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Agricultural Research Service

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2001 - 2002

UNIFORM SOUTHERN SOFT RED WINTER WHEAT NURSERY

Report

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This is a joint progress report of cooperative investigations underway in the State Agricultural Experiment Stations and the Agricultural Research Service of the U.S. Department of Agriculture containing preliminary data which have not been sufficiently confirmed to justify general release; interpretations may be modified with additional experimentation. Confirmed results will be published through established channels. The report is primarily a tool for the use of the cooperators and their official staff and those persons having direct and special interest in the development of agricultural research programs.

This report includes data furnished by the State Agricultural Experiment Stations. The report is not intended for publication and should not be referred to in literature citations nor quoted in publicity or advertising. Use of the data may be granted for certain purposes upon written request to the agency or agencies involved.

USDA-ARS
National Small Grains Germplasm Research Facility
1691 S. 2700 W.
Aberdeen, ID 83210
November, 2002

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2001-2002 UNIFORM SOUTHERN SOFT RED WINTER WHEAT NURSERY

LIST OF ENTRIES AND PEDIGREES

Entry No.	Cultivar/ Designation	Pedigree	Contributor	1st Year in Nurs
1	Coker 9663	IN71761A4-31-5-48/FL 302	Check	97-98
2	AGS 2000	Pio.2555/PF84301//FL 302 (formerly GA89482E7)	Check	97-98
3	USG 3209	Saluda/4/Massey*2/3/Massey*3/Balkan//Saluda (formerly VA94-54-479)	Check	95-96
4	Pioneer 26R61	Omega78/S76/4/Arthur71/3/Stadler//Redcoat/Wisc1/5/Coker747 /6/2555sib (formerly XW663)	Check	97-98
5	VA 98W-593	IN71761A4-31-5-48//VA7154-147/McNair1813/AL870365(C747*2/Amigo)	Griffey	99-00
6	AR 839-25-8-2	Terral 101/Pioneer 2580	Bacon	00-01
7	AR-LA 85411	FR81-19/Saluda	Bacon/Harrison	00-01
8	TX 98D2106	Caldwell/FL302//Coker 797	Marshall	00-01
9	G/F 92485E15	GA831276 (Saluda/FL74265)/GA861278 (Gore/FL302)	Johnson	00-01
10	VA 98W-591	VA92-51-39 (IN71761A4-31-5-48//VA7154-147/McNair1813)/ AL870365 (Coker747*2/Amigo)	Griffey	00-01
11	VA 99W-200	VA91-54-343 (IN71761A4-31-5-48//VA7154-147//McNair 1813)/ VA91-54-222 (Roane "S")	Griffey	00-01
12	TX 97-167	Adder//TX84U4408/Pavon 76	Nelson	00-01
13	SC 952746	VA71-54-147/Co68-15//EA9/3/MD55220/EA9//Seneca	Graham	00-01
14	SC 960057	VA66-54-6/VA55-54-19//Co?/3/H14H15/4/Andy	Graham	00-01
15	MDV 71-19	Ck983//GA-Andy/VA90-21-20	Costa	00-01
16	G 09139	Sawyer/T812//C86-33	Brown	01-02
17	G 96330	L900819//C916/T812	Brown	01-02
18	G 97066	C916/T812	Brown	01-02
19	TX 98D2577	Adder//TX84U4408/Pavon76	Marshall	01-02
20	TX 99D4709	TX87U7121/TX89D6452	Marshall	01-02
21	AW D98*9762	AWSW85*5377/Pio.2555	Fogleman	01-02
22	AW D98*9770	AW89D-4776/Pio.2555	Fogleman	01-02
23	AW D98*9764	AWSW85*5377/Pio.2555	Fogleman	01-02
24	AW D98-9213	Ck9134/Pio.2555	Fogleman	01-02
25	G/F 931241E16	Ck9134/881502	Johnson	01-02
26	G/F 931463E27	87583/87467	Johnson	01-02
27	G/F 93052E42	841266/881404//831378	Johnson	01-02
28	F/G 931470E62	83484/87467	Barnett	01-02
29	F/G 931587E53	84386/87467	Barnett	01-02
30	F/G 931233E17	Gore*2/83267	Barnett	01-02
31	B 961416	PS840061/Saluda//Coker9803	Hancock	01-02
32	B 970205	Coker9835/IL84-3010	Hancock	01-02
33	B 971155	CBL18*2//Auburn*2/Parker (CBL18=Ck68-15*5/Russia76)	Hancock	01-02
34	LA 94242-D4-2	VA92-54-104/FL85238-C3-AB3 (Morey sib)	Harrison	01-02
35	LA 9397D5-2-2	FFR502W/8576A53-2-1 (Ck762/IN791907A7-3)	Harrison	01-02
36	LA 9354D9-3-1	T63/8512A8//Ck762/IN79197A7-3	Harrison	01-02
37	TN X-01-1	Coker747/ABI90-8369-718	West	01-02
38	AR 910-9-1	AR369-4-2/Bayles	Bacon	01-02
39	NC 98-26143	Saluda/GA801468//C9904	Murphy	01-02
40	NC 98-26192	P81401A1-4-2-1/Saluda/3/P2555/C9907//MV14/Wakefield	Murphy	01-02

LOCATION NOTES

Belle Mina, Alabama

Cooperators: Kathryn M. Glass
Auburn University
Planted: October 30, 2001
Harvested: June 17, 2002
Fertilizer: 80 N

Bay, Arkansas

Cooperators: June Hancock, Craig Allen, David Hill
Syngenta Seeds
Planted: October 9, 2001
Harvested: June 18, 2002
Comments: Plots received 6 inches of rain on October 10. Stands were very erratic. Generally wet conditions all through season. April 30 hail storm hit plots with golf ball size stones with considerable damage to heads and stems.

DeWitt, Arkansas

Cooperators: Barton Fogleman, Michael Montgomery, Chris DeArmond
AgriPro Wheat
Planted: October 29, 2001
Harvested: June 5, 2002
Comments: Septoria tritici and S. nodorum were present on lower leaves of many lines, but was not quantified. No fungicide was applied.

Keiser, Arkansas

Cooperators: Robert Bacon, John Kelly
University of Arkansas
Planted: October 24, 2001
Harvