety)
KS4303sp (small seeded variety)
KS5003sp (small seeded variety)
KS5005sp (large seed, high protein)

Southern States Cooperative

Howard Tabor(804) 281-1203
P.O. Box 26234
Richmond, VA 23260
TARA (forage)

University of Missouri-Delta Center

Grover Shannon(573) 379-5431
P.O. Box 160, 147 State Highway
Portageville, MO 63873
S02-7955 (natto)
S02-1001 (tofu)
S00-1434 (tofu)
S02-11303 (natto)

Virginia Tech

Glenn R. Buss(540) 231-9788
Crop and Soil Environmental Science Dept.
Blacksburg, VA 24061-0404
V97-1346 (high protein)
V98-9005 (low 18:3, high protein)
V01-6348 (low saturate, low 18:3)

Table 3. Company Disease Resistance Specifications for Entries in the 2005 Kentucky Soybean Performance Tests^A

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance ^B	Phytophthora sojae ^C		Sudden Death Syndrome ^D	Soybean Mosaic Virus ^D	Stem Canker ^D	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance ^D				
NS ADLER SEEDS 405 (high protein, food grade)	4.0							
NS ADLER SEEDS 435 (high protein, food grade)	4.3	3						
~ ADLER SEEDS 462RRN	4.6	3		T	MR			
P ANAND	5.7	3, 5, 14					MR	
~ ARMOR 47-G7	4.7	3, 9, 14		MT	MR		MR	
~ ARMOR GP-422	4.2			MT	MR		R	
~ ASGROW AG3602	3.6	3	1c	MS	MS		R	
~ ASGROW AG3905	3.9	3	1c	MT	MR		S	
~ ASGROW AG3906	3.9	3		MT	MR		R	
~ ASGROW AG4403	4.4	3	1a	MT	R		R	
~ ASGROW AG4404	4.4	3	1c	MT	R		MR	
~ ASGROW AG4503	4.5		1k	MT	R			
~ ASGROW AG4703	4.7		1a	MT	R			
~ ASGROW AG4801	4.8	3		MT	MR		S	
~ ASGROW AG4903	4.9			MS	R		R	
~ BECK 444NRR	4.4	3, 14		MT	R	MR	MR	
~ BIO GENE BG 4206RN	4.2	3	1c	MT	MS		MR	MR-CHARCOAL ROT
~ BIO GENE BG 4406RN	4.4	3		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ CAVERNDALE CF 420 RR/STSn	4.2	3, 14			MR		MR	
~ CAVERNDALE CF 453 RRn	4.5	3, 14		MT	MR	R	MR	
~ CROPLAN GENETICS RC3624 RR	3.6	3, 14	1c	MT	R	S		
~ CROPLAN GENETICS RC3935 RR	3.9	3, 14	1c	T	R	S	MR	
~ CROPLAN GENETICS RC4455 RR	4.4	3, 14		MT	R	S	MR	
~ CROPLAN GENETICS RC4655 RR	4.6	3		T	R	S	R	
~ CROPLAN GENETICS RC4842 RR	4.8	3, 14		MT	R	S	MR	
~ CROPLAN GENETICS RC4955 RR	4.9	3		T	R	S	R	
~ CROW'S C4142R	4.1	3, 14		MT	MR	MR	MR	
~ CROW'S C4442R	4.4			MT	R	MR	S	
~ CROW'S C4815R	4.8	3, 14		T	MR	MR	MR	MR-FROGEYE LEAF SPOT
~ DEKALB DK 46-51	4.6	3, 14		T	MR		MR	
~ DEKALB DKB36-52	3.6	3	1c	MS	R			
~ DELTA AND PINE LAND DP 3861 RR	3.8	3	1c	MT	MR	S	R	MR-FROGEYE LEAF SPOT
~ DELTA AND PINE LAND DP 4331 RR	4.3	3	1a	T	MR	S	MR	MR-FROGEYE LEAF SPOT
~ DELTA AND PINE LAND DP 4724 RR	4.7	3	1k	MT	MR	S	R	MR-FROGEYE LEAF SPOT
~ DELTA AND PINE LAND DP 5414 RR	5.4	3		MT	MR	MR	R	R-FROGEYE LEAF SPOT
~ DELTA KING DK3967	3.8							
~ DELTA KING DK3968	3.9	3	1c		MS		R	
~ DELTA KING DK4461	4.6	3	1a		MR		MR	
~ DELTA KING DK4566	4.5	3		T	R		R	
~ DELTA KING DK4667	4.6			MT	MR			
~ DELTA KING DK4763	4.7	3			MS		S	
~ DELTA KING DK4866	4.8	3	1a		MR		MR	
~ DELTA KING DK4967	4.9	3		T	MR		R	
~ DELTA KING DK5066	5.0	3		T	MR		R	
~ DELTA KING DK5161	5.1	3, 14		T	MS		MR	
~ DELTA KING DK5366	5.3		1c		MR		S	
~ DELTA KING DK5466	5.4	3, 14					R	
~ DELTA KING DK5567	5.5			T	R		R	
~ DELTA KING DK55T6	5.5	MR-3, MR-14		T	MS		MR	
~ DELTAGROW 4340 RR	4.3	3, 14	1a	MT	MR	MR	MR	
~ DELTAGROW 4840 RR	4.8	3, 14		MT	MR	MR	MR	
~ DYNA-GRO 31J39	3.9	3		MT	R	S	R	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 3373NRR	3.7	3, 14	1c	T	MR		MR	
~ DYNA-GRO 33A37	3.7	3, 14	1c	T	MR		MR	
~ DYNA-GRO 33B52	5.2	3, 14		T	MR		R	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 33X55	5.5	3, 14		MT	MR		MR	R-FROGEYE LEAF SPOT
~ DYNA-GRO 3443NRR	4.4	2, 3, 14	1a	T	MR		MR	
~ DYNA-GRO 3481NRR	4.8	3, 5, MR-(6, 9, 14)		MT	MR		R	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 35B40	4.0	3, 14	1a	T	MR		MR	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 35Z49	4.9	3, 14		MT	R	R	R	MR-FROGEYE LEAF SPOT
~ DYNA-GRO 37A44	4.4	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ EBBERTS 1365NRR	3.6	3, 14	1c	T	MR			
~ EBBERTS 1385NRR	3.8		1k	T	MR			
~ EXCEL BRAND 8398NRR	3.9	3			MR			
~ EXCEL BRAND 8427NRR	4.2	3			MR			
~ EXCEL BRAND 8430NNRRSTS	4.3	3			MR			
~ EXCEL BRAND 8448NRR	4.4	3			MR		MR	
~ EXCEL BRAND 8493NRR	4.9	3			MR		MR	

Table 3. Company Disease Resistance Specifications for Entries in the 2005 Kentucky Soybean Performance Tests^A

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance ^B	Phytophthora sojae ^C		Sudden Death Syndrome ^D	Soybean Mosaic Virus ^D	Stem Canker ^D	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance ^D				
~ EXCEL BRAND 8499NRR	4.9	3			MR			
~ EXCEL BRAND 8509NRR	5.0	3	1k	MT	MR		MR	
~ GARST SEED 3960RR/N	3.9	3, 14						
~ GARST SEED 4512RR/N	4.5	3	1a		MR		MR	
~ GARST SEED 4612RR/N	4.6							
~ GREAT LAKES GL 3710 RR	3.7		1k	MT	MR	S	S	
~ GREAT LAKES GL 3829 RR	3.8	3, 14		MT	MR	S	MR	
~ GUTWEIN H-3606RR	3.9	3	1k	MS	MR			
~ GUTWEIN H-3945RR	3.9	3, 14	1c	MT	S			
~ GUTWEIN H-4024RR	4.0	3		MS	MR			
~ GUTWEIN H-4534RR	4.5	3, 14	1a	MS	MR			
~ GUTWEIN H-4878RR	4.8	3		MS	R			
~ GUTWEIN H-5053RR	5.0	3, 14		MT	MS			
~ HELENA BRAND SEED 3676	3.6	3, 14	1c		MR			
~ HELENA BRAND SEED 3975	3.9	3, 14	1a		MR		MR	
~ HELENA BRAND SEED 4375	4.3	3, 14	1a		MR		MR	
~ HELENA BRAND SEED 4576	4.5	3, 14		T	MR		MR	
~ HELENA BRAND SEED 4875	4.8	3, 14		T	MR		R	
~ HORNBECK HBK R3824	4.0			S	MR	S	R	
~ HORNBECK HBK R4724	4.8			S	R	R	R	
~ HORNBECK HBK R4924	5.0	3, 14		S	R	R	R	
~ HORNBECK HBK R5324	5.2	3, 14	1k	T	MS	MR	R	
P HUTCHESON	5.8					R	R	R-PEANUT STUNT VIRUS
NS IA3006PR (high protein, phytophthora resistance)	late 3							
NS IA3008LF (lipoxygenase free)	late 3							
NS IA3012LF (lipoxygenase free)	3.4							
NS IA3021 (large seed, high-protein)	early 3							
NS IA3022 (large seed, high-protein)	late 3							
NS IA4003 (large seed, high protein)	early 4							
NS KS1613sp (low linolenic acid)	group 5							
NS KS1642sp (low linolenic acid)	group 5							
NS KS4103sp (high protein variety)	early 4							
NS KS4303sp (small seeded variety)	early 4							
NS KS5003sp (small seeded variety)	early 5							
NS KS5005sp (large seed, high protein)	group 5							
~ LG SEEDS C4115NRR	4.1	3, 14	1a	MT	MR		MR	
~ LG SEEDS C4995NRR	4.9	3		T	MR			
~ NK BRAND S35-F9	3.5		1c	MT	MR		S	
~ NK BRAND S37-N4	3.7	3, 14	1c	MT	MR		S	
~ NK BRAND S39-Q4	3.9		1c	MT	MS	S	R	
~ NK BRAND S43-B1	4.3	3, 14	1c	MT	MR		MR	
~ NK BRAND S49-Q9	4.9	1, 3, 9, 14	1c	MT	MR		MR	
~ PIONEER VARIETY 93M50	3.5	3	1k	MT	MR			
~ PIONEER VARIETY 93M90	3.9	3	1c	MT	MR			
~ PIONEER VARIETY 94B13	4.1	3		MT	MR			
~ PIONEER VARIETY 94B73	4.7		1k		MR		MR	
~ PIONEER VARIETY 94M30	4.3	3	1k	MT	MR			
~ PIONEER VARIETY 94M50	4.5	3	1c	MT	MR			
~ PIONEER VARIETY 94M70	4.7	3	1k	MT		MR		
~ PIONEER VARIETY 94M80	4.8	3		MT	R		MR	
NS S00-1434 (tofu)	5.0							
NS S02-1001 (tofu)	4.9							
NS S02-11303 (natto)	5.0							
NS S02-7955 (natto)	4.9			T				
~ SCHILLINGER SEED 476.RC	4.7	3						
~ SCHILLINGER SEED 495.RC	4.9	3			S		R	R-FROGEYE LEAF SPOT
~ SEED CONSULTANTS SC 9386A RR	3.8	3		MT	MR			
~ SEED CONSULTANTS SC 9396 RR	3.9	3, 14	1c	T	MR			
~ SEED CONSULTANTS SC 9406 RR	4.0	3		MT	MR			
~ SEED CONSULTANTS SC 9415 RR	4.1	3, 14		MT	MR			
~ SEED CONSULTANTS SC 9436 RR	4.3	3		MT	MR			
~ SEED CONSULTANTS SC 9456 RR	4.5	3, 14		MT	MR		MR	MR-FROGEYE LEAF SPOT
~ SOUTHERN CROSS ABNER 5.2 N, RR	5.2	3, 14	1c	MT	MR		MR	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR	4.0	3, 14		MT	MR			
~ SOUTHERN CROSS DAN 4.8 N, RR	4.8	R-SCN		T	MR			
~ SOUTHERN CROSS LEVI 4.4 N, RR	4.4	MR-SCN	1a	MT	MS		MR	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR/STS	4.2	3, 14			MR			STS

Table 3. Company Disease Resistance Specifications for Entries in the 2005 Kentucky Soybean Performance Tests^A

Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance ^B	Phytophthora sojae ^C		Sudden Death Syndrome ^D	Soybean Mosaic Virus ^D	Stem Canker ^D	Other Reported Resistance
			Resistance Gene Rps	Field Tolerance ^D				
~ SOUTHERN CROSS MOAB 4.5 N, RR	4.5	3, 14		MT	MR		MR	
~ SOUTHERN CROSS REUBEN 4.8 N, RR	4.8	3, 14		MT	MR			
~ SOUTHERN CROSS STEPHEN 3.8 N, RR	3.8	3	1k		MR			
~ SOUTHERN STATES RT 3851N	3.8	3, 14	1c	MT	MR			
~ SOUTHERN STATES RT 3951N	3.9	3	1c	T				
~ SOUTHERN STATES RT 4151N	4.1	3, 14	1b	MT	MR			
~ SOUTHERN STATES RT 4230N	4.2	3, 14	1c	T	MR			
~ SOUTHERN STATES RT 4440N	4.4	3, 14	1c	T				
~ SOUTHERN STATES RT 4451N	4.4	3, 14	1a	T				
~ SOUTHERN STATES RT 4502N	4.5	3, 14	1c	T	MR			
~ SOUTHERN STATES RT 4551N	4.5	3	1a	MT	MR			
~ SOUTHERN STATES RT 4651N	4.6	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 4808N	4.8	3, 14	1a	T	R		MR	
~ SOUTHERN STATES RT 4981N	4.9	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 5130N	5.1	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 5302N	5.3	3, 14	1c	MT	MR		R	
~ SOUTHERN STATES RT 5540N	5.5	3, 14		MS	MR		R	
~ STEYER 4000 RR SCN	4.0	3, 14		MT	MR	MR	MR	
~ STEYER 4410 RR SCN	4.4	3, 14	1a	MT	MR	MR	MR	
~ STEYER 4700 RR SCN	4.7	3, 14		MT	MR	MR	MR	
~ STINE 3832-4	3.8	3, 14	1k	T				
~ STINE 4302-4	4.3	3, 14		MT				
~ STINE 4532-4	4.5	3, 14	1k	T				
~ STINE 4842-4	4.6	3, 14		T				
~ STINE 5142-4	5.0	3, 14		T				
NS TARA (forage)	5.5						MR	
P TEEJAY	5.3					R	R	
~ Trisoy 4838RR(CN)	4.8	3		MT	MR	MR	MR	
~ Trisoy 4858RR(CN)	4.8	3		MT	MR	R	R	
UNISOUTH GENETICS USG 5002T	5.0				MR		R	R-BSR, R-FROGEYE
~ UNISOUTH GENETICS USG 510nRR	5.1	MR-3, MR-14			MR		R	MR-ROOT KNOT, MR-FROGEYE, R-CERCOSPORA
UNISOUTH GENETICS USG 5601T	5.6				MR	R		R-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 7393nRR	3.9	3, MR-14	1k		MR		R	
~ UNISOUTH GENETICS USG 7484nRR	4.8	MR-3, MR-14			MR			MR-FROGEYE LEAF SPOT
~ UNISOUTH GENETICS USG 7494nRR	4.9	3, 14			MR			
~ UNISOUTH GENETICS USG 7499nRR	4.9	3, MR-14			MR		R	R-CERCOSPORA
NS V00-4272 (low 18:3)	5.5							
NS V01-6348 (low saturate, low 18:3)	5.8							
NS V97-1346 (high protein)	4.7							
NS V98-9005 (low 18:3, high protein)	5.4							
~ VIGORO V36N5RS	3.6	3, 14	1c	MT	MR		MR	
~ VIGORO V38N5RS	3.8	3, 14	1c	MT	MR			
~ VIGORO V39N4RR	3.9	3, 14	1k		MR			
~ VIGORO V42N3RS	4.2	3, 14		MT	MR			MR-FROGEYE LEAF SPOT
~ VIGORO V44N6RR	4.4			MT	MR		MR	MR-FROGEYE LEAF SPOT
~ VIGORO V48N5RR	4.8	3		T	MS			MR-FROGEYE LEAF SPOT
~ VIGORO V49N6RR	4.9			MT	MR			
~ VIGORO V50N5RR	5.0	3, 14		MT				
~ VIGORO V55N5RR	5.5	3, 14		MS		MR	MR	MR-FROGEYE LEAF SPOT

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

B SCN race designation.

C 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.

D 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. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
EARLY (GROUP III)								
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8
~ ASGROW AG3906*	55.1			2.4			36.3	20.5
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2
~ STINE 3832-4**	50.8			2.6			37.0	20.3
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6
~ DELTA KING DK3967	46.7			2.6			36.1	20.4
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		36.6	20.2
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			34.8	21.0
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2
~ ASGROW AG3602*	46.1			2.8			37.7	18.3
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6
NS IA3006PR (high protein, phytophthora resistance)	30.8			2.5			39.0	19.3
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1		
MID-SEASON (GROUP IV)								
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4
~ ASGROW AG4903	61.2			2.2			36.5	20.0
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6
~ ASGROW AG4703	60.8			2.1			37.2	19.4
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1
~ CROW'S C4442R	58.9			2.1			37.4	19.9
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5
~ STINE 4532-4**	58.8			2.2			35.2	20.1

RECOMMENDED TABLE

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
~ ASGROW AG4503	58.8			2.1			35.7	21.3
~ BECK 444NRR**	58.5			2.4			35.4	20.4
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8
~ DELTA KING DK4667	57.3			2.7			35.7	20.1
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1
~ ASGROW AG4404*	55.6			2.4			37.8	19.1
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3
~ CAVERNDAL CF 453 RRn**	54.5			2.5			36.7	20.1
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3
~ STINE 4302-4**	54.4			2.4			35.4	20.1
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0
~ ARMOR GP-422	53.0			2.7			34.9	21.2
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2			36.2	20.2
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0
~ CROW'S C4142R**	50.2			2.5			35.7	19.6
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2		

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TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
LATE (GROUP V)								
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8
NS S02-11303 (natto)	59.5			2.6			36.4	18.0
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2		
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all 5 locations. These data were provided by the Iowa State University Grain Quality Analysis Services using near-infrared (NIR) analysis.

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TABLE 5. 2005 CALDWELL CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN)
	2005	04-05	03-05	2005	04-05	03-05	2005
EARLY (GROUP III)							
~ EBBERTS 1385RR	60.1	67.6		2.0	1.8		44
~ ASGROW AG3905*	58.4	65.1	61.5	2.0	1.5	1.3	42
~ DELTA AND PINE LAND DP 3861 RR*	55.0	61.8		2.3	1.8		37
~ HELENA BRAND SEED 3975**	55.0			2.3			41
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.9	63.5	60.7	2.3	1.6	1.4	37
~ GUTWEIN H-3606RR*	54.4			2.3			37
~ DELTA KING DK3968*	53.7	61.0	57.4	2.0	1.5	1.5	37
~ GREAT LAKES GL 3710 RR	53.1	61.8		2.0	1.5		34
~ STINE 3832-4**	53.1			2.5			38
~ PIONEER VARIETY 93M90*	52.2	62.0	59.5	1.8	1.4	1.3	38
~ GUTWEIN H-3945RR**	51.8	60.4	56.5	2.0	1.5	1.4	35
~ ASGROW AG3906*	51.7			2.0			38
~ EBBERTS 1365RR**	51.5	63.3		2.5	2.0		44
~ DYNA-GRO 31J39*	51.5			3.0			41
~ UNISOUTH GENETICS USG 7393nRR**	51.4			2.5			37
~ VIGORO V38N5RS**	51.3	61.5		1.8	1.4		36
~ VIGORO V39N4RR**	51.3	61.0		2.3	1.6		39
~ SEED CONSULTANTS SC 9396 RR**	51.1			2.3			41
~ NK BRAND S37-N4**	49.7	63.0	60.6	2.3	1.8	1.7	44
~ CROPLAN GENETICS RC3935 RR**	49.6			2.3			41
~ NK BRAND S39-Q4	49.4	59.4	58.3	2.3	1.6	1.4	40
~ DYNA-GRO 3373NRR**	48.1			2.0			39
~ VIGORO V36N5RR**	47.2			2.5			40
~ DYNA-GRO 33A37**	46.9	55.8		2.5	1.8		36
~ NK BRAND S35-F9	46.8	58.4		2.0	1.5		35
~ GARST SEED 3960RR/N**	46.4			2.0			39
~ DEKALB DKB36-52*	46.0	57.9		1.8	1.4		37
~ SEED CONSULTANTS SC 9386A RR*	45.9			2.3			43
~ DELTA KING DK3967	44.0			2.8			45
~ SOUTHERN STATES RT 3851N**	43.9			2.0			39
~ SOUTHERN STATES RT 3951N*	43.7			2.3			41
~ CROPLAN GENETICS RC3624 RR**	43.3			1.5			38
~ EXCEL BRAND 8398NRR*	43.3			2.0			36
~ GREAT LAKES GL 3829 RR**	42.9			2.3			37
~ HELENA BRAND SEED 3676**	40.9			2.3			39
~ PIONEER VARIETY 93M50*	40.8	53.9		2.0	1.5		40
~ ASGROW AG3602*	40.2			3.3			40
NS IA3008LF (lipoxigenase free)	35.4	42.9		3.8	3.1		39
P IA 3023	33.1	48.3		2.0	1.5		33
NS IA3022 (large seed, high protein)	32.8	47.6		3.0	2.4		38
NS IA3012LF (lipoxigenase free)	30.5	44.6	44.9	3.3	2.4	2.8	31
NS IA3006PR (high protein, phytophthora resistance)	27.4			2.5			32
NS IA3021 (large seed, high protein)	22.5	37.6		1.8	1.4		30
GROUP III AVERAGE	46.6	57.2	57.4	2.3	1.7	1.6	38
LSD (0.10)	5.6	3.8	3.5	0.5	0.3	0.2	2
MID-SEASON (GROUP IV)							
~ VIGORO V44N6RR	68.9			2.5			43
~ STINE 4532-4**	67.7			2.5			46
~ HELENA BRAND SEED 4375**	67.2	69.6		2.0	1.5		39
~ DYNA-GRO 3443NRR**	66.9	68.2	66.3	2.0	1.8	1.8	39
~ SOUTHERN STATES RT 4808N	66.5			2.3			41
~ CROPLAN GENETICS RC4455 RR**	66.0			2.5			39
~ SOUTHERN STATES RT 4451N**	66.0			2.0			42
~ UNISOUTH GENETICS USG 7484nRR**	65.9	69.2		2.8	2.6		41
~ ASGROW AG4703	64.5			2.0			39
~ SCHILLINGER SEED 476.RC*	64.1			2.8			45
~ SOUTHERN CROSS DAN 4.8 N, RR**	64.0			2.5			41
~ VIGORO V49N6RR	63.9			2.8			46
~ BECK 444NRR**	63.2			2.3			45
~ DYNA-GRO 35Z49**	63.1			2.3			49
~ HORNBECK HBK R4724	62.9			2.0			46
~ ASGROW AG4903	62.9			2.0			42
~ SOUTHERN STATES RT 4651N	62.9			1.8			40
~ DELTA KING DK4866*	62.5	69.6		2.3	2.1		40
~ DELTAGROW 4840 RR**	62.4	67.6		2.5	2.6		40
~ DYNA-GRO 3481NRR**	62.0			2.0			40
~ STINE 4842-4**	61.9	64.3		2.8	2.5		39
~ GARST SEED 4612RR/N	61.9			2.5			40
~ ASGROW AG4403*	61.7	66.6	63.0	2.3	1.8	1.7	43
~ ASGROW AG4801*	61.6	61.5		2.3	1.6		35
~ HELENA BRAND SEED 4875**	61.6	66.7		3.0	2.9		40
~ SOUTHERN CROSS MOAB 4.5 N, RR**	61.6			2.3			41
~ STEYER 4700 RR SCN**	61.0	65.1	60.1	2.0	1.8	1.8	41
~ GARST SEED 4512RR/N	60.8	65.7		2.0	1.5		40
~ STINE 4302-4**	60.8			2.3			45

TABLE 5. 2005 CALDWELL CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN)
	2005	04-05	03-05	2005	04-05	03-05	2005
~ DEKALB DKB46-51**	60.7	65.4	65.4	2.8	2.4	2.3	44
~ STEYER 4410 RR SCN**	60.6			2.0			41
~ EXCEL BRAND 8499NRR*	60.6			2.3			42
~ TRISOY 4838RR(CN)*	60.4	65.4		2.3	1.9		41
~ PIONEER VARIETY 94M80*	60.3			2.0			48
~ CROW'S C4815R**	60.1	65.9	63.6	2.8	2.4	2.3	39
~ HELENA BRAND SEED 4576**	59.9			2.0			44
NS S02-7955 (natto)	59.7	57.0		2.0	1.6		38
~ DELTA KING DK4667	59.3			2.8			45
~ DELTA AND PINE LAND DP 4331 RR*	58.9	65.4		2.3	1.9		42
~ GUTWEIN H-4534RR**	58.4			2.0			41
~ EXCEL BRAND 8448NRR*	58.3	63.5	63.2	2.0	1.5	1.4	36
~ EXCEL BRAND 8430NRRRSTSNRR*	58.2			2.0			41
~ ASGROW AG4404*	58.0			2.5			42
~ TRISOY 4858RR(CN)*	57.8			2.3			41
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	57.6	65.8	65.2	1.5	1.3	1.3	34
~ PIONEER VARIETY 94B73	57.4	65.0	64.9	2.8	2.1	2.2	43
~ CROPLAN GENETICS RC4842 RR**	57.2	61.8		2.5	1.9		41
~ LG SEEDS 4995NRR	57.2			2.0			47
NS V97-1346 (high protein)	57.2			1.8			32
~ DELTA KING DK4461*	57.1	64.4	63.4	2.0	1.8	1.8	38
~ DELTA KING DK4763*	56.9	64.8	64.7	2.8	2.4	2.3	39
~ SEED CONSULTANTS SC 9415 RR**	56.6	58.6		1.8	1.4		35
~ CROPLAN GENETICS RC4955 RR*	56.4			2.8			48
~ BIO GENE BG 4406RN*	56.3			2.3			43
~ SCHILLINGER SEED 495.RC*	56.2			2.8			47
~ DELTA KING DK4967*	55.9	62.1	62.2	2.3	2.0	2.1	42
~ DELTA AND PINE LAND DP 4724 RR*	55.6			2.0			38
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	55.5			2.0			47
~ GUTWEIN H-4878RR**	55.5			2.5			46
~ EXCEL BRAND 8493NRR*	55.5			2.3			43
~ CROW'S C4442R	55.4			2.0			35
~ ARMOR 47-G7**	55.3			2.5			39
~ NK BRAND S49-Q9**	55.1	61.2	61.1	2.5	2.1	2.2	44
~ CROPLAN GENETICS RC4655 RR*	55.0			2.0			46
~ SEED CONSULTANTS SC 9436 RR*	54.8			2.3			44
~ UNISOUTH GENETICS USG 7499nRR**	54.5	60.0		2.5	2.3		45
~ SOUTHERN STATES RT 4551N	54.5			3.0			40
~ NK BRAND S43-B1**	54.4	62.1	61.1	2.3	1.6	1.6	38
~ SOUTHERN STATES RT 4981N	54.4			2.0			46
~ SOUTHERN STATES RT 4151N**	54.2			2.3			40
~ SEED CONSULTANTS SC 9456 RR**	53.9			2.0			43
~ ADLER SEEDS 462RRN*	53.7			2.8			39
~ SOUTHERN CROSS LEVI 4.4 N, RR	53.6			2.3			35
~ PIONEER VARIETY 94B13*	53.5	62.0	61.9	1.8	1.5	1.5	38
~ VIGORO V48N5RR*	53.4	61.3		3.0	2.4		49
~ CAVERNDALE CF 453 RRn**	53.2			2.3			43
~ PIONEER VARIETY 94M70*	53.1	61.7	62.5	2.8	2.4	2.3	43
~ LG SEEDS 4115NRR	53.0			2.3			39
~ ASGROW AG4503	52.9			2.3			42
~ DYNA-GRO 37A44**	52.8			2.0			41
~ BIO GENE BG 4206RN*	52.6			2.0			41
NS S02-1001 (tofu)	52.4			3.8			36
~ SOUTHERN STATES RT 4440N**	52.3	54.2		2.0	1.9		40
~ VIGORO V42N3RR**	52.1	63.5	65.0	2.0	1.5	1.4	34
~ PIONEER VARIETY 94M30*	51.9			2.3			41
~ UNISOUTH GENETICS USG 7494nRR**	51.9	62.2		2.5	2.3		38
~ DELTA KING DK4566*	51.9			2.0			44
~ DYNA-GRO 35B40**	51.8			2.3			40
~ STEYER 4000 RR SCN**	51.7			1.5			33
~ CROW'S C4142R**	51.5			2.3			42
~ GUTWEIN H-4024RR*	50.9			1.3			33
~ ARMOR GP-422	50.7			2.5			41
~ DELTAGROW 4460RR**	50.4			2.5			45
~ EXCEL BRAND 8427NRR*	50.1			1.5			33
~ CAVERNDALE CF 420 RR/STSn**	49.1			1.8			34
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	48.9			1.5			34
NS KS4303sp (small seeded variety)	48.0	54.1		2.3	2.1		28
~ PIONEER VARIETY 94M50*	47.5			1.5			37
~ SOUTHERN STATES RT 4230N**	47.3	56.4	57.7	2.3	1.6	1.6	40
~ HORNBECK HKB R3824	47.3			2.5			42
NS ADLER 435* (high protein, food grade)	47.0			2.0			43
~ SEED CONSULTANTS SC 9406 RR*	46.7			2.0			37
NS IA4003 (large seed, high protein)	46.3			2.8			37
NS ADLER 405 (high protein, food grade)	45.1			2.5			34
~ SOUTHERN STATES RT 4502N**	42.8	53.0	55.3	1.5	1.5	1.6	45
NS KS4103sp (high protein variety)	34.6	46.4	47.9	2.5	2.4	2.3	45
GROUP IV AVERAGE	56.6	62.6	61.7	2.3	2.0	1.9	40
LSD (0.10)	6.3	4.1	3.2	0.3	0.3	0.2	3

TABLE 5. 2005 CALDWELL CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING			PLANT HEIGHT (IN) 2005
	2005	04-05	03-05	2005	04-05	03-05	
LATE (GROUP V)							
UNISOUTH GENETICS USG 5601T	68.9	70.0	70.2	2.0	2.4	2.3	43
UNISOUTH GENETICS USG 5002T	65.5	65.1	66.3	2.0	2.4	2.4	33
P ANAND**	64.7	63.5	64.3	2.0	1.9	1.8	37
~ VIGORO V55N5RR**	63.9	62.4		2.0	2.5		42
~ DYNA-GRO 33B52**	63.4	62.9	64.8	2.8	3.3	3.1	37
~ DELTA KING DK5567	63.4	61.6		2.3	3.0		40
~ HORNBECK HBK R4924**	62.6	67.5		2.0	1.9		45
~ DYNA-GRO 33X55**	61.6			2.5			44
NS KS1613sp (low linolenic acid)	61.5			2.3			37
P TEEJAY	61.1	63.1		2.0	2.1		42
NS V98-9005 (low 18:3, high protein)	61.1			2.0			37
~ VIGORO V50N5RR**	60.1	65.6		2.3	2.0		44
~ DELTA KING DK5366	60.0	55.4	56.0	3.0	3.3	3.1	45
~ DELTA KING DK5161**	59.5	60.1	61.7	2.5	3.3	3.1	37
~ SOUTHERN STATES RT 5130N**	59.4	60.4		2.0	2.5		43
NS V00-4272 (low 18:3)	59.3			2.3			43
~ DELTA KING DK5466**	58.8			2.8			43
P HUTCHESON	58.7	59.7	60.2	2.3	2.4	2.3	39
~ EXCEL BRAND 8509NRR*	58.1	60.8		2.3	2.0		46
NS S00-1434 (tofu)	57.7			3.0			43
NS KS5005sp (large seed, high protein)	57.4	60.7		2.0	2.3		25
~ SOUTHERN CROSS ABNER 5.2 N, RR**	57.0	56.8	60.4	2.8	3.1	2.9	39
~ GUTWEIN H-5053RR**	56.8	66.0		2.5	2.1		40
~ DELTA KING DK5066*	56.3			2.5			44
~ DELTA KING DK55T6**	55.9	55.8		2.8	3.1		45
~ DELTA AND PINELAND DP 5414 RR*	55.8			2.5			46
~ SOUTHERN STATES RT 5540N**	55.7	55.7		2.5	2.6		53
~ UNISOUTH GENETICS USG 510nRR**	55.3	61.0	61.7	2.0	2.3	2.1	41
NS S02-11303 (natto)	54.8			2.5			45
NS V01-6348 (low saturate, low 18:3)	51.9			2.0			30
~ SOUTHERN STATES RT 5302N**	51.7	54.2	56.7	2.0	2.3	2.2	41
~ HORNBECK HBK R5324**	49.4			2.8			38
NS KS5003sp (small seeded variety)	47.6	52.7		2.0	1.8		34
~ STINE 5142-4**	46.3	58.1	60.3	2.3	2.1	2.2	40
NS SOUTHERN STATES TARA (forage)	46.3	51.3		2.5	2.4		62
NS KS1642sp (low linolenic acid)	43.7			2.5			34
GROUP V AVERAGE	57.5	60.4	62.1	2.4	2.5	2.5	41
LSD (0.10)	6.7	4.1	3.6	0.3	0.2	0.2	4
GRAND MEAN	54.4	60.5	60.9	2.3	2.0	2.0	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 6. 2005 FAYETTE CO. FULL-SEASON VARIETY TEST.

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			MATURITY DATE
	2005	04-05	03-05	2005	04-05	03-05	2005
EARLY (GROUP III)							
~ DYNA-GRO 31J39*	39.6			1.0			9/30
~ SOUTHERN STATES RT 3851N**	39.2			1.0			9/22
~ EBBERTS 1385RR	38.9	61.3		1.0	1.6		9/28
~ SOUTHERN STATES RT 3951N*	37.9			1.3			9/21
~ DYNA-GRO 33A37**	37.8	56.6		1.0	1.4		9/21
~ DELTA KING DK3968*	37.4	58.0	64.6	1.0	1.3	1.3	9/25
~ NK BRAND S39-Q4	36.2	59.5	64.4	1.0	1.0	1.1	9/24
~ VIGORO V38N5R5**	35.5	57.6		1.0	1.1		9/23
~ VIGORO V36N5RR**	34.6			1.0			9/19
~ STINE 3832-4**	34.4			1.0			9/23
~ ASGROW AG3905*	33.9	58.6	62.1	1.0	1.5	1.5	9/29
~ DYNA-GRO 3373NRR**	33.9			1.0			9/22
~ GUTWEIN H-3945RR**	33.8	55.3	60.4	1.0	1.3	1.2	9/23
~ ASGROW AG3906*	33.8			1.0			9/25
~ GREAT LAKES GL 3710 RR	33.3	59.2		1.0	1.3		9/26
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	32.4	55.4	61.4	1.0	1.3	1.4	9/25
~ NK BRAND S37-N4**	31.9	54.3	60.2	1.0	1.8	1.6	9/22
~ EXCEL BRAND 8398NRR*	31.9			1.0			9/24
~ HELENA BRAND SEED 3975**	31.9			1.0			9/28
~ CROPLAN GENETICS RC3624 RR**	31.5			1.0			9/24
~ DELTA KING DK3967	31.4			1.3			9/25
~ PIONEER VARIETY 93M90*	31.3	56.2	61.8	1.0	1.5	1.4	9/21
~ GREAT LAKES GL 3829 RR**	30.9			1.0			9/24
~ SEED CONSULTANTS SC 9386A RR*	30.8			1.5			9/20
~ EBBERTS 1365RR**	30.6	57.2		1.0	1.6		9/21
NS IA3022 (large seed, high protein)	30.2	48.5		1.0	1.8		9/19
~ UNISOUTH GENETICS USG 7393nRR**	30.1			1.0			9/21
~ ASGROW AG3602*	29.3			1.0			9/16
~ NK BRAND S35-F9	29.2	54.0		1.0	1.0		9/22
~ HELENA BRAND SEED 3676**	29.1			1.0			9/22
~ GUTWEIN H-3606RR*	28.6			1.0			9/22
~ SEED CONSULTANTS SC 9396 RR**	28.5			1.0			9/24
~ DELTA AND PINE LAND DP 3861 RR*	27.7	54.4		1.0	1.5		9/20
~ DEKALB DKB36-52*	27.6	53.9		1.0	1.5		9/19
~ PIONEER VARIETY 93M50*	27.0	52.0		1.0	1.3		9/9
NS IA3012LF (lipoxigenase free)	27.0	45.4	49.9	1.0	1.5	1.3	9/6
~ VIGORO V39N4RR**	26.0	55.2		1.0	1.3		9/25
P IA 3023	25.8	48.8		1.0	1.0		9/13
NS IA3006PR (high protein, phytophthora resistance)	25.3			1.5			9/6
~ GARST SEED 3960RR/N**	25.0			1.0			9/22
~ CROPLAN GENETICS RC3935 RR**	23.7			1.0			9/20
NS IA3008LF (lipoxigenase free)	22.7	42.0		1.0	2.0		9/6
NS IA3021 (large seed, high protein)	22.1	45.4		1.0	1.0		9/6
GROUP III AVERAGE	31.1	54.0	60.6	1.0	1.4	1.3	9/21
LSD (0.10)	5.2	4.1	3.2	0.2	0.2	0.2	
MID-SEASON (GROUP IV)							
~ UNISOUTH GENETICS USG 7494nRR**	48.8	65.4		1.5	2.3		10/9
~ LG SEEDS 4995NRR	47.1			1.3			10/10
~ DELTA AND PINE LAND DP 4724 RR*	45.9			1.0			10/3
NS S02-7955 (natto)	45.8	50.8		1.0	1.8		10/9
~ EXCEL BRAND 8493NRR*	45.0			1.0			10/7
~ DELTAGROW 4840 RR**	44.8	61.8		1.0	2.0		10/9
~ SOUTHERN CROSS DAN 4.8 N, RR**	44.8			1.0			10/9
~ ARMOR 47-G7**	43.6			1.0			10/9
~ SOUTHERN STATES RT 4502N**	43.2	60.3	61.0	1.0	1.9	1.9	10/9
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	42.7			1.5			10/15
~ CROPLAN GENETICS RC4955 RR*	42.6			1.3			10/11
~ VIGORO V49N6RR	42.1			1.5			10/7
~ ASGROW AG4903	41.8			1.3			10/14
~ SCHILLINGER SEED 495.RC*	41.8			1.0			10/7
~ ASGROW AG4503	41.7			1.0			9/26
~ NK BRAND S49-Q9**	41.7	58.8	62.9	1.0	1.9	1.9	10/7
~ SOUTHERN STATES RT 4981N	41.7			1.0			10/12
~ STINE 4842-4**	41.7	61.3		1.3	2.3		10/11
~ HELENA BRAND SEED 4875**	41.3	61.0		1.0	2.3		10/10
~ ASGROW AG4703	40.7			1.0			10/16
~ CROW'S C4815R**	40.7	61.0	64.2	1.0	1.9	1.9	10/10
~ DYNA-GRO 35Z49**	40.7			1.5			10/11
~ DELTA KING DK4667	40.5			1.3			10/3
~ DYNA-GRO 3481NRR**	40.4			1.0			10/3
~ PIONEER VARIETY 94M80*	40.3			1.0			10/10
~ DELTA KING DK4763*	40.1	59.6	65.1	1.0	1.9	2	10/6
~ UNISOUTH GENETICS USG 7484nRR**	40.1	61.9		1.0	2.3		10/10
NS ADLER 435* (high protein, food grade)	40.0			1.0			10/4
~ SCHILLINGER SEED 476.RC*	40.0			1.0			10/7

TABLE 6. 2005 FAYETTE CO. FULL-SEASON VARIETY TEST.

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			MATURITY DATE
	2005	04-05	03-05	2005	04-05	03-05	2005
~ STEYER 4410 RR SCN**	39.8			1.0			9/27
~ SOUTHERN STATES RT 4440N**	39.7	55.7		1.0	1.8		9/28
~ DEKALB DKB46-51**	39.5	59.3	64.3	1.0	1.9	2.1	10/2
~ STINE 4532-4**	39.4			1.0			10/13
NS V97-1346 (high protein)	39.3			1.0			10/3
~ HELENA BRAND SEED 4576**	39.1			1.0			9/26
~ VIGORO V48N5RR*	39.1	59.6		2.3	2.9		10/12
~ DELTA KING DK4866*	39.0	61.0		1.0	2.0		10/13
~ DELTA KING DK4967*	38.8	59.1	63.0	1.0	1.9	2.2	10/7
~ SOUTHERN STATES RT 4451N**	38.8			1.0			9/27
~ STEYER 4700 RR SCN**	38.8	62.7	62.8	1.0	1.6	1.9	9/30
~ HORNBECK HBK R3824	38.7			1.0			9/28
~ GUTWE=IN H-4534RR**	38.5			1.0			9/28
NS S02-1001 (tofu)	38.5			2.8			10/13
~ DYNA-GRO 37A44**	38.4			1.0			9/27
~ UNISOUTH GENETICS USG 7499nRR**	38.4	59.3		1.0	1.8		10/10
~ DYNA-GRO 3443NRR**	37.9	56.1	60.9	1.0	1.8	1.8	10/2
~ SOUTHERN STATES RT 4551N	37.7			2.5			10/15
~ SOUTHERN STATES RT 4651N	37.7			1.0			10/8
~ GUTWEIN H-4878RR*	37.6			1.0			10/5
~ TRISOY 4858RR(CN)*	37.6			1.0			10/13
~ CROPLAN GENETICS RC4842 RR**	37.1	56.4		1.0	1.9		10/4
~ SOUTHERN STATES RT 4808N	37.1			1.0			10/12
~ CROPLAN GENETICS RC4655 RR*	37.0			1.0			10/11
NS KS4303sp (small seeded variety)	37.0	52.2		2.3	2.5		9/27
~ ARMOR GP-422	36.8			1.0			9/27
~ VIGORO V42N3RR**	36.5	59.2	61.9	1.0	1.1	1.1	9/28
~ CAVERNDALE CF 420 RR/STSn**	36.4			1.0			9/28
~ HORNBECK HBK R4724	36.3			1.0			10/4
~ DELTA KING DK4461*	35.9	61.5	65.3	1.0	1.8	1.8	9/28
~ DYNA-GRO 35B40**	35.7			1.0			10/5
~ GARST SEED 4512RR/N	35.6	57.8		1.0	1.6		9/30
~ PIONEER VARIETY 94M70*	35.6	58.7	62.3	1.0	2.2	2.2	10/4
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	35.6			1.0			9/28
~ ADLER SEEDS 462RRN*	35.0			1.0			10/6
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	34.8	56.2	60.2	1.0	1.0	1.1	9/28
~ BIO GENE BG 4406RN*	34.5			1.0			9/27
~ SOUTHERN CROSS MOAB 4.5 N, RR**	34.4			1.0			9/26
~ PIONEER VARIETY 94M50*	34.3			1.0			10/7
~ BECK 444NRR**	34.2			1.0			9/29
~ VIGORO V44N6RR	34.2			1.0			9/28
~ BIO GENE BG 4206RN*	34.1			1.0			9/27
~ PIONEER VARIETY 94B73	34.1	58.4	64.5	1.0	1.6	1.8	10/2
~ ASGROW AG4403*	34.0	56.8	60.2	1.0	1.5	1.7	9/30
~ EXCEL BRAND 8499NRR*	33.8			1.0			10/13
~ STINE 4302-4**	33.8			1.0			9/26
~ PIONEER VARIETY 94M30*	33.5			1.3			9/29
~ CROW'S C4142R**	33.3			1.0			9/27
~ GARST SEED 4612RR/N	33.3			1.0			10/8
~ ASGROW AG4801*	33.1	56.5		1.0	1.4		10/12
~ DELTAGROW 4460RR**	32.9			1.0			9/26
~ SEED CONSULTANTS SC 9456 RR**	32.5			1.0			9/27
~ ASGROW AG4404*	32.4			1.0			10/1
~ SOUTHERN CROSS LEVI 4.4 N, RR	32.1			1.0			9/27
~ CAVERNDALE CF 453 RRn**	31.9			1.0			9/25
~ SOUTHERN STATES RT 4230N**	31.7	56.7	61.4	1.0	1.5	1.4	10/4
NS KS4103sp (high protein variety)	31.2	48.3	50.7	1.0	2.5	2.6	10/2
~ CROPLAN GENETICS RC4455 RR**	31.1			1.0			9/28
~ LG SEEDS 4115NRR	30.8			1.0			10/2
~ PIONEER VARIETY 94B13*	30.6	53.5	57.6	1.0	1.8	1.8	9/28
~ DELTA KING DK4566*	30.4			1.0			10/7
~ SOUTHERN STATES RT 4151N**	30.3			1.0			10/2
~ NK BRAND S43-B1**	29.9	53.7	59.1	1.0	1.6	1.8	9/26
~ SEED CONSULTANTS SC 9436 RR*	29.9			1.0			9/26
~ CROW'S C4442R	29.8			1.0			9/28
~ SEED CONSULTANTS SC 9415 RR**	29.8	53.6		1.0	1.0		9/26
~ SEED CONSULTANTS SC 9406 RR*	29.2			1.0			9/28
~ EXCEL BRAND 8448NRR*	29.1	50.1	56.7	1.0	1.0	1.1	9/27
~ DELTA AND PINE LAND DP 4331 RR*	28.9	54.9		1.0	1.6		9/28
~ GUTWEIN H-4024RR*	28.7			1.0			9/28
~ TRISOY 4838RR(CN)*	28.7	53.4		1.0	1.8		10/8
~ EXCEL BRAND 8427NRR*	27.7			1.0			9/28
~ HELENA BRAND SEED 4375**	26.8	58.3		1.0	1.6		9/30
~ EXCEL BRAND 8430NRRSTSNRR*	26.4			1.0			9/27
~ STEYER 4000 RR SCN**	26.3			1.0			9/25
NS ADLER 405 (high protein, food grade)	23.2			1.0			10/3
NS IA4003 (large seed, high protein)	21.2			1.0			9/12
GROUP IV AVERAGE	36.4	57.5	61.0	1.1	1.8	1.8	10/3
LSD (0.10)	4.9	3.7	3.1	0.2	0.2	0.2	

TABLE 6. 2005 FAYETTE CO. FULL-SEASON VARIETY TEST.

BRAND—VARIETY	YIELD (BU/AC) ^A			LODGING			MATURITY DATE
	2005	04-05	03-05	2005	04-05	03-05	2005
LATE (GROUP V)							
~ DYNA-GRO 33X55**	47.7			1.3			10/16
UNISOUTH GENETICS USG 5002T	47.5	56.4	57.9	1.5	2.8	3.2	10/8
UNISOUTH GENETICS USG 5601T	46.3	57.5	58.3	1.8	2.4	2.9	10/16
~ DELTA KING DK5366	42.6	42.4	44.9	2.0	3.1	3.5	10/16
P TEEJAY	42.6	56.2		1.0	1.9		10/15
P ANAND**	42.4	50.5	53.9	1.0	1.9	2.4	10/11
P HUTCHESON	42.4	48.4	49.7	1.0	2.4	2.8	10/19
~ DELTA KING DK5161**	42.1	53.5	55.6	1.8	2.9	3.3	10/12
NS V98-9005 (low 18:3, high protein)	42.1			1.0			10/12
~ UNISOUTH GENETICS USG 510nRR**	42.0	52.8	52.9	1.0	2.3	2.7	10/15
~ SOUTHERN CROSS ABNER 5.2 N, RR**	41.8	54.6	56.2	1.3	2.6	3.1	10/13
~ VIGORO V50N5RR**	41.8	60.1		1.0	2.0		10/10
NS KS1613sp (low linolenic acid)	41.1			1.0			10/12
~ STINE 5142-4**	41.1	56.5	60.5	1.0	2.0	2.3	10/10
~ DELTA KING DK5066*	40.9			1.0			10/15
~ SOUTHERN STATES RT 5130N**	40.8	53.2		1.5	2.6		10/11
~ SOUTHERN STATES RT 5540N**	40.7	53.9		1.5	2.4		10/10
~ DELTA KING DK55T6**	40.3	46.0		1.5	2.5		10/17
~ DYNA-GRO 33B52**	40.3	52.4	55.8	1.0	2.6	3.3	10/10
~ HORNBECK HBK R5324**	40.3			1.0			10/10
~ DELTA KING DK5466**	39.4			2.0			10/12
~ HORNBECK HBK R4924**	39.0	58.5		1.0	2.0		10/10
NS V00-4272 (low 18:3)	38.9			1.0			10/12
~ EXCEL BRAND 8509NRR*	38.7	58.4		1.0	1.8		10/8
~ DELTA AND PINELAND DP 5414 RR*	38.6			2.0			10/16
~ GUTWEIN H-5053RR**	38.5	58.6		1.0	2.0		10/12
~ SOUTHERN STATES RT 5302N**	38.3	51.2	51.9	1.0	2.0	2.3	10/12
NS S00-1434 (tofu)	38.0			2.0			10/15
NS KS1642sp (low linolenic acid)	37.8			1.8			10/8
NS S02-11303 (natto)	37.8			1.8			10/10
~ DELTA KING DK5567	37.3	41.4		1.0	2.5		10/17
NS V01-6348 (low saturate, low 18:3)	35.4			1.0			10/18
~ VIGORO V55N5RR**	34.8	49.4		1.0	2.0		10/12
NS KS5005sp (large seed, high protein)	34.2	49.3		1.0	2.0		10/16
NS KS5003sp (small seeded variety)	31.0	43.3		1.0	2.9		10/8
NS SOUTHERN STATES TARA (forage)	27.7	47.0		1.8	2.5		10/8
GROUP V AVERAGE	39.8	52.1	54.3	1.3	2.3	2.9	10/13
LSD (0.10)	3.9	3.6	3.1	0.3	0.3	0.2	
GRAND MEAN	35.8	55.0	58.9	1.1	1.9	2.0	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 7. 2005 HENDERSON CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3905*	74.0	71.4	68.4	3.0	2.8	2.2
~ SEED CONSULTANTS SC 9396 RR**	73.4			3.3		
~ DEKALB DKB36-52*	73.2	69.3		3.0	2.0	
~ CROPLAN GENETICS RC3935 RR**	73.0			3.3		
~ PIONEER VARIETY 93M90*	71.4	73.0	71.1	2.8	2.4	2.1
~ DYNA-GRO 33A37**	70.9	69.2		3.8	3.0	
~ DELTA AND PINE LAND DP 3861 RR*	70.8	70.9		3.5	2.9	
~ CROPLAN GENETICS RC3624 RR**	70.8			3.8		
~ UNISOUTH GENETICS USG 7393nRR**	69.7			3.5		
~ EBBERTS 1365RR**	69.4	74.0		3.5	3.0	
~ SEED CONSULTANTS SC 9386A RR*	69.1			3.0		
~ VIGORO V36N5RR**	68.7			3.8		
~ ASGROW AG3602*	68.5			3.8		
P IA 3023	68.2	63.9		3.0	2.5	
~ DELTA KING DK3967	67.8			3.5		
~ GUTWEIN H-3606RR*	67.8			3.3		
~ STINE 3832-4**	67.5			4.0		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	67.1	70.3	69.8	3.8	3.1	2.6
~ SOUTHERN STATES RT 3851N**	67.1			3.8		
~ EXCEL BRAND 8398NRR*	67.0			3.8		
~ NK BRAND S37-N4**	66.3	68.6	66.6	3.3	2.8	2.2
~ VIGORO V39N4RR**	65.8	66.8		4.0	2.8	
~ GUTWEIN H-3945RR**	64.4	66.3	64.1	3.3	2.6	2.1
~ VIGORO V38N5RS**	63.8	64.8		3.3	2.5	
~ ASGROW AG3906*	63.7			3.8		
~ HELENA BRAND SEED 3676**	63.5			3.0		
~ NK BRAND S35-F9	62.9	70.2		4.3	3.3	
~ HELENA BRAND SEED 3975**	62.4			3.5		
~ GREAT LAKES GL 3829 RR**	62.3			3.8		
~ PIONEER VARIETY 93M50*	60.8	66.5		3.5	2.8	
~ SOUTHERN STATES RT 3951N*	60.8			3.0		
~ EBBERTS 1385RR	60.5	66.2		3.3	3.3	
~ GARST SEED 3960RR/N**	59.3			3.0		
~ DYNA-GRO 3373NRR**	57.6			4.3		
~ NK BRAND S39-Q4	56.5	66.4	66.0	4.0	3.1	2.4
~ DELTA KING DK3968*	56.4	62.0	61.4	4.0	3.3	2.5
NS IA3012LF (lipoxygenase free)	55.5	54.4	54.2	4.5	3.3	2.7
~ DYNA-GRO 31J39*	54.2			3.3		
~ GREAT LAKES GL 3710 RR	53.8	66.8		4.0	3.1	
NS IA3022 (large seed, high protein)	53.7	51.5		4.0	2.8	
NS IA3008LF (lipoxygenase free)	48.5	51.9		4.0	3.8	
NS IA3006PR (high protein, phytophthora resistance)	47.9			4.0		
NS IA3021 (large seed, high protein)	43.1	48.4		3.5	2.3	
GROUP III AVERAGE	63.7	65.1	65.2	3.6	2.9	2.3
LSD (0.10)	5.5	4.6	3.8	0.4	0.4	0.3
MID-SEASON (GROUP IV)						
~ EXCEL BRAND 8427NRR*	78.6			3.3		
~ SOUTHERN STATES RT 4551N	78.3			3.5		
~ GARST SEED 4612RR/N	77.9			3.5		
~ BECK 444NRR**	75.6			4.0		
~ DELTA KING DK4763*	75.2	75.6	73.4	3.0	3.0	2.6
~ SOUTHERN STATES RT 4451N**	73.7			4.0		
~ DELTA AND PINE LAND DP 4331 RR*	73.6	76.1		3.8	3.3	
~ UNISOUTH GENETICS USG 7499nRR**	72.9	70.2		3.5	3.8	
~ UNISOUTH GENETICS USG 7484nRR**	72.9	72.2		3.8	3.8	
~ NK BRAND S49-Q9**	72.4	71.3	70.2	3.0	3.0	2.6
~ HELENA BRAND SEED 4875**	72.3	72.5		3.8	4.0	
~ ADLER SEEDS 462RRN*	72.2			3.5		
~ HELENA BRAND SEED 4375**	72.1	79.2		3.8	3.3	
~ VIGORO V48N5RR*	71.9	74.8		3.3	3.6	
~ ASGROW AG4903	71.8			3.0		
~ ASGROW AG4703	71.7			3.0		
~ ASGROW AG4503	71.3			3.0		
~ LG SEEDS 4115NRR	71.2			3.8		
~ PIONEER VARIETY 94M50*	70.9			3.0		
~ UNISOUTH GENETICS USG 7494nRR**	70.7	77.5		3.5	3.6	
~ ASGROW AG4403*	70.6	73.9	71.6	3.8	3.3	2.8
~ SCHILLINGER SEED 476.RC*	70.2			4.0		
~ DYNA-GRO 3443NRR**	70.0	75.2	73.3	3.3	3.0	2.5
~ TRISOY 4838RR(CN)*	70.0	75.8		4.3	3.8	
~ SCHILLINGER SEED 495.RC*	70.0			4.0		
~ ARMOR 47-G7**	69.9			3.3		
~ DYNA-GRO 37A44**	69.8			4.0		
~ ASGROW AG4801*	69.7	73.1		3.3	3.1	
~ STEYER 4700 RR SCN**	69.6	73.3	69.2	3.5	3.0	2.6
~ ASGROW AG4404*	69.2			3.3		

TABLE 7. 2005 HENDERSON CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
~ DELTA KING DK4461*	69.0	76.3	75.3	3.0	3.0	2.6
NS S02-1001 (tofu)	68.5			4.5		
~ HORNBECK HBK R4724	68.4			3.8		
~ BIO GENE BG 4406RN*	68.3			3.8		
~ CROW'S C4442R	68.3			3.0		
~ STEYER 4410 RR SCN**	68.2			3.5		
~ VIGORO V49N6RR	68.2			4.3		
~ NK BRAND S43-B1**	68.0	70.2	68.0	3.8	3.4	2.7
~ SOUTHERN CROSS LEVI 4.4 N, RR	68.0			3.0		
~ CAVERNDAL CF 453 RRn**	68.0			4.0		
~ DELTA AND PINE LAND DP 4724 RR*	67.9			3.5		
~ DYNA-GRO 3481NRR**	67.8			3.3		
~ DELTAGROW 4460RR**	67.8			3.8		
~ PIONEER VARIETY 94B73	67.7	72.9	71.4	4.0	4.0	3.3
~ EXCEL BRAND 8448NRR*	67.1	70.1	68.5	3.0	2.5	2.0
~ DELTAGROW 4840 RR**	67.1	69.3		3.8	3.9	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	66.8			4.0		
~ SOUTHERN STATES RT 4151N**	66.8			3.8		
~ GUTWEIN H-4878RR*	66.8			4.0		
~ DYNA-GRO 35Z49**	66.6			3.3		
~ STINE 4302-4**	66.6			3.8		
~ TRISOY 4858RR(CN)*	66.5			3.8		
~ SEED CONSULTANTS SC 9456 RR**	66.3			4.0		
~ DELTA KING DK4667	66.1			3.8		
~ PIONEER VARIETY 94M70*	66.0	73.7	71.1	4.0	3.9	3.4
~ ARMOR GP-422	65.9			3.8		
~ VIGORO V44N6RR	65.7			4.0		
~ GARST SEED 4512RR/N	65.6	72.9		3.0	2.9	
~ CROPLAN GENETICS RC4842 RR**	65.6	72.6		3.3	3.5	
~ STEYER 4000 RR SCN**	65.6			3.0		
~ EXCEL BRAND 8493NRR*	65.6			3.8		
~ CROPLAN GENETICS RC4455 RR**	65.5			4.0		
~ STINE 4842-4**	65.4	72.1		4.3	3.9	
~ BIO GENE BG 4206RN*	65.4			3.0		
~ DELTA KING DK4967*	65.3	75.2	73.7	3.8	3.4	3.0
~ CROW'S C4815R**	65.2	67.0	67.2	3.5	3.3	2.9
~ PIONEER VARIETY 94B13*	65.2	66.9	65.6	3.5	3.5	3.0
~ STINE 4532-4**	65.2			3.3		
~ GUTWEIN H-4534RR**	64.8			3.3		
~ DEKALB DKB46-51**	64.7	68.5	66.0	3.0	2.9	2.4
~ CAVERNDAL CF 420 RR/STSn**	64.6			3.5		
~ SOUTHERN STATES RT 4230N**	64.2	67.0	67.3	4.0	4.0	3.3
~ SOUTHERN CROSS DAN 4.8 N, RR**	64.1			3.5		
~ SOUTHERN STATES RT 4808N	64.0			4.0		
~ SOUTHERN STATES RT 4440N**	63.9	60.6		3.3	3.3	
~ EXCEL BRAND 8499NRR*	63.9			4.0		
~ VIGORO V42N3RR**	63.8	73.9	73.8	3.3	3.0	2.4
~ CROPLAN GENETICS RC4955 RR*	63.8			3.8		
~ SEED CONSULTANTS SC 9406 RR*	63.6			4.0		
~ CROPLAN GENETICS RC4655 RR*	63.4			3.3		
~ SEED CONSULTANTS SC 9415 RR**	62.5	72.6		3.8	2.9	
~ DYNA-GRO 35B40**	62.1			3.8		
~ EXCEL BRAND 8430NRRSTSNRR*	62.1			3.3		
~ HELENA BRAND SEED 4576**	61.8			3.8		
~ LG SEEDS 4995NRR	61.6			3.8		
~ GUTWEIN H-4024RR*	60.7			3.0		
~ PIONEER VARIETY 94M80*	60.2			3.0		
~ SOUTHERN STATES RT 4981N	60.2			3.5		
~ DELTA KING DK4866*	60.0	69.1		3.8	3.9	
~ HORNBECK HBK R3824	60.0			4.0		
NS ADLER 435* (high protein, food grade)	59.9			3.5		
~ PIONEER VARIETY 94M30*	59.5			3.3		
~ SEED CONSULTANTS SC 9436 RR*	59.5			3.0		
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	59.0			3.0		
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	58.5			3.3		
NS S02-7955 (natto)	57.6	65.2		2.8	2.5	
~ DELTA KING DK4566*	57.4			3.8		
~ SOUTHERN STATES RT 4651N	57.3			3.5		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	57.0	66.6	67.2	3.5	2.9	2.3
NS KS4303sp (small seeded variety)	56.9	53.8		4.0	2.6	
~ CROW'S C4142R**	56.5			4.0		
NS ADLER 405 (high protein, food grade)	54.2			4.8		
~ SOUTHERN STATES RT 4502N**	53.3	61.1	59.1	3.3	3.3	2.7
NS IA4003 (large seed, high protein)	50.1			4.0		
NS KS4103sp (high protein variety)	49.0	54.3	55.2	3.5	4.1	3.5
NS V97-1346 (high protein)	46.6			3.0		
GROUP IV AVERAGE	65.8	70.4	68.3	3.6	3.4	2.8
LSD (0.10)	6.5	5.4	3.9	0.5	0.4	0.3

TABLE 7. 2005 HENDERSON CO. FULL-SEASON VARIETY TEST.

BRAND — VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
LATE (GROUP V)						
P TEEJAY	78.2	73.1		2.8	2.8	
UNISOUTH GENETICS USG 5002T	78.0	79.1	75.0	3.0	3.1	3.1
~ DELTA KING DK5567	75.8	71.3		3.0	2.9	
P HUTCHESON	74.3	73.2	68.9	3.3	3.1	2.9
UNISOUTH GENETICS USG 5601T	74.0	75.8	72.4	3.3	3.0	3.1
~ GUTWEIN H-5053RR**	73.8	75.5		3.0	3.0	
~ DYNA-GRO 33X55**	73.8			3.0		
~ DELTA KING DK5066*	73.8			3.0		
~ DELTA KING DK55T6**	73.3	65.0		3.3	3.1	
~ STINE 5142-4**	71.9	73.1	71.1	3.0	3.0	2.8
NS V00-4272 (low 18:3)	71.8			4.0		
NS V98-9005 (low 18:3, high protein)	71.7			3.3		
~ DYNA-GRO 33B52**	71.2	66.8	66.4	3.5	3.5	3.3
~ EXCEL BRAND 8509NRR*	70.8	68.1		4.0	4.0	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	70.3	70.1	67.7	3.0	3.1	3.0
~ UNISOUTH GENETICS USG 510nRR**	70.0	68.3	67.7	3.0	2.9	2.6
~ VIGORO V55N5RR**	70.0	70.6		3.8	3.4	
~ SOUTHERN STATES RT 5130N**	69.4	63.6		3.0	3.0	
~ VIGORO V50N5RR**	69.4	74.3		3.5	3.3	
~ DELTA AND PINELAND DP 5414 RR*	69.4			3.0		
NS S02-11303 (natto)	69.3			2.8		
~ HORNBECK HBK R4924**	66.7	72.8		3.5	3.3	
~ HORNBECK HBK R5324**	66.6			3.0		
NS KS1613sp (low linolenic acid)	65.1			3.3		
~ DELTA KING DK5366	64.6	64.6	62.8	3.0	3.1	3.1
P ANAND**	64.3	66.6	64.0	2.8	2.9	2.7
~ DELTA KING DK5466**	63.6			3.8		
~ SOUTHERN STATES RT 5540N**	60.9	67.0		3.0	2.9	
~ DELTA KING DK5161**	58.9	60.5	63.5	4.0	3.9	3.7
NS KS5005sp (large seed, high protein)	58.6	61.7		2.8	2.3	
NS S00-1434 (tofu)	57.3			3.3		
~ SOUTHERN STATES RT 5302N**	56.9	59.4	59.5	3.0	2.9	2.6
NS V01-6348 (low saturate, low 18:3)	53.7			3.8		
NS SOUTHERN STATES TARA (forage)	53.5	55.1		3.3	3.1	
NS KS5003sp (small seeded variety)	49.7	46.7		3.8	3.0	
NS KS1642sp (low linolenic acid)	46.8			4.5		
GROUP V AVERAGE	66.9	67.6	67.2	3.3	3.1	3.0
LSD (0.10)	7.1	4.9	3.7	0.5	0.4	0.3
GRAND MEAN	65.5	68.1	67.3	3.5	3.2	2.7

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 8. 2005 MARSHALL CO. FULL-SEASON VARIETY TEST^A.

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3906*	74.2			3.3		
~ UNISOUTH GENETICS USG 7393nRR**	70.2			4.0		
~ DELTA KING DK3968*	66.9	69.5	61.4	2.8	2.1	2.1
~ EBBERTS 1385RR	66.9	67.0		3.3	3.3	
~ VIGORO V38N5RS**	66.2	68.4		3.8	2.6	
~ VIGORO V36N5RR**	65.4			3.0		
~ VIGORO V39N4RR**	65.2	64.1		3.3	2.9	
~ SEED CONSULTANTS SC 9386A RR*	65.2			3.3		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	64.8	65.5	59.0	3.8	3.1	2.8
~ CROPLAN GENETICS RC3624 RR**	64.2			2.8		
~ EBBERTS 1365RR**	64.0	64.7		3.0	2.8	
~ DYNA-GRO 3373NRR**	63.7			3.3		
~ PIONEER VARIETY 93M50*	63.5	62.1		3.3	2.9	
~ SOUTHERN STATES RT 3851N**	62.9			3.0		
~ GREAT LAKES GL 3710 RR	62.7	64.7		3.5	3.0	
~ GUTWEIN H-3945RR**	61.9	62.1	59.8	3.0	2.3	2.1
~ ASGROW AG3905*	61.9	63.0	57.8	2.5	2.3	2.0
~ HELENA BRAND SEED 3975**	61.5			3.3		
~ ASGROW AG3602*	60.9			3.5		
~ HELENA BRAND SEED 3676**	60.6			3.0		
~ SOUTHERN STATES RT 3951N*	59.7			3.0		
NS IA3022 (large seed, high protein)	58.7	53.6		4.5	3.9	
~ DELTA KING DK3967	58.3			3.0		
~ SEED CONSULTANTS SC 9396 RR**	58.0			2.5		
~ PIONEER VARIETY 93M90*	57.9	63.1	57.7	2.3	2.3	2.0
~ EXCEL BRAND 8398NRR*	57.8			3.3		
~ NK BRAND S39-Q4	57.6	63.8	52.8	3.0	2.4	2.0
~ DEKALB DKB36-52*	57.0	59.0		3.0	2.6	
~ DYNA-GRO 33A37**	56.6	56.4		2.8	2.1	
~ NK BRAND S37-N4**	55.8	59.9	55.9	3.8	3.8	3.2
~ NK BRAND S35-F9	54.4	60.0		3.3	3.0	
~ STINE 3832-4**	54.2			3.3		
~ DELTA AND PINE LAND DP 3861 RR*	53.8	60.0		2.8	2.6	
~ CROPLAN GENETICS RC3935 RR**	52.3			2.8		
~ GREAT LAKES GL 3829 RR**	52.1			3.3		
~ DYNA-GRO 31J39*	52.0			3.8		
~ GARST SEED 3960RR/N**	48.6			2.8		
~ GUTWEIN H-3606RR*	48.2			3.5		
NS IA3021 (large seed, high protein)	34.4	43.0		2.8	2.4	
P IA 3023	33.3	46.9		2.8	2.3	
NS IA3006PR (high protein, phytophthora resistance)	33.2			2.5		
NS IA3008LF (lipoxygenase free)	30.8	35.9		4.3	4.0	
NS IA3012LF (lipoxygenase free)	28.3	36.4	33.4	2.3	2.1	2.1
GROUP III AVERAGE	56.9	58.6	54.7	3.2	2.8	2.3
LSD (0.10)	7.5	5.1	4.5	0.6	0.5	0.4
MID-SEASON (GROUP IV)						
~ ASGROW AG4801*	76.8	72.1		2.3	2.0	
~ SOUTHERN STATES RT 4808N	76.7			2.8		
~ STEYER 4700 RR SCN**	76.2	70.8	66.7	2.3	2.3	2.2
~ CROW'S C4442R	76.1			2.5		
~ SOUTHERN STATES RT 4981N	74.6			2.5		
~ ASGROW AG4503	74.1			2.3		
~ GARST SEED 4612RR/N	74.1			2.3		
~ DELTA KING DK4967*	73.9	75.0	69.9	2.3	2.6	2.5
~ GARST SEED 4512RR/N	73.2	71.4		2.3	2.5	
~ ASGROW AG4404*	72.3			2.8		
~ SOUTHERN STATES RT 4440N**	71.9	64.6		2.5	2.3	
~ DYNA-GRO 3443NRR**	71.8	74.3	65.7	2.5	2.5	2.3
~ VIGORO V48N5RR*	71.4	67.7		3.0	3.0	
~ EXCEL BRAND 8448NRR*	71.3	74.8	65.9	2.0	2.0	1.8
~ PIONEER VARIETY 94M70*	71.0	73.6	67.4	3.0	3.4	3.1
~ DELTA AND PINE LAND DP 4331 RR*	70.7	73.8		2.3	2.5	
~ VIGORO V49N6RR	70.5			2.8		
~ GUTWEIN H-4534RR**	70.3			2.5		
~ SOUTHERN CROSS DAN 4.8 N, RR**	70.1			3.3		
~ TRISOY 4858RR(CN)*	70.0			2.3		
~ DELTA KING DK4566*	69.9			2.8		
~ EXCEL BRAND 8430NRRRSTSNRR*	69.9			2.5		
~ TRISOY 4838RR(CN)*	69.0	64.9		2.5	2.9	
~ DYNA-GRO 3481NRR**	68.7			2.8		
~ DELTA AND PINE LAND DP 4724 RR*	68.6			3.0		
~ STINE 4842-4**	68.4	64.9		2.8	3.1	
~ DELTA KING DK4866*	68.4	71.0		2.5	2.6	
~ HORNBECK HBK R4724	68.1			2.8		
~ HELENA BRAND SEED 4875**	68.0	72.2		3.0	3.6	

TABLE 8. 2005 MARSHALL CO. FULL-SEASON VARIETY TEST^A.

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
~ STINE 4532-4**	67.9			2.0		
~ DELTA KING DK4667	67.9			3.5		
~ UNISOUTH GENETICS USG 7494nRR**	67.8	71.6		2.8	3.4	
~ ADLER SEEDS 462RRN*	67.8			2.8		
~ HELENA BRAND SEED 4576**	67.7			2.8		
NS S02-1001 (tofu)	67.7			2.8		
~ ASGROW AG4903	67.4			2.8		
~ PIONEER VARIETY 94B73	67.2	70.0	58.5	3.0	3.3	2.8
~ CROPLAN GENETICS RC4955 RR*	66.9			2.8		
~ UNISOUTH GENETICS USG 7484nRR**	66.8	70.3		3.3	3.9	
~ SOUTHERN STATES RT 4451N**	66.7			2.0		
~ NK BRAND S49-Q9**	66.6	68.4	60.6	2.3	2.9	2.3
~ DYNA-GRO 35Z49**	66.6			2.8		
~ LG SEEDS 4115NRR	66.4			2.5		
~ EXCEL BRAND 8493NRR*	66.2			3.0		
~ BECK 444NRR**	66.1			2.5		
~ SOUTHERN STATES RT 4551N	65.9			3.5		
~ DEKALB DKB46-51**	65.8	70.3	60.0	2.8	3.3	2.6
~ EXCEL BRAND 8499NRR*	65.2			3.0		
~ ASGROW AG4703	65.0			2.5		
~ SOUTHERN STATES RT 4151N**	64.8			2.5		
~ PIONEER VARIETY 94M50*	64.6			2.0		
~ DYNA-GRO 37A44**	64.6			2.5		
~ ASGROW AG4403*	64.5	66.3	59.3	2.0	2.4	2.3
~ DELTA KING DK4763*	64.5	68.4	63.0	2.8	3.4	2.9
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	64.4			2.5		
~ CAVERNDAL CF 453 RRn**	64.3			2.8		
~ NK BRAND S43-B1**	63.9	64.8	59.7	2.5	2.4	2.0
~ CROPLAN GENETICS RC4842 RR**	63.9	67.4		3.0	3.0	
~ DELTA KING DK4461*	63.9	71.5	64.1	2.3	2.1	1.9
~ SCHILLINGER SEED 495.RC*	63.8			3.3		
~ CROPLAN GENETICS RC4455 RR**	63.8			2.5		
NS S02-7955 (natto)	63.1	62.9		2.0	2.0	
~ LG SEEDS 4995NRR	62.7			3.0		
~ HELENA BRAND SEED 4375**	62.5	70.9		2.8	2.8	
~ GUTWEIN H-4878RR*	62.4			3.0		
~ PIONEER VARIETY 94M30*	62.3			3.0		
~ DELTAGROW 4460RR**	62.3			2.8		
~ STEYER 4410 RR SCN**	62.0			2.3		
~ VIGORO V44N6RR	62.0			2.8		
~ ARMOR GP-422	62.0			3.5		
~ SEED CONSULTANTS SC 9436 RR*	61.9			2.5		
~ DELTAGROW 4840 RR**	61.7	64.9		3.5	3.6	
NS ADLER 435* (high protein, food grade)	61.6			2.8		
~ BIO GENE BG 4406RN*	61.1			2.8		
~ CROW'S C4815R**	61.0	64.9	60.2	2.3	2.8	2.6
~ SOUTHERN CROSS MOAB 4.5 N, RR**	60.8			3.0		
~ SEED CONSULTANTS SC 9456 RR**	60.4			2.5		
~ SOUTHERN STATES RT 4651N	59.9			2.5		
NS V97-1346 (high protein)	59.4			1.8		
~ BIO GENE BG 4206RN*	59.2			2.5		
~ GUTWEIN H-4024RR*	59.2			2.3		
~ STEYER 4000 RR SCN**	59.0			2.3		
~ UNISOUTH GENETICS USG 7499nRR**	58.7	62.8		2.8	2.8	
~ HORNBECK HBK R3824	58.7			3.0		
~ CROPLAN GENETICS RC4655 RR*	58.4			2.5		
~ EXCEL BRAND 8427NRR*	58.3			2.0		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	58.2	67.1	61.6	2.0	1.8	1.5
~ SEED CONSULTANTS SC 9415 RR**	58.2	67.7		2.3	1.9	
~ PIONEER VARIETY 94M80*	57.6			2.8		
~ SEED CONSULTANTS SC 9406 RR*	57.5			2.5		
~ STINE 4302-4**	56.9			2.5		
~ SOUTHERN CROSS LEVI 4.4 N, RR	56.4			2.8		
~ SOUTHERN STATES RT 4230N**	56.3	60.6	61.5	3.0	3.0	2.8
~ DYNA-GRO 35B40**	56.3			3.5		
~ CROW'S C4142R**	56.3			3.0		
~ VIGORO V42N3RR**	56.1	66.9	60.0	2.5	2.0	1.7
~ ARMOR 47-G7**	55.7			2.5		
~ CAVERNDAL CF 420 RR/STSn**	55.6			2.8		
~ SCHILLINGER SEED 476.RC*	55.6			3.5		
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	52.8			2.3		
~ PIONEER VARIETY 94B13*	52.6	60.4	54.9	2.3	2.3	2.1
NS KS4103sp (high protein variety)	50.8	47.9	43.9	2.8	3.9	3.3
~ SOUTHERN STATES RT 4502N**	48.8	53.9	51.7	2.8	3.0	2.6
NS IA4003 (large seed, high protein)	47.4			2.8		
NS ADLER 405 (high protein, food grade)	47.2			2.8		
NS KS4303sp (small seeded variety)	42.2	45.7		2.5	1.8	
GROUP IV AVERAGE	64.0	66.7	60.4	2.7	2.8	2.4
LSD (0.10)	7.9	4.9	4.2	0.6	0.4	0.3

TABLE 8. 2005 MARSHALL CO. FULL-SEASON VARIETY TEST^A.

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
LATE (GROUP V)						
~ DELTA KING DK5567	72.7	68.0		3.0	3.5	
~ DELTA KING DK5366	72.6	64.1	62.4	3.0	3.5	3.3
~ DELTA KING DK5066*	72.1			3.0		
NS V98-9005 (low 18:3, high protein)	71.7			2.3		
~ DYNA-GRO 33B52**	71.2	62.7	55.6	3.0	3.3	3.5
~ DYNA-GRO 33X55**	71.2			2.5		
UNISOUTH GENETICS USG 5002T	70.8	70.0	65.5	2.5	3.3	3.1
P HUTCHESON	70.3	60.9	55.7	3.3	3.4	3.3
~ UNISOUTH GENETICS USG 510nRR**	70.3	66.9	66.3	2.8	2.9	2.6
~ EXCEL BRAND 8509NRR*	69.6	60.4		3.0	3.0	
~ HORNBECK HBK R5324**	69.5			3.0		
UNISOUTH GENETICS USG 5601T	68.4	70.3	63.5	2.0	2.5	2.3
~ DELTA KING DK5466**	67.7			3.0		
~ SOUTHERN STATES RT 5302N**	67.6	57.5	58.0	2.8	2.4	2.3
~ STINE 5142-4**	67.4	63.6	61.8	3.3	3.5	3.5
~ SOUTHERN STATES RT 5130N**	67.3	56.7		3.0	2.9	
~ DELTA KING DK55T6**	67.1	59.5		3.5	3.5	
~ VIGORO V50N5RR**	67.0	59.8		2.8	3.1	
~ SOUTHERN STATES RT 5540N**	66.8	62.0		2.8	2.8	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	65.2	57.6	57.3	3.0	3.0	3.2
NS KS1613sp (low linolenic acid)	65.2			2.8		
~ HORNBECK HBK R4924**	64.6	63.7		3.0	3.4	
P ANAND**	64.2	59.4	61.9	1.5	1.3	1.3
NS S00-1434 (tofu)	63.8			3.0		
NS KS5005sp (large seed, high protein)	63.7	57.8		2.5	3.0	
~ GUTWEIN H-5053RR**	63.4	64.7		3.0	2.9	
~ VIGORO V55N5RR**	63.2	58.1		3.0	2.9	
~ DELTA AND PINELAND DP 5414 RR*	63.1			3.0		
~ DELTA KING DK5161**	62.8	62.5	56.9	3.0	3.5	3.5
NS S02-11303 (natto)	60.8			3.0		
NS KS1642sp (low linolenic acid)	57.9			3.0		
P TEEJAY	57.3	62.1		2.5	2.6	
NS V00-4272 (low 18:3)	56.1			3.3		
NS KS5003sp (small seeded variety)	55.6	47.1		3.5	2.3	
NS V01-6348 (low saturate, low 18:3)	46.7			2.5		
NS SOUTHERN STATES TARA (forage)	45.8	46.2		3.0	2.9	
GROUP V AVERAGE	65.0	60.9	60.4	2.9	3.0	2.9
LSD (0.10)	7.3	4.6	3.6	0.4	0.4	0.4
GRAND MEAN	62.5	62.8	59.2	2.8	2.8	2.5

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

A 2005 and 2004 data are from Marshall County, and the 2003 data are from Carlisle County.

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

TABLE 9. 2005 WARREN CO. FULL-SEASON VARIETY TEST^A

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ NK BRAND S39-Q4	52.5	57.7	62.9	2.3	2.0	2.3
~ ASGROW AG3906*	52.2			2.0		
~ ASGROW AG3905*	51.7	57.0	59.7	2.0	2.0	2.3
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	51.5	56.0	59.7	2.0	2.0	2.4
~ UNISOUTH GENETICS USG 7393nRR**	50.2			2.0		
~ DYNA-GRO 31J39*	49.7			2.5		
~ DYNA-GRO 3373NRR**	48.6			2.0		
~ PIONEER VARIETY 93M90*	48.1	56.4	62.5	1.8	1.9	2.2
~ HELENA BRAND SEED 3975**	48.1			2.0		
~ VIGORO V39N4RR**	46.4	53.4		2.0	2.0	
~ GUTWEIN H-3945RR**	45.5	56.1	61.7	2.0	2.0	2.1
~ NK BRAND S37-N4**	45.5	50.9	55.9	2.0	2.3	2.4
~ STINE 3832-4**	44.9			2.3		
~ DELTA AND PINE LAND DP 3861 RR*	44.7	49.5		2.3	2.4	
~ DELTA KING DK3968*	44.1	54.6	61.8	2.0	2.1	2.3
~ GARST SEED 3960RR/N**	44.1			2.0		
~ GREAT LAKES GL 3829 RR**	43.0			2.3		
~ SOUTHERN STATES RT 3851N**	42.7			2.0		
~ GUTWEIN H-3606RR*	42.0			2.3		
~ GREAT LAKES GL 3710 RR	41.4	53.8		2.0	2.3	
~ EBBERTS 1385RR	41.4	54.3		2.3	2.3	
~ SEED CONSULTANTS SC 9396 RR**	39.5			2.3		
~ VIGORO V38N5RS**	38.6	54.5		2.3	1.9	
~ PIONEER VARIETY 93M50*	38.4	47.4		2.5	2.3	
~ NK BRAND S35-F9	38.3	50.6		2.0	2.0	
~ DEKALB DKB36-52*	37.7	49.6		1.8	2.0	
~ DYNA-GRO 33A37**	37.5	50.9		2.0	2.3	
~ EBBERTS 1365RR**	36.9	52.5		2.3	2.4	
~ EXCEL BRAND 8398NRR*	36.9			2.0		
~ SEED CONSULTANTS SC 9386A RR*	35.5			2.3		
~ CROPLAN GENETICS RC3624 RR**	34.5			2.0		
~ VIGORO V36N5RR**	34.2			2.0		
~ HELENA BRAND SEED 3676**	33.9			2.3		
~ CROPLAN GENETICS RC3935 RR**	32.9			2.5		
~ DELTA KING DK3967	32.0			2.3		
~ ASGROW AG3602*	31.8			2.5		
~ SOUTHERN STATES RT 3951N*	30.7			2.0		
NS IA3021 (large seed, high protein)	27.2	36.8		2.0	1.8	
NS IA3008LF (lipoxygenase free)	25.9	35.7		3.5	3.6	
NS IA3012LF (lipoxygenase free)	23.0	36.8	44.7	2.3	2.4	3.0
P IA 3023	22.3	41.2		2.5	2.1	
NS IA3022 (large seed, high protein)	22.0	37.1		2.3	2.5	
NS IA3006PR (high protein, phytophthora resistance)	20.1			2.0		
GROUP III AVERAGE	39.3	49.7	58.6	2.2	2.2	2.4
LSD (0.10)	4.3	3.5	3.1	0.4	0.3	0.2
MID-SEASON (GROUP IV)						
~ VIGORO V48N5RR*	70.1	67.5		2.5	2.4	
~ SOUTHERN STATES RT 4451N**	68.3			2.3		
NS S02-7955 (natto)	68.2	63.1		2.0	2.1	
~ NK BRAND S49-Q9**	66.1	62.1	65.4	2.3	2.3	2.8
~ SOUTHERN STATES RT 4551N	66.1			3.0		
~ HORNBECK HBK R4724	64.8			2.0		
~ CROW'S C4442R	64.8			1.8		
~ DYNA-GRO 37A44**	63.8			2.0		
~ SOUTHERN STATES RT 4808N	63.7			2.0		
~ VIGORO V44N6RR	63.7			2.0		
~ SEED CONSULTANTS SC 9456 RR**	63.5			2.0		
~ EXCEL BRAND 8493NRR*	63.5			2.3		
~ LG SEEDS 4115NRR	63.3			2.3		
~ DYNA-GRO 35Z49**	63.0			2.3		
~ TRISOY 4858RR(CN)*	62.5			2.5		
~ ASGROW AG4903	62.4			2.0		
~ GUTWEIN H-4878RR*	62.4			2.3		
~ EXCEL BRAND 8430NRRRSTSNRR*	62.4			2.0		
~ DELTA KING DK4461*	62.2	62.5	66.3	2.0	2.0	2.4
~ ASGROW AG4703	62.0			2.0		
~ DELTA KING DK4967*	61.9	57.9	64.7	2.0	2.0	2.5
~ SCHILLINGER SEED 476.RC*	61.9			2.0		
~ SOUTHERN STATES RT 4651N	61.7			2.0		
~ DELTA KING DK4763*	61.2	60.0	64.9	2.0	2.1	2.4
~ DELTAGROW 4460RR**	61.2			2.0		
~ TRISOY 4838RR(CN)*	61.1	64.0		2.3	2.3	
~ CROPLAN GENETICS RC4455 RR**	60.9			2.3		
~ SOUTHERN STATES RT 4151N**	60.7			2.3		
~ ASGROW AG4801*	60.6	60.4		2.0	1.8	
~ VIGORO V49N6RR	60.5			2.5		

TABLE 9. 2005 WARREN CO. FULL-SEASON VARIETY TEST^A

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
NS S02-1001 (tofu)	60.2			3.0		
~ CROW'S C4815R**	60.0	60.6	64.8	2.0	2.0	2.5
~ STEYER 4700 RR SCN**	59.9	65.1	66.7	2.0	2.0	2.3
~ GARST SEED 4512RR/N	59.6	62.1		2.0	2.0	
~ ASGROW AG4403*	59.4	61.3	63.0	2.0	2.0	2.3
~ PIONEER VARIETY 94B73	59.4	58.1	62.6	2.0	2.5	2.9
~ DELTA KING DK4866*	59.2	61.3		2.3	2.4	
~ SEED CONSULTANTS SC 9436 RR*	58.9			2.0		
~ SCHILLINGER SEED 495.RC*	58.5			2.3		
NS V97-1346 (high protein)	58.5			2.0		
~ PIONEER VARIETY 94M80*	58.4			2.3		
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	58.4			2.0		
~ GARST SEED 4612RR/N	58.2			2.0		
~ EXCEL BRAND 8448NRR*	57.9	59.8	65.0	1.5	1.6	2.0
~ SOUTHERN STATES RT 4981N	57.9			2.3		
~ EXCEL BRAND 8499NRR*	57.9			2.0		
~ STEYER 4410 RR SCN**	57.4			2.0		
~ DELTA AND PINE LAND DP 4724 RR*	57.0			2.0		
~ LG SEEDS 4995NRR	56.9			2.3		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	56.8	59.8	65.8	1.8	1.9	2.1
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.7			2.0		
~ DYNA-GRO 3481NRR**	56.7			2.0		
~ CROPLAN GENETICS RC4955 RR*	56.7			2.3		
~ DYNA-GRO 3443NRR**	56.4	56.7	61.5	2.0	2.0	2.2
~ BIO GENE BG 4406RN*	56.3			2.0		
~ PIONEER VARIETY 94M70*	56.2	59.7	63.4	2.5	2.5	2.7
~ DYNA-GRO 35B40**	56.2			2.0		
~ HELENA BRAND SEED 4875**	55.8	56.7		2.5	2.8	
~ ARMOR 47-G7**	55.8			2.3		
~ GUTWEIN H-4534RR**	55.7			2.0		
~ UNISOUTH GENETICS USG 7499nRR**	55.5	54.4		2.5	2.4	
~ NK BRAND S43-B1**	55.3	57.7	63.9	2.0	2.3	2.8
~ SOUTHERN STATES RT 4440N**	55.3	52.1		2.0	2.1	
~ DELTA AND PINE LAND DP 4331 RR*	55.3	59.2		2.0	2.0	
~ UNISOUTH GENETICS USG 7494nRR**	55.2	58.2		2.3	2.6	
~ DEKALB DKB46-51**	55.0	57.7	63.4	2.0	2.0	2.4
~ PIONEER VARIETY 94M50*	55.0			1.8		
~ CAVERNDALE CF 453 RRn**	55.0			2.3		
~ DELTAGROW 4840 RR**	54.4	58.2		2.0	2.4	
~ HELENA BRAND SEED 4576**	54.4			2.3		
~ SEED CONSULTANTS SC 9415 RR**	54.3	57.8		1.8	1.5	
~ EXCEL BRAND 8427NRR*	54.3			1.8		
~ HELENA BRAND SEED 4375**	54.1	61.1		2.0	1.8	
~ ASGROW AG4503	54.1			2.0		
~ ADLER SEEDS 462RRN*	53.9			2.0		
~ SOUTHERN CROSS DAN 4.8 N, RR**	53.8			2.3		
~ STINE 4532-4**	53.8			2.3		
~ CROPLAN GENETICS RC4655 RR*	53.8			2.0		
~ STINE 4302-4**	53.7			2.3		
~ CROW'S C4142R**	53.6			2.0		
~ BECK 444NRR**	53.4			2.0		
~ CROPLAN GENETICS RC4842 RR**	53.0	55.5		2.0	2.0	
~ DELTA KING DK4667	52.8			2.3		
~ UNISOUTH GENETICS USG 7484nRR**	52.7	57.6		2.3	2.6	
~ GUTWEIN H-4024RR*	52.3			1.3		
~ STEYER 4000 RR SCN**	52.2			1.5		
~ DELTA KING DK4566*	52.2			2.0		
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	52.1			1.8		
~ SOUTHERN STATES RT 4502N**	51.8	54.2	56.8	2.0	2.1	2.6
~ VIGORO V42N3RR**	51.4	60.7	65.8	1.8	1.8	2.0
NS ADLER 435* (high protein, food grade)	51.4			2.0		
~ STINE 4842-4**	51.2	56.4		2.5	2.6	
~ HORNBECK HBK R3824	51.2			2.5		
~ PIONEER VARIETY 94M30*	50.9			2.0		
~ SOUTHERN STATES RT 4230N**	49.9	54.7	58.7	2.3	2.4	2.7
~ ARMOR GP-422	49.9			2.5		
~ CAVERNDALE CF 420 RR/STSn**	49.7			2.0		
~ BIO GENE BG 4206RN*	49.0			2.0		
~ SOUTHERN CROSS LEVI 4.4 N, RR	47.0			2.0		
~ ASGROW AG4404*	46.3			2.3		
NS KS4303sp (small seeded variety)	44.5	40.9		2.8	3.3	
NS KS4103sp (high protein variety)	42.9	45.4	51.0	2.3	2.4	3.0
~ PIONEER VARIETY 94B13*	40.9	50.4	60.8	2.0	2.1	2.5
~ SEED CONSULTANTS SC 9406 RR*	37.9			2.0		
NS ADLER 405 (high protein, food grade)	36.9			2.5		
NS IA4003 (large seed, high protein)	31.6			2.5		
GROUP IV AVERAGE	56.4	57.9	62.6	2.1	2.2	2.5
LSD (0.10)	5.2	4.1	3.7	0.3	0.3	0.3

TABLE 9. 2005 WARREN CO. FULL-SEASON VARIETY TEST^A

BRAND — VARIETY	YIELD (BU/AC) ^B			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
LATE (GROUP V)						
UNISOUTH GENETICS USG 5601T	75.7	69.4	68.3	2.5	2.8	3.3
~ DELTA KING DK5567	75.7	67.7		3.0	3.6	
UNISOUTH GENETICS USG 5002T	74.8	58.4	63.2	2.5	3.6	3.7
NS S02-11303 (natto)	74.8			3.0		
P TEEJAY	74.6	63.4		3.0	2.9	
~ DELTA KING DK5161**	73.9	62.1	63.7	3.0	3.4	3.7
~ DYNA-GRO 33B52**	73.4	64.7	65.7	2.8	3.8	3.9
~ DYNA-GRO 33X55**	73.3			2.3		
~ DELTA KING DK55T6**	73.1	61.7		3.0	3.1	
P HUTCHESON	72.6	60.8	63.1	3.0	3.0	3.3
NS V00-4272 (low 18:3)	72.4			2.8		
~ DELTA KING DK5366	71.7	61.1	61.8	3.0	3.9	3.9
NS KS1613sp (low linolenic acid)	70.7			2.8		
~ SOUTHERN STATES RT 5540N**	70.6	63.4		2.5	3.0	
~ UNISOUTH GENETICS USG 510nRR**	69.4	62.5	63.9	2.3	2.4	2.8
~ DELTA KING DK5466**	69.2			3.0		
NS V98-9005 (low 18:3, high protein)	68.3			3.0		
P ANAND**	68.1	60.2	60.5	2.0	2.1	2.7
~ HORNBECK HBK R4924**	67.1	63.8		2.0	2.3	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	66.3	61.5	61.8	2.8	3.3	3.4
~ SOUTHERN STATES RT 5302N**	65.6	58.0	59.7	2.5	2.6	2.9
~ HORNBECK HBK R5324**	65.1			2.8		
~ DELTA KING DK5066*	63.7			2.3		
NS V01-6348 (low saturate, low 18:3)	61.8			2.5		
NS S00-1434 (tofu)	61.4			3.0		
~ EXCEL BRAND 8509NRR*	61.3	59.4		2.8	3.0	
~ SOUTHERN STATES RT 5130N**	60.8	55.9		2.8	3.0	
~ VIGORO V55N5RR**	59.8	56.9		2.3	2.8	
~ STINE 5142-4**	59.2	60.5	62.7	2.8	2.8	3.3
~ VIGORO V50N5RR**	58.2	59.5		2.5	2.9	
~ DELTA AND PINELAND DP 5414 RR*	57.6			3.0		
~ GUTWEIN H-5053RR**	56.5	61.7		2.8	2.8	
NS KS1642sp (low linolenic acid)	56.2			3.0		
NS KS5005sp (large seed, high protein)	56.0	56.6		2.8	3.4	
NS KS5003sp (small seeded variety)	49.8	49.0		2.5	2.3	
NS SOUTHERN STATES TARA (forage)	41.0	49.0		2.5	2.6	
GROUP V AVERAGE	65.8	60.3	63.1	2.7	3.0	3.4
LSD (0.10)	6.6	4.9	4.0	0.3	0.5	0.4
GRAND MEAN	54.2	56.4	61.9	2.3	2.4	2.7

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

* Resistant to the soybean cyst nematode (Race 3)

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

A 2003 and 2004 data are from Butler County, and the 2005 data are from Warren County.

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



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-519 publication.

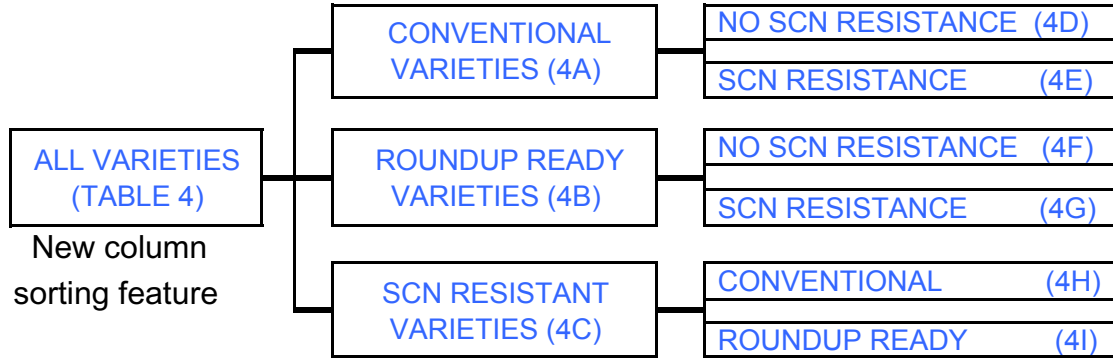
The selection key, column sorting, and tables "4A-4I" are web site features.

The nomination form, cover letter and instructions are for seed companies and others interested in entering varieties in the KY 2006 Soybean Performance Tests.

Questions or comments?

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SELECTION KEY TO SORT OR CREATE SUBSETS OF TABLE 4 (2005 SUMMARY OF THE FULL SEASON TESTS: TABLES 5-9)



Selected varieties found by using this key should also be found in the summary table containing all varieties (table 4) to observe potential yield loss by the chosen key restraints. The selected variety can be easily located in table 4 by finding its 2005 yield in the appropriate maturity group.

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This page and the following pages are not part of the printed PR-519 publication. The selection key, column sorting, and tables "4A-4I" are web site features which provide alternate views of the Summary Table 4.

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SELECTION KEY
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort	sort	sort	sort	sort	sort	sort	sort	sort	
EARLY (GROUP III)									
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
NS IA3012LF (lipoxigenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
NS IA3008LF (lipoxigenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SELECTION KEY
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort	sort	sort	sort	sort	sort	sort	sort	sort	
MID-SEASON (GROUP IV)									
~ SOUTHERN STATES RT 4451N**	62.7						2.3	35.4	20.3
~ SOUTHERN STATES RT 4808N	61.6						2.4	35.7	19.4
~ VIGORO V48N5RR*	61.2	66.2			2.8	2.9		36.3	20.4
~ ASGROW AG4903	61.2						2.2	36.5	20.0
~ STEYER 4700 RR SCN**	61.1	67.4	65.1		2.2	2.1	2.2	35.7	20.7
~ GARST SEED 4612RR/N	61.1						2.3	36.5	20.0
~ VIGORO V49N6RR	61.0						2.8	37.8	18.6
~ ASGROW AG4703	60.8						2.1	37.2	19.4
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5		2.2	2.2	2.1	34.6	21.4
~ SOUTHERN STATES RT 4551N	60.5						3.1	37.7	18.7
~ NK BRAND S49-Q9**	60.4	64.4	64.0		2.2	2.4	2.4	37.1	18.8
~ ASGROW AG4801*	60.3	64.7					2.2	37.1	20.2
~ HORNBECK HBK R4724	60.1						2.3	35.3	19.5
~ DYNA-GRO 35Z49**	60.0						2.4	35.5	19.4
~ HELENA BRAND SEED 4875**	59.8	65.8			2.7	3.1		35.4	19.1
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2			2.6	3.0		34.9	19.6
~ DELTA KING DK4763*	59.6	65.7	66.2		2.3	2.6	2.4	37.2	19.6
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4						2.5	35.9	19.5
~ DELTA KING DK4967*	59.1	65.8	66.7		2.3	2.4	2.5	36.7	20.0
~ DYNA-GRO 3481NRR**	59.1						2.2	37.5	19.4
~ EXCEL BRAND 8493NRR*	59.1						2.5	37.4	18.7
~ GARST SEED 4512RR/N	59.0	66.0			2.1	2.1		35.4	21.2
~ DELTA AND PINE LAND DP 4724 RR*	59.0						2.3	38.4	19.5
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0			2.5	2.8		36.9	19.9
NS S02-7955 (natto)	58.9	59.8			2.0	2.0		37.1	17.8
~ TRISOY 4858RR(CN)*	58.9						2.4	35.9	19.1
~ CROW'S C4442R	58.9						2.1	37.4	19.9
~ VIGORO V44N6RR	58.9						2.5	35.5	20.5
~ STINE 4532-4**	58.8						2.2	35.2	20.1
~ ASGROW AG4503	58.8						2.1	35.7	21.3
~ BECK 444NRR**	58.5						2.4	35.4	20.4
~ SCHILLINGER SEED 476.RC*	58.3						2.7	35.2	19.5
~ DELTAGROW 4840 RR**	58.1	64.3			2.6	2.9		35.5	19.5
~ ASGROW AG4403*	58.0	65.0	63.4		2.2	2.2	2.1	34.8	21.3
~ SCHILLINGER SEED 495.RC*	58.0						2.7	38.4	17.9
~ DYNA-GRO 37A44**	57.9						2.3	35.9	19.7
~ TRISOY 4838RR(CN)*	57.8	64.7			2.5	2.5		36.9	20.0
~ DELTA KING DK4866*	57.8	66.4			2.4	2.6		35.1	19.7
~ STINE 4842-4**	57.7	63.8			2.7	2.9		36.0	19.7
~ SOUTHERN STATES RT 4981N	57.7						2.3	36.5	19.8
~ STEYER 4410 RR SCN**	57.6						2.2	34.6	21.5
~ DELTA KING DK4461*	57.6	67.3	66.9		2.1	2.2	2.2	34.7	21.3
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9			2.3	2.3		34.7	21.5
~ CROPLAN GENETICS RC4455 RR**	57.5						2.5	35.5	20.3
~ GUTWEIN H-4534RR**	57.5						2.2	35.0	21.1
~ CROW'S C4815R**	57.4	63.9	64.0		2.3	2.5	2.4	37.6	19.2
NS S02-1001 (tofu)	57.4						3.4	34.5	18.8
~ DELTA KING DK4667	57.3						2.7	35.7	20.1
~ CROPLAN GENETICS RC4955 RR*	57.3						2.6	35.3	20.5
~ PIONEER VARIETY 94B73	57.2	64.9	64.3		2.6	2.7	2.6	36.4	19.3
~ DEKALB DKB46-51**	57.1	64.2	63.8		2.3	2.5	2.4	37.6	19.3
~ LG SEEDS 4995NRR	57.1						2.5	35.5	20.5
~ GUTWEIN H-4878RR*	56.9						2.6	38.2	18.1

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SELECTION KEY
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort	sort	sort	sort	sort	sort	sort	sort	sort	
MID-SEASON (GROUP IV) continued									
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SELECTION KEY
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort	sort	sort	sort	sort	sort	sort	sort	sort	
LATE (GROUP V)									
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by type (~=RR, P=Public, NS=Novel variety)

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
EARLY (GROUP III)									
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by type (~=RR, P=Public, NS=Novel variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
MID-SEASON (GROUP IV)									
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by type (~=RR, P=Public, NS=Novel variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV) continued									
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by type (~=RR, P=Public, NS=Novel variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
LATE (GROUP V)									
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by brand -- variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort alphabetically									
EARLY (GROUP III)									
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by brand -- variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
MID-SEASON (GROUP IV)									
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2			38.0	19.1	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by brand -- variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
sort alphabetically								
MID-SEASON (GROUP IV) continued								
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7
~ STINE 4302-4**	54.4			2.4			35.4	20.1
~ STINE 4532-4**	58.8			2.2			35.2	20.1
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2		

**BACK TO
SORTING
TABLE**

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by brand -- variety

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort alphabetically									
LATE (GROUP V)									
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
EARLY (GROUP III)									
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV)									
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV) continued									
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
LATE (GROUP V)									
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

B Variety protein and oil concentration was determined at the Caldwell Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
EARLY (GROUP III)									
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV)									
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV) continued									
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2			38.0	19.1	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ CAVERNDAL CF 453 RRn**	54.5			2.5			36.7	20.1	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ HORNBECK HKB R3824	51.1			2.6			34.8	20.6	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
LATE (GROUP V)									
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

B Variety protein and oil concentration was determined at the Caldwell Co. location (all test locations for NS entries) and expressed on the basis of 13% moisture.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging for current year

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
EARLY (GROUP III)									
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
NS IA3012LF (lipoygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3008LF (lipoygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging for current year

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
sort								
MID-SEASON (GROUP IV)								
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7
~ ASGROW AG4703	60.8			2.1			37.2	19.4
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2
~ CROW'S C4442R	58.9			2.1			37.4	19.9
~ ASGROW AG4503	58.8			2.1			35.7	21.3
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6
~ ASGROW AG4903	61.2			2.2			36.5	20.0
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4
~ STINE 4532-4**	58.8			2.2			35.2	20.1
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2			36.2	20.2
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5

**BACK TO
SORTING
TABLE**

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging for current year

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
	sort							
MID-SEASON (GROUP IV) continued								
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1
~ BECK 444NRR**	58.5			2.4			35.4	20.4
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3
~ ASGROW AG4404*	55.6			2.4			37.8	19.1
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3
~ STINE 4302-4**	54.4			2.4			35.4	20.1
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3
~ CAVERNDAL CF 453 RRn**	54.5			2.5			36.7	20.1
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5
~ CROW'S C4142R**	50.2			2.5			35.7	19.6
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7
~ DELTA KING DK4667	57.3			2.7			35.7	20.1
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0
~ ARMOR GP-422	53.0			2.7			34.9	21.2
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2		

BACK TO
SORTING
TABLE

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging for current year

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
LATE (GROUP V)									
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
EARLY (GROUP III)									
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV)									
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
sort								
MID-SEASON (GROUP IV) continued								
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2			38.0	19.1
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1
~ BECK 444NRR**	58.5			2.4			35.4	20.4
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3
~ ASGROW AG4404*	55.6			2.4			37.8	19.1
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3
~ STINE 4302-4**	54.4			2.4			35.4	20.1
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5
~ CROW'S C4142R**	50.2			2.5			35.7	19.6
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9
~ DELTA KING DK4667	57.3			2.7			35.7	20.1
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0
~ ARMOR GP-422	53.0			2.7			34.9	21.2
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2		

**BACK TO
SORTING
TABLE**

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 2 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
LATE (GROUP V)									
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
EARLY (GROUP III)									
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
NS IA3012LF (lipoxigenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3008LF (lipoxigenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV)									
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV) continued									
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2			38.0	19.1	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by lodging across 3 years

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
LATE (GROUP V)									
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed

on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % protein

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
EARLY (GROUP III)									
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
NS IA3012LF (lipoyxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
NS IA3008LF (lipoyxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % protein

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV)									
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2			38.0	19.1	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ CAVERNDALE CF 453 RRn**	54.5			2.5			36.7	20.1	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % protein

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
sort									
MID-SEASON (GROUP IV) continued									
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % protein

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B
	2005	04-05	03-05	2005	04-05	03-05	%	%
sort								
LATE (GROUP V)								
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1
NS S02-11303 (natto)	59.5			2.6			36.4	18.0
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2		
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7

**BACK TO
SORTING
TABLE**

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % oil

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
EARLY (GROUP III)									
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1		35.4	21.2	
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1		34.8	21.2	
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1	36.0	21.0	
~ DYNA-GRO 31J39*	49.4			2.7			34.7	21.0	
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6			36.1	21.0	
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2		34.8	21.0	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4	35.7	20.8	
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8	35.9	20.8	
~ GREAT LAKES GL 3829 RR**	46.2			2.5			34.6	20.8	
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9	35.5	20.7	
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2		35.5	20.7	
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4		36.4	20.7	
P IA 3023	36.5	49.8		2.3	1.9		34.7	20.7	
~ SOUTHERN STATES RT 3951N*	46.5			2.3			36.4	20.5	
~ ASGROW AG3906*	55.1			2.4			36.3	20.5	
~ HELENA BRAND SEED 3676**	45.6			2.3			36.6	20.5	
~ DELTA KING DK3967	46.7			2.6			36.1	20.4	
~ STINE 3832-4**	50.8			2.6			37.0	20.3	
~ DYNA-GRO 3373NRR**	50.4			2.5			36.6	20.3	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8	36.7	20.3	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4			36.6	20.2	
~ SOUTHERN STATES RT 3851N**	51.2			2.4			36.2	20.2	
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9		35.3	19.9	
~ GARST SEED 3960RR/N**	44.7			2.2			37.2	19.9	
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5			36.8	19.9	
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3			35.9	19.9	
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8		38.5	19.8	
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9	35.8	19.8	
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2		36.0	19.7	
~ EXCEL BRAND 8398NRR*	47.3			2.4			36.5	19.6	
~ GUTWEIN H-3606RR*	48.2			2.5			36.3	19.6	
~ HELENA BRAND SEED 3975**	51.7			2.4			37.2	19.5	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2			37.1	19.4	
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1		36.9	19.4	
NS IA3006PR (high protein, phytophthora resist.)	30.8			2.5			39.0	19.3	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2	36.9	19.2	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8	35.8	19.1	
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7		39.0	18.9	
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9		38.2	18.7	
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3		35.1	18.6	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4		38.4	18.4	
~ ASGROW AG3602*	46.1			2.8			37.7	18.3	
~ VIGORO V36N5RR**	50.0			2.5			38.1	18.3	
GROUP III AVERAGE	47.5	56.9	59.3	2.5	2.2	2.0	36.4	20.0	
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % oil

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV)									
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3		34.7	21.5	
~ STEYER 4410 RR SCN**	57.6			2.2			34.6	21.5	
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1	34.6	21.4	
~ ASGROW AG4503	58.8			2.1			35.7	21.3	
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3		35.3	21.3	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1	34.8	21.3	
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2	34.7	21.3	
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1		35.4	21.2	
~ ARMOR GP-422	53.0			2.7			34.9	21.2	
~ GUTWEIN H-4534RR**	57.5			2.2			35.0	21.1	
~ GUTWEIN H-4024RR*	50.3			1.8			36.4	21.0	
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7	35.6	21.0	
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4	35.7	20.9	
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7		34.9	20.9	
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2			36.2	20.8	
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0			36.1	20.7	
~ SOUTHERN STATES RT 4151N**	55.3			2.4			35.8	20.7	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2	35.7	20.7	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2		35.6	20.6	
~ HORNBECK HBK R3824	51.1			2.6			34.8	20.6	
~ EXCEL BRAND 8499NRR*	56.2			2.5			36.3	20.5	
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7	35.9	20.5	
~ VIGORO V44N6RR	58.9			2.5			35.5	20.5	
~ LG SEEDS 4995NRR	57.1			2.5			35.5	20.5	
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6			35.3	20.5	
~ BIO GENE BG 4206RN*	52.0			2.1			34.9	20.5	
~ DYNA-GRO 35B40**	52.4			2.5			34.8	20.5	
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9		36.3	20.4	
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2			36.0	20.4	
~ BECK 444NRR**	58.5			2.4			35.4	20.4	
~ BIO GENE BG 4406RN*	55.3			2.4			35.4	20.4	
~ PIONEER VARIETY 94M50*	54.4			1.9			37.5	20.3	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5			35.5	20.3	
~ SOUTHERN STATES RT 4451N**	62.7			2.3			35.4	20.3	
~ HELENA BRAND SEED 4576**	56.5			2.4			35.1	20.3	
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2	34.9	20.3	
~ ASGROW AG4801*	60.3	64.7		2.2	2.0		37.1	20.2	
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7	36.2	20.2	
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2			36.2	20.2	
~ STEYER 4000 RR SCN**	51.0			1.9			35.0	20.2	
~ CAVERNDAL CF 453 RRn**	54.5			2.5			36.7	20.1	
~ ADLER SEEDS 462RRN*	56.5			2.4			36.4	20.1	
~ DELTA KING DK4667	57.3			2.7			35.7	20.1	
~ STINE 4302-4**	54.4			2.4			35.4	20.1	
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3			35.4	20.1	
~ STINE 4532-4**	58.8			2.2			35.2	20.1	
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5		36.9	20.0	
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6	36.8	20.0	
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5	36.7	20.0	
~ ASGROW AG4903	61.2			2.2			36.5	20.0	
~ GARST SEED 4612RR/N	61.1			2.3			36.5	20.0	
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2			35.7	20.0	
~ CROW'S C4442R	58.9			2.1			37.4	19.9	

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % oil

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
MID-SEASON (GROUP IV) continued									
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8		36.9	19.9	
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3			36.6	19.9	
~ DELTA KING DK4566*	52.3			2.3			35.9	19.9	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2			35.8	19.9	
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5			35.6	19.9	
~ PIONEER VARIETY 94M30*	51.6			2.4			37.5	19.8	
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5		37.4	19.8	
~ SOUTHERN STATES RT 4981N	57.7			2.3			36.5	19.8	
NS ADLER 405 (high protein, food grade)	41.3			2.7			37.2	19.7	
~ ARMOR 47-G7**	56.0			2.3			37.1	19.7	
~ STINE 4842-4**	57.7	63.8		2.7	2.9		36.0	19.7	
~ DYNA-GRO 37A44**	57.9			2.3			35.9	19.7	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6		35.1	19.7	
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3	38.0	19.6	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4	37.2	19.6	
~ CROW'S C4142R**	50.2			2.5			35.7	19.6	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0		34.9	19.6	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3			38.4	19.5	
~ PIONEER VARIETY 94M80*	55.3			2.2			37.9	19.5	
~ EXCEL BRAND 8427NRR*	53.8			1.9			36.6	19.5	
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5			35.9	19.5	
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9		35.5	19.5	
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2	35.5	19.5	
~ HORNBECK HBK R4724	60.1			2.3			35.3	19.5	
~ SCHILLINGER SEED 476.RC*	58.3			2.7			35.2	19.5	
~ DYNA-GRO 3481NRR**	59.1			2.2			37.5	19.4	
~ ASGROW AG4703	60.8			2.1			37.2	19.4	
NS ADLER 435* (high protein, food grade)	51.9			2.3			36.4	19.4	
~ SOUTHERN STATES RT 4808N	61.6			2.4			35.7	19.4	
~ DYNA-GRO 35Z49**	60.0			2.4			35.5	19.4	
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4	37.6	19.3	
~ DELTAGROW 4460RR**	54.9			2.4			37.1	19.3	
~ LG SEEDS 4115NRR	56.9			2.4			36.8	19.3	
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6	36.4	19.3	
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6		36.3	19.3	
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4	37.6	19.2	
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5		35.7	19.2	
~ EXCEL BRAND 8430NRRSTSNRR*	55.8			2.2			38.0	19.1	
~ ASGROW AG4404*	55.6			2.4			37.8	19.1	
~ TRISOY 4858RR(CN)*	58.9			2.4			35.9	19.1	
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1		35.4	19.1	
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4	37.1	18.8	
~ SOUTHERN STATES RT 4651N	55.9			2.2			36.8	18.8	
NS S02-1001 (tofu)	57.4			3.4			34.5	18.8	
~ SOUTHERN STATES RT 4551N	60.5			3.1			37.7	18.7	
~ EXCEL BRAND 8493NRR*	59.1			2.5			37.4	18.7	
~ VIGORO V49N6RR	61.0			2.8			37.8	18.6	
NS IA4003 (large seed, high protein)	39.3			2.6			39.7	18.1	
~ GUTWEIN H-4878RR*	56.9			2.6			38.2	18.1	
~ SCHILLINGER SEED 495.RC*	58.0			2.7			38.4	17.9	
NS S02-7955 (natto)	58.9	59.8		2.0	2.0		37.1	17.8	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9	43.4	15.8	
NS V97-1346 (high protein)	52.2			1.9			44.2	15.1	
GROUP IV AVERAGE	55.8	63.0	62.8	2.4	2.4	2.3	36.3	19.9	
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2			

TABLE 4. 2005 SUMMARY: VARIETY TEST TABLES 5-9, sorted by % oil

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING			PROTEIN ^B	OIL ^B	BACK TO SORTING TABLE
	2005	04-05	03-05	2005	04-05	03-05	%	%	
	sort								
LATE (GROUP V)									
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7		36.2	19.8	
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1	36.1	19.8	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4	35.5	19.8	
NS KS1642sp (low linolenic acid)	48.4			3.0			34.5	19.8	
NS KS1613sp (low linolenic acid)	60.7			2.4			34.5	19.7	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4	35.5	19.5	
~ DELTA KING DK5466**	59.7			2.9			35.3	19.5	
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9	36.1	19.4	
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1		35.1	19.4	
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4		35.8	19.3	
~ DELTA KING DK5066*	61.3			2.4			38.1	19.2	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4	37.5	19.2	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8	37.4	19.2	
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6		37.1	19.2	
P TEEJAY	62.7	63.6		2.3	2.5		36.5	19.2	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7		37.4	19.1	
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7		36.9	19.1	
NS V00-4272 (low 18:3)	59.7			2.7			36.4	19.1	
~ HORNBECK HBK R5324**	58.1			2.5			38.0	19.0	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2	35.7	19.0	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8		38.1	18.9	
~ DYNA-GRO 33X55**	65.5			2.3			36.9	18.9	
~ DELTA KING DK5567	65.0	62.0		2.5	3.1		36.3	18.9	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5	35.6	18.9	
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8		37.8	18.8	
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5	36.7	18.8	
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6		36.7	18.8	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4			38.0	18.7	
NS V98-9005 (low 18:3, high protein)	63.0			2.3			37.6	18.7	
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1	37.6	18.6	
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8	38.0	18.4	
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6		38.3	18.3	
NS S00-1434 (tofu)	55.6			2.9			36.9	18.2	
NS S02-11303 (natto)	59.5			2.6			36.4	18.0	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7		37.0	17.9	
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7			38.7	17.7	
GROUP V AVERAGE	59.0	60.3	61.4	2.5	2.8	2.9	36.7	19.0	
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2			
GRAND MEAN	54.5	60.6	61.6	2.4	2.5	2.4	36.4	19.7	

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

^B Variety protein and oil concentration was determined at the Caldwell Co. location and expressed on the basis of 13% moisture. Novel varieties (NS) protein and oil data are means of all five locations.

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

TABLE 4A. Conventional varieties - subset of the 2005 Summary Table 4

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BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7	
P IA 3023	36.5	49.8		2.3	1.9	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3	
NS IA3006PR (high protein, phytophthora resistance)	30.8			2.5		
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8	
GROUP III AVERAGE	33.7	45.0		2.7	2.4	
LSD (0.10)	2.5	1.9		0.2	0.2	
MID-SEASON (GROUP IV)						
NS S02-7955 (natto)	58.9	59.8		2.0	2.0	
NS S02-1001 (tofu)	57.4			3.4		
NS V97-1346 (high protein)	52.2			1.9		
NS ADLER 435* (high protein, food grade)	51.9			2.3		
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9
NS ADLER 405 (high protein, food grade)	41.3			2.7		
NS IA4003 (large seed, high protein)	39.3			2.6		
GROUP IV AVERAGE	48.6	52.5		2.5	2.5	
LSD (0.10)	2.8	2.8		0.2	0.2	
LATE (GROUP V)						
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9
NS V98-9005 (low 18:3, high protein)	63.0			2.3		
P TEEJAY	62.7	63.6		2.3	2.5	
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2
NS KS1613sp (low linolenic acid)	60.7			2.4		
NS V00-4272 (low 18:3)	59.7			2.7		
NS S02-11303 (natto)	59.5			2.6		
NS S00-1434 (tofu)	55.6			2.9		
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4		
NS KS1642sp (low linolenic acid)	48.4			3.0		
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7	
GROUP V AVERAGE	57.4	59.2	63.1	2.5	2.6	2.8
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	50.1	53.5	57.9	2.5	2.5	2.7

P Entries with a P prefix are public varieties.

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

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

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 4B. Roundup Ready varieties - subset of the 2005 Summary Table 4

BACK TO
SELECTION
KEY

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9
~ ASGROW AG3906*	55.1			2.4		
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4	
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9
~ HELENA BRAND SEED 3975**	51.7			2.4		
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8
~ SOUTHERN STATES RT 3851N**	51.2			2.4		
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1	
~ STINE 3832-4**	50.8			2.6		
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4	
~ DYNA-GRO 3373NRR**	50.4			2.5		
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3		
~ VIGORO V36N5RR**	50.0			2.5		
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2
~ DYNA-GRO 31J39*	49.4			2.7		
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5		
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2	
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2		
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9	
~ GUTWEIN H-3606RR*	48.2			2.5		
~ EXCEL BRAND 8398NRR*	47.3			2.4		
~ DELTA KING DK3967	46.7			2.6		
~ SOUTHERN STATES RT 3951N*	46.5			2.3		
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2	
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4		
~ GREAT LAKES GL 3829 RR**	46.2			2.5		
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1	
~ ASGROW AG3602*	46.1			2.8		
~ HELENA BRAND SEED 3676**	45.6			2.3		
~ GARST SEED 3960RR/N**	44.7			2.2		
GROUP III AVERAGE	49.7	60.4	61.3	2.4	2.1	1.9
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1
MID-SEASON (GROUP IV)						
~ SOUTHERN STATES RT 4451N**	62.7			2.3		
~ SOUTHERN STATES RT 4808N	61.6			2.4		
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9	
~ ASGROW AG4903	61.2			2.2		
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2
~ GARST SEED 4612RR/N	61.1			2.3		
~ VIGORO V49N6RR	61.0			2.8		
~ ASGROW AG4703	60.8			2.1		
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1
~ SOUTHERN STATES RT 4551N	60.5			3.1		
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4
~ ASGROW AG4801*	60.3	64.7		2.2	2.0	

TABLE 4B. Roundup Ready varieties - subset of the 2005 Summary Table 4

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KEY

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ HORNBECK HBK R4724	60.1			2.3		
~ DYNA-GRO 35Z49**	60.0			2.4		
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5		
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5
~ DYNA-GRO 3481NRR**	59.1			2.2		
~ EXCEL BRAND 8493NRR*	59.1			2.5		
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1	
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3		
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8	
~ TRISOY 4858RR(CN)*	58.9			2.4		
~ CROW'S C4442R	58.9			2.1		
~ VIGORO V44N6RR	58.9			2.5		
~ STINE 4532-4**	58.8			2.2		
~ ASGROW AG4503	58.8			2.1		
~ BECK 444NRR**	58.5			2.4		
~ SCHILLINGER SEED 476.RC*	58.3			2.7		
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1
~ SCHILLINGER SEED 495.RC*	58.0			2.7		
~ DYNA-GRO 37A44**	57.9			2.3		
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6	
~ STINE 4842-4**	57.7	63.8		2.7	2.9	
~ SOUTHERN STATES RT 4981N	57.7			2.3		
~ STEYER 4410 RR SCN**	57.6			2.2		
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5		
~ GUTWEIN H-4534RR**	57.5			2.2		
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4
~ DELTA KING DK4667	57.3			2.7		
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6		
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4
~ LG SEEDS 4995NRR	57.1			2.5		
~ GUTWEIN H-4878RR*	56.9			2.6		
~ LG SEEDS 4115NRR	56.9			2.4		
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2	
~ ADLER SEEDS 462RRN*	56.5			2.4		
~ HELENA BRAND SEED 4576**	56.5			2.4		
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7
~ EXCEL BRAND 8499NRR*	56.2			2.5		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5		
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2		
~ ARMOR 47-G7**	56.0			2.3		
~ SOUTHERN STATES RT 4651N	55.9			2.2		

TABLE 4B. Roundup Ready varieties - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ EXCEL BRAND 8430NNRRSTSNNRR*	55.8			2.2		
~ ASGROW AG4404*	55.6			2.4		
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5	
~ PIONEER VARIETY 94M80*	55.3			2.2		
~ BIO GENE BG 4406RN*	55.3			2.4		
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3		
~ SOUTHERN STATES RT 4151N**	55.3			2.4		
~ DELTAGROW 4460RR**	54.9			2.4		
~ CAVERNDALE CF 453 RRn**	54.5			2.5		
~ PIONEER VARIETY 94M50*	54.4			1.9		
~ STINE 4302-4**	54.4			2.4		
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2
~ EXCEL BRAND 8427NRR*	53.8			1.9		
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2		
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2		
~ ARMOR GP-422	53.0			2.7		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6
~ DYNA-GRO 35B40**	52.4			2.5		
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7	
~ DELTA KING DK4566*	52.3			2.3		
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7
~ BIO GENE BG 4206RN*	52.0			2.1		
~ PIONEER VARIETY 94M30*	51.6			2.4		
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2		
~ CAVERNDALE CF 420 RR/STSn**	51.1			2.2		
~ HORNBECK HBK R3824	51.1			2.6		
~ STEYER 4000 RR SCN**	51.0			1.9		
~ GUTWEIN H-4024RR*	50.3			1.8		
~ CROW'S C4142R**	50.2			2.5		
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0		
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3		
GROUP IV AVERAGE	56.4	63.9	63.6	2.3	2.4	2.2
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2
LATE (GROUP V)						
~ DYNA-GRO 33X55**	65.5			2.3		
~ DELTA KING DK5567	65.0	62.0		2.5	3.1	
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5
~ DELTA KING DK5066*	61.3			2.4		
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8	
~ DELTA KING DK5466**	59.7			2.9		
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4

TABLE 4B. Roundup Ready varieties - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
LATE (GROUP V) continued						
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7	
~ HORNBECK H BK R5324**	58.1			2.5		
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7		
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5
GROUP V AVERAGE	60.1	60.8	60.5	2.5	2.9	3.0
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	55.3	62.3	62.3	2.4	2.4	2.3

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 4C. SCN resistant varieties - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9
~ ASGROW AG3906*	55.1			2.4		
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9
~ HELENA BRAND SEED 3975**	51.7			2.4		
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8
~ SOUTHERN STATES RT 3851N**	51.2			2.4		
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1	
~ STINE 3832-4**	50.8			2.6		
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4	
~ DYNA-GRO 3373NRR**	50.4			2.5		
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3		
~ VIGORO V36N5RR**	50.0			2.5		
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2
~ DYNA-GRO 31J39*	49.4			2.7		
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5		
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2		
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9	
~ GUTWEIN H-3606RR*	48.2			2.5		
~ EXCEL BRAND 8398NRR*	47.3			2.4		
~ SOUTHERN STATES RT 3951N*	46.5			2.3		
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4		
~ GREAT LAKES GL 3829 RR**	46.2			2.5		
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1	
~ ASGROW AG3602*	46.1			2.8		
~ HELENA BRAND SEED 3676**	45.6			2.3		
~ GARST SEED 3960RR/N**	44.7			2.2		
GROUP III AVERAGE	49.8	60.2	61.4	2.4	2.1	2.0
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1
MID-SEASON (GROUP IV)						
~ SOUTHERN STATES RT 4451N**	62.7			2.3		
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4
~ ASGROW AG4801*	60.3	64.7		2.2	2.0	
~ DYNA-GRO 35Z49**	60.0			2.4		
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5		
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5
~ DYNA-GRO 3481NRR**	59.1			2.2		
~ EXCEL BRAND 8493NRR*	59.1			2.5		
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3		
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8	
~ TRISOY 4858RR(CN)*	58.9			2.4		

TABLE 4C. SCN resistant varieties - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ STINE 4532-4**	58.8			2.2		
~ BECK 444NRR**	58.5			2.4		
~ SCHILLINGER SEED 476.RC*	58.3			2.7		
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1
~ SCHILLINGER SEED 495.RC*	58.0			2.7		
~ DYNA-GRO 37A44**	57.9			2.3		
~ TRISOY 4838RR(CN)*	57.8	64.7		2.5	2.5	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6	
~ STINE 4842-4**	57.7	63.8		2.7	2.9	
~ STEYER 4410 RR SCN**	57.6			2.2		
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5		
~ GUTWEIN H-4534RR**	57.5			2.2		
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6		
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4
~ GUTWEIN H-4878RR*	56.9			2.6		
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2	
~ ADLER SEEDS 462RRN*	56.5			2.4		
~ HELENA BRAND SEED 4576**	56.5			2.4		
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7
~ EXCEL BRAND 8499NRR*	56.2			2.5		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5		
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2		
~ ARMOR 47-G7**	56.0			2.3		
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2		
~ ASGROW AG4404*	55.6			2.4		
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5	
~ PIONEER VARIETY 94M80*	55.3			2.2		
~ BIO GENE BG 4406RN*	55.3			2.4		
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3		
~ SOUTHERN STATES RT 4151N**	55.3			2.4		
~ DELTAGROW 4460RR**	54.9			2.4		
~ CAVERNDAL CF 453 RRn**	54.5			2.5		
~ PIONEER VARIETY 94M50*	54.4			1.9		
~ STINE 4302-4**	54.4			2.4		
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2
~ EXCEL BRAND 8427NRR*	53.8			1.9		
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2		
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6
~ DYNA-GRO 35B40**	52.4			2.5		
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7	
~ DELTA KING DK4566*	52.3			2.3		
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7
~ BIO GENE BG 4206RN*	52.0			2.1		
NS ADLER 435* (high protein, food grade)	51.9			2.3		
~ PIONEER VARIETY 94M30*	51.6			2.4		
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2		

TABLE 4C. SCN resistant varieties - subset of the 2005 Summary Table 4

[BACK TO SELECTION KEY](#)

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ STEYER 4000 RR SCN**	51.0			1.9		
~ GUTWEIN H-4024RR*	50.3			1.8		
~ CROW'S C4142R**	50.2			2.5		
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0		
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3		
GROUP IV AVERAGE	55.9	63.8	63.5	2.3	2.4	2.2
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2
LATE (GROUP V)						
~ DYNA-GRO 33X55**	65.5			2.3		
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5
~ DELTA KING DK5066*	61.3			2.4		
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8	
~ DELTA KING DK5466**	59.7			2.9		
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7	
~ HORNBECK HBK R5324**	58.1			2.5		
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7		
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5
GROUP V AVERAGE	59.8	60.9	60.9	2.5	2.8	2.8
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	55.0	62.3	62.4	2.4	2.4	2.3

~ Roundup Ready variety

P Entries with a P prefix are public varieties.

* Resistant to the soybean cyst nematode (Race 3)

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

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

TABLE 4D. Conventional varieties with no SCN resistance - subset of the 2005 Summary Table 4
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BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
NS IA3022 (large seed, high protein)	39.5	47.6		3.0	2.7	
P IA 3023	36.5	49.8		2.3	1.9	
NS IA3012LF (lipoxygenase free)	32.8	43.5	45.4	2.7	2.3	2.4
NS IA3008LF (lipoxygenase free)	32.7	41.7		3.3	3.3	
NS IA3006PR (high protein, phytophthora resistance)	30.8			2.5		
NS IA3021 (large seed, high protein)	29.9	42.2		2.2	1.8	
GROUP III AVERAGE	33.7	45.0		2.7	2.4	
LSD (0.10)	2.5	1.9		0.2	0.2	
MID-SEASON (GROUP IV)						
NS S02-7955 (natto)	58.9	59.8		2.0	2.0	
NS S02-1001 (tofu)	57.4			3.4		
NS V97-1346 (high protein)	52.2			1.9		
NS KS4303sp (small seeded variety)	45.7	49.3		2.8	2.5	
NS KS4103sp (high protein variety)	41.7	48.5	49.7	2.4	3.1	2.9
NS ADLER 405 (high protein, food grade)	41.3			2.7		
NS IA4003 (large seed, high protein)	39.3			2.6		
GROUP IV AVERAGE	48.1	52.5		2.5	2.5	
LSD (0.10)	2.8	2.8		0.2	0.2	
LATE (GROUP V)						
UNISOUTH GENETICS USG 5002T	67.3	65.8	65.6	2.3	3.0	3.1
UNISOUTH GENETICS USG 5601T	66.6	68.6	66.5	2.3	2.6	2.8
P HUTCHESON	63.6	60.6	59.5	2.6	2.9	2.9
NS V98-9005 (low 18:3, high protein)	63.0			2.3		
P TEEJAY	62.7	63.6		2.3	2.5	
NS KS1613sp (low linolenic acid)	60.7			2.4		
NS V00-4272 (low 18:3)	59.7			2.7		
NS S02-11303 (natto)	59.5			2.6		
NS S00-1434 (tofu)	55.6			2.9		
NS KS5005sp (large seed, high protein)	54.0	57.2		2.2	2.6	
NS V01-6348 (low saturate, low 18:3)	49.9			2.4		
NS KS1642sp (low linolenic acid)	48.4			3.0		
NS KS5003sp (small seeded variety)	46.7	47.7		2.6	2.4	
NS SOUTHERN STATES TARA (forage)	42.8	49.7		2.6	2.7	
GROUP V AVERAGE	57.2	59.0	63.9	2.5	2.7	2.9
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	49.6	53.0	57.3	2.6	2.6	2.8

P Entries with a P prefix are public varieties.

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

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

**TABLE 4E. Conventional varieties with SCN resistance
subset of the 2005 Summary Table 4**

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KEY](#)

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
MID-SEASON (GROUP IV)						
NS ADLER 435* (high protein, food grade)	51.9			2.3		
LATE (GROUP V)						
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2

P Entries with a P prefix are public varieties.

* Resistant to the soybean cyst nematode (Race 3)

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

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.

TABLE 4F. Roundup Ready varieties with no SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ EBBERTS 1385RR	53.5	63.3		2.4	2.4	
~ NK BRAND S39-Q4	50.4	61.3	60.9	2.5	2.0	1.8
~ GREAT LAKES GL 3710 RR	48.8	61.2		2.5	2.2	
~ DELTA KING DK3967	46.7			2.6		
~ NK BRAND S35-F9	46.3	58.6		2.5	2.2	
GROUP III AVERAGE	49.1	61.1	60.9	2.5	2.2	1.8
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1
MID-SEASON (GROUP IV)						
~ SOUTHERN STATES RT 4808N	61.6			2.4		
~ ASGROW AG4903	61.2			2.2		
~ GARST SEED 4612RR/N	61.1			2.3		
~ VIGORO V49N6RR	61.0			2.8		
~ ASGROW AG4703	60.8			2.1		
~ SOUTHERN STATES RT 4551N	60.5			3.1		
~ HORNBECK HBK R4724	60.1			2.3		
~ GARST SEED 4512RR/N	59.0	66.0		2.1	2.1	
~ CROW'S C4442R	58.9			2.1		
~ VIGORO V44N6RR	58.9			2.5		
~ ASGROW AG4503	58.8			2.1		
~ SOUTHERN STATES RT 4981N	57.7			2.3		
~ DELTA KING DK4667	57.3			2.7		
~ PIONEER VARIETY 94B73	57.2	64.9	64.3	2.6	2.7	2.6
~ LG SEEDS 4995NRR	57.1			2.5		
~ LG SEEDS 4115NRR	56.9			2.4		
~ SOUTHERN STATES RT 4651N	55.9			2.2		
~ ARMOR GP-422	53.0			2.7		
~ SOUTHERN CROSS LEVI 4.4 N, RR	51.4			2.2		
~ HORNBECK HBK R3824	51.1			2.6		
GROUP IV AVERAGE	58.0	65.5		2.4	2.4	
LSD (0.10)	2.8	2.8		0.2	0.2	
LATE (GROUP V)						
~ DELTA KING DK5567	65.0	62.0		2.5	3.1	
~ DELTA KING DK5366	62.3	57.5	57.6	2.8	3.4	3.4
GROUP V AVERAGE	63.7	59.8		2.7	3.3	
LSD (0.10)	2.8	2.7		0.2	0.2	
GRAND MEAN	56.8	61.9	60.9	2.4	2.5	2.6

~ Roundup Ready variety

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

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
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KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9
~ ASGROW AG3906*	55.1			2.4		
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9
~ HELENA BRAND SEED 3975**	51.7			2.4		
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8
~ SOUTHERN STATES RT 3851N**	51.2			2.4		
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1	
~ STINE 3832-4**	50.8			2.6		
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4	
~ DYNA-GRO 3373NRR**	50.4			2.5		
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3		
~ VIGORO V36N5RR**	50.0			2.5		
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2
~ DYNA-GRO 31J39*	49.4			2.7		
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5		
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2		
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9	
~ GUTWEIN H-3606RR*	48.2			2.5		
~ EXCEL BRAND 8398NRR*	47.3			2.4		
~ SOUTHERN STATES RT 3951N*	46.5			2.3		
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4		
~ GREAT LAKES GL 3829 RR**	46.2			2.5		
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1	
~ ASGROW AG3602*	46.1			2.8		
~ HELENA BRAND SEED 3676**	45.6			2.3		
~ GARST SEED 3960RR/N**	44.7			2.2		
GROUP III AVERAGE	49.8	60.2	61.4	2.4	2.1	2.0
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1
MID-SEASON (GROUP IV)						
~ SOUTHERN STATES RT 4451N**	62.7			2.3		
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4
~ ASGROW AG4801*	60.3	64.7		2.2	2.0	
~ DYNA-GRO 35Z49**	60.0			2.4		
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5		
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5
~ DYNA-GRO 3481NRR**	59.1			2.2		
~ EXCEL BRAND 8493NRR*	59.1			2.5		
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3		
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8	
~ TRISOY 4858RR(CN)*	58.9			2.4		

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
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BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ STINE 4532-4**	58.8			2.2		
~ BECK 444NRR**	58.5			2.4		
~ SCHILLINGER SEED 476.RC*	58.3			2.7		
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1
~ SCHILLINGER SEED 495.RC*	58.0			2.7		
~ DYNA-GRO 37A44**	57.9			2.3		
~ TRISOY 483RR(CN)*	57.8	64.7		2.5	2.5	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6	
~ STINE 4842-4**	57.7	63.8		2.7	2.9	
~ STEYER 4410 RR SCN**	57.6			2.2		
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5		
~ GUTWEIN H-4534RR**	57.5			2.2		
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6		
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4
~ GUTWEIN H-4878RR*	56.9			2.6		
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2	
~ ADLER SEEDS 462RRN*	56.5			2.4		
~ HELENA BRAND SEED 4576**	56.5			2.4		
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7
~ EXCEL BRAND 8499NRR*	56.2			2.5		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5		
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2		
~ ARMOR 47-G7**	56.0			2.3		
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2		
~ ASGROW AG4404*	55.6			2.4		
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5	
~ PIONEER VARIETY 94M80*	55.3			2.2		
~ BIO GENE BG 4406RN*	55.3			2.4		
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3		
~ SOUTHERN STATES RT 4151N**	55.3			2.4		
~ DELTAGROW 4460RR**	54.9			2.4		
~ CAVERNDAL CF 453 RRn**	54.5			2.5		
~ PIONEER VARIETY 94M50*	54.4			1.9		
~ STINE 4302-4**	54.4			2.4		
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2
~ EXCEL BRAND 8427NRR*	53.8			1.9		
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2		
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6
~ DYNA-GRO 35B40**	52.4			2.5		
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7	
~ DELTA KING DK4566*	52.3			2.3		
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7
~ BIO GENE BG 4206RN*	52.0			2.1		
~ PIONEER VARIETY 94M30*	51.6			2.4		
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2		
~ STEYER 4000 RR SCN**	51.0			1.9		

TABLE 4G. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
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BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ GUTWEIN H-4024RR*	50.3			1.8		
~ CROW'S C4142R**	50.2			2.5		
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0		
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3		
GROUP IV AVERAGE	56.0	63.8	63.5	2.3	2.4	2.2
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2
LATE (GROUP V)						
~ DYNA-GRO 33X55**	65.5			2.3		
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5
~ DELTA KING DK5066*	61.3			2.4		
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8	
~ DELTA KING DK5466**	59.7			2.9		
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7	
~ HORNBECK HBK R5324**	58.1			2.5		
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7		
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5
GROUP V AVERAGE	59.7	61.0	61.0	2.5	2.8	3.0
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	55.0	63.4	62.5	2.4	2.5	2.3

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

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

**TABLE 4H. Conventional varieties with SCN resistance
subset of the 2005 Summary Table 4**

[BACK TO
SELECTION
KEY](#)

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
MID-SEASON (GROUP IV)						
NS ADLER 435* (high protein, food grade)	51.9			2.3		
LATE (GROUP V)						
P ANAND**	60.7	60.0	60.9	1.9	2.0	2.2

P Entries with a P prefix are public varieties.

* Resistant to the soybean cyst nematode (Race 3)

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

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.

TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
EARLY (GROUP III)						
~ ASGROW AG3905*	56.0	63.0	61.9	2.1	2.0	1.9
~ ASGROW AG3906*	55.1			2.4		
~ UNISOUTH GENETICS USG 7393nRR**	54.3			2.6		
~ SOUTHERN CROSS STEPHEN 3.8 N, RR*	54.1	62.1	62.1	2.6	2.2	2.1
~ PIONEER VARIETY 93M90*	52.1	62.1	62.5	1.9	1.9	1.8
~ DELTA KING DK3968*	51.7	61.0	61.3	2.4	2.1	1.9
~ HELENA BRAND SEED 3975**	51.7			2.4		
~ GUTWEIN H-3945RR**	51.5	60.0	60.5	2.3	1.9	1.8
~ SOUTHERN STATES RT 3851N**	51.2			2.4		
~ VIGORO V38N5RS**	51.0	61.3		2.4	1.9	
~ VIGORO V39N4RR**	50.9	60.1		2.5	2.1	
~ STINE 3832-4**	50.8			2.6		
~ DELTA AND PINE LAND DP 3861 RR*	50.4	59.3		2.4	2.2	
~ EBBERTS 1365RR**	50.4	62.3		2.5	2.4	
~ DYNA-GRO 3373NRR**	50.4			2.5		
~ SEED CONSULTANTS SC 9396 RR**	50.1			2.3		
~ VIGORO V36N5RR**	50.0			2.5		
~ DYNA-GRO 33A37**	49.9	57.8		2.4	2.1	
~ NK BRAND S37-N4**	49.8	59.3	59.8	2.5	2.5	2.2
~ DYNA-GRO 31J39*	49.4			2.7		
~ SEED CONSULTANTS SC 9386A RR*	49.3			2.5		
~ CROPLAN GENETICS RC3624 RR**	48.8			2.2		
~ DEKALB DKB36-52*	48.3	57.9		2.1	1.9	
~ GUTWEIN H-3606RR*	48.2			2.5		
~ EXCEL BRAND 8398NRR*	47.3			2.4		
~ SOUTHERN STATES RT 3951N*	46.5			2.3		
~ CROPLAN GENETICS RC3935 RR**	46.3			2.4		
~ GREAT LAKES GL 3829 RR**	46.2			2.5		
~ PIONEER VARIETY 93M50*	46.1	56.4		2.5	2.1	
~ ASGROW AG3602*	46.1			2.8		
~ HELENA BRAND SEED 3676**	45.6			2.3		
~ GARST SEED 3960RR/N**	44.7			2.2		
GROUP III AVERAGE	49.8	60.2	61.4	2.4	2.1	2.0
LSD (0.10)	2.5	1.9	1.7	0.2	0.2	0.1
MID-SEASON (GROUP IV)						
~ SOUTHERN STATES RT 4451N**	62.7			2.3		
~ VIGORO V48N5RR*	61.2	66.2		2.8	2.9	
~ STEYER 4700 RR SCN**	61.1	67.4	65.1	2.2	2.1	2.2
~ DYNA-GRO 3443NRR**	60.6	66.1	65.5	2.2	2.2	2.1
~ NK BRAND S49-Q9**	60.4	64.4	64.0	2.2	2.4	2.4
~ ASGROW AG4801*	60.3	64.7		2.2	2.0	
~ DYNA-GRO 35Z49**	60.0			2.4		
~ HELENA BRAND SEED 4875**	59.8	65.8		2.7	3.1	
~ UNISOUTH GENETICS USG 7484nRR**	59.7	66.2		2.6	3.0	
~ DELTA KING DK4763*	59.6	65.7	66.2	2.3	2.6	2.4
~ SOUTHERN CROSS DAN 4.8 N, RR**	59.4			2.5		
~ DELTA KING DK4967*	59.1	65.8	66.7	2.3	2.4	2.5
~ DYNA-GRO 3481NRR**	59.1			2.2		
~ EXCEL BRAND 8493NRR*	59.1			2.5		
~ DELTA AND PINE LAND DP 4724 RR*	59.0			2.3		
~ UNISOUTH GENETICS USG 7494nRR**	58.9	67.0		2.5	2.8	
~ TRISOY 4858RR(CN)*	58.9			2.4		

TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

**BACK TO
SELECTION
KEY**

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ STINE 4532-4**	58.8			2.2		
~ BECK 444NRR**	58.5			2.4		
~ SCHILLINGER SEED 476.RC*	58.3			2.7		
~ DELTAGROW 4840 RR**	58.1	64.3		2.6	2.9	
~ ASGROW AG4403*	58.0	65.0	63.4	2.2	2.2	2.1
~ SCHILLINGER SEED 495.RC*	58.0			2.7		
~ DYNA-GRO 37A44**	57.9			2.3		
~ TRISOY 483RR(CN)*	57.8	64.7		2.5	2.5	
~ DELTA KING DK4866*	57.8	66.4		2.4	2.6	
~ STINE 4842-4**	57.7	63.8		2.7	2.9	
~ STEYER 4410 RR SCN**	57.6			2.2		
~ DELTA KING DK4461*	57.6	67.3	66.9	2.1	2.2	2.2
~ DELTA AND PINE LAND DP 4331 RR*	57.5	65.9		2.3	2.3	
~ CROPLAN GENETICS RC4455 RR**	57.5			2.5		
~ GUTWEIN H-4534RR**	57.5			2.2		
~ CROW'S C4815R**	57.4	63.9	64.0	2.3	2.5	2.4
~ CROPLAN GENETICS RC4955 RR*	57.3			2.6		
~ DEKALB DKB46-51**	57.1	64.2	63.8	2.3	2.5	2.4
~ GUTWEIN H-4878RR*	56.9			2.6		
~ EXCEL BRAND 8448NRR*	56.7	63.6	63.8	1.9	1.7	1.7
~ SOUTHERN STATES RT 4440N**	56.6	57.4		2.2	2.3	
~ HELENA BRAND SEED 4375**	56.5	67.8		2.3	2.2	
~ ADLER SEEDS 462RRN*	56.5			2.4		
~ HELENA BRAND SEED 4576**	56.5			2.4		
~ PIONEER VARIETY 94M70*	56.4	65.5	65.4	2.7	2.9	2.7
~ EXCEL BRAND 8499NRR*	56.2			2.5		
~ SOUTHERN CROSS MOAB 4.5 N, RR**	56.1			2.5		
~ UNISOUTH GENETICS USG 7499nRR**	56.0	61.3		2.5	2.6	
~ SOUTHERN CROSS RUEBEN 4.8 N, RR**	56.0			2.2		
~ ARMOR 47-G7**	56.0			2.3		
~ EXCEL BRAND 8430NNRRSTSNRR*	55.8			2.2		
~ ASGROW AG4404*	55.6			2.4		
~ CROPLAN GENETICS RC4842 RR**	55.3	62.7		2.4	2.5	
~ PIONEER VARIETY 94M80*	55.3			2.2		
~ BIO GENE BG 4406RN*	55.3			2.4		
~ SEED CONSULTANTS SC 9456 RR**	55.3			2.3		
~ SOUTHERN STATES RT 4151N**	55.3			2.4		
~ DELTAGROW 4460RR**	54.9			2.4		
~ CAVERNDAL CF 453 RRn**	54.5			2.5		
~ PIONEER VARIETY 94M50*	54.4			1.9		
~ STINE 4302-4**	54.4			2.4		
~ NK BRAND S43-B1**	54.3	61.7	62.4	2.3	2.3	2.2
~ EXCEL BRAND 8427NRR*	53.8			1.9		
~ CROPLAN GENETICS RC4655 RR*	53.5			2.2		
~ SEED CONSULTANTS SC 9436 RR*	53.0			2.2		
~ SOUTHERN CROSS MICHAEL 4.2 N, RR**	52.9	63.1	64.0	2.0	1.8	1.6
~ DYNA-GRO 35B40**	52.4			2.5		
~ SEED CONSULTANTS SC 9415 RR**	52.3	62.0		2.1	1.7	
~ DELTA KING DK4566*	52.3			2.3		
~ VIGORO V42N3RR**	52.0	64.8	65.3	2.1	1.9	1.7
~ BIO GENE BG 4206RN*	52.0			2.1		
~ PIONEER VARIETY 94M30*	51.6			2.4		
~ CAVERNDAL CF 420 RR/STSn**	51.1			2.2		
~ STEYER 4000 RR SCN**	51.0			1.9		

TABLE 4I. Roundup Ready varieties with SCN resistance - subset of the 2005 Summary Table 4

[BACK TO SELECTION KEY](#)

BRAND -- VARIETY	YIELD (BU/AC) ^A			LODGING		
	2005	04-05	03-05	2005	04-05	03-05
MID-SEASON (GROUP IV) continued						
~ GUTWEIN H-4024RR*	50.3			1.8		
~ CROW'S C4142R**	50.2			2.5		
~ SOUTHERN STATES RT 4230N**	49.9	59.1	61.3	2.5	2.5	2.4
~ SOUTHERN CROSS ABRAHAM 4.0 N, RR**	49.6			2.0		
~ PIONEER VARIETY 94B13*	48.5	58.6	60.2	2.1	2.2	2.2
~ SOUTHERN STATES RT 4502N**	48.0	56.5	56.8	2.1	2.4	2.3
~ SEED CONSULTANTS SC 9406 RR*	46.9			2.3		
GROUP IV AVERAGE	56.0	63.8	63.5	2.3	2.4	2.2
LSD (0.10)	2.8	2.8	2.1	0.2	0.2	0.2
LATE (GROUP V)						
~ DYNA-GRO 33X55**	65.5			2.3		
~ DYNA-GRO 33B52**	63.9	61.9	61.7	2.6	3.3	3.4
~ DELTA KING DK55T6**	61.9	57.6		2.8	3.1	
~ UNISOUTH GENETICS USG 510nRR**	61.4	62.3	62.5	2.2	2.5	2.5
~ DELTA KING DK5066*	61.3			2.4		
~ SOUTHERN CROSS ABNER 5.2 N, RR**	60.1	60.1	60.7	2.6	3.0	3.1
~ HORNBECK HBK R4924**	60.0	65.3		2.3	2.6	
~ EXCEL BRAND 8509NRR*	59.7	61.4		2.6	2.8	
~ DELTA KING DK5466**	59.7			2.9		
~ SOUTHERN STATES RT 5130N**	59.5	58.0		2.5	2.8	
~ DELTA KING DK5161**	59.4	59.7	60.3	2.9	3.4	3.4
~ VIGORO V50N5RR**	59.3	63.9		2.4	2.7	
~ SOUTHERN STATES RT 5540N**	58.9	60.4		2.5	2.7	
~ VIGORO V55N5RR**	58.3	59.5		2.4	2.7	
~ HORNBECK HBK R5324**	58.1			2.5		
~ GUTWEIN H-5053RR**	57.8	65.3		2.5	2.6	
~ STINE 5142-4**	57.1	62.3	63.3	2.5	2.7	2.8
~ DELTA AND PINELAND DP 5414 RR*	56.9			2.7		
~ SOUTHERN STATES RT 5302N**	56.0	56.1	57.2	2.3	2.4	2.5
GROUP V AVERAGE	59.7	61.0	61.0	2.5	2.8	3.0
LSD (0.10)	2.8	2.7	2.0	0.2	0.2	0.2
GRAND MEAN	55.0	63.4	62.5	2.4	2.5	2.3

~ Roundup Ready variety

* Resistant to the soybean cyst nematode (Race 3)

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

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

Memorandum

Date: November, 2005

TO: Soybean Seed Producers

FROM: Eugene Lacefield, Research Specialist

SUBJECT: 2006 Kentucky Soybean Performance Tests

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

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

This year's publication web site is <http://www.uky.edu/Ag/GrainCrops/varietytesting.htm> Pages 1–28 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 a selection key that will sort the summary table by basic questions a soybean producer might ask (description on page 4 of the publication), this cover memo, a nomination form, and instructions for entering soybean varieties in the 2006 tests. The publication web site which was activated December 1, 1999, was accessed over 2,500 times through November 2000 (2000 publication), more than 4,000 times for the 2001 pub., over 7,000 times for the 2002 pub., about 13,000 times for the 2003 pub. and over 14,000 times for the 2004 pub..

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 Agronomy
University of Kentucky
N-222C Ag. Science Center North
Lexington, KY 40546-0991
Tel: 859-257-2993
Fax: 859-323-1952
E-mail elace0@uky.edu

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 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 but the data will not be published. The experimental data will be given to the nominating company after the state publication is finished and 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).
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 180 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 140 test slots for private entries.
2. Organizations will nominate entries. List the entries on the nomination form in order of priority with the highest priority first and the lowest priority last. Experimental entries will have the lowest priority and should have a “EXP” prefix – example: EXP AJAX BRAND ZTQ 445RR.
3. Nominations of equal priority from each organization will be entered in the test until all test slots are filled. If more eligible nominations are received than the size limit of the test, a random drawing of equal priority nominations may be used to select the entries to fill the test slots. In the past all nominations have been accepted except experimental and novel soybeans.
4. Standard public varieties and new publicly released varieties will be entered by the Kentucky Agricultural Experiment Station.
5. To assure that the needs of agriculture in the state of Kentucky are met, the Kentucky Agricultural Experiment Station may revise the list of entries to compensate for obvious deficiencies of varieties of soybeans being grown by farmers in Kentucky.

Important dates

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

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

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

Testing methods

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

Six row plots will be 20 feet long with a row spacing of 16 inches. All entries will be planted at a seeding rate of 5-6 viable seeds per foot of row unless specific requests are attached to the nominating form. Correction for germination will be made provided the percent germination is listed on the nomination form. If no germination percentage is listed, it will be assumed to be 100%.

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, etc.) may be taken if warranted.

For detailed information see the University of Kentucky progress report 519, "Kentucky Soybean Performance Tests - 2005".

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.

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PAGE 1

**RESET ENTRIES
RESET FORM**

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

**RETURN TO
LIST OF TABLES**

Marketing Outlet in Kentucky

Organization name _____
 Nominators name _____
 Address _____

 Phone _____
 Email _____

Name _____
 Address _____

 Phone _____

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

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

Entry: <u>type</u> name exactly as it will appear in the publication	New this year ¹	Maturity Group example 4.7	Roundup Ready	Percent Germ ²	Race (s) of Soybean Cyst Nematode Resistance	Check the appropriate race & resistance ³							
						Phytophthora sojae				Sudden Death Syndrome	Sybean Mosaic Virus	Stem Canker	Other
						Resistance	Gene Rps	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			

¹ Check if the entry was not in the KY test in 2005. If entry was in last years test as an experimental or the name has been changed please add a note to this effect.

² If not specified, 100% will be assumed.

³ 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 _____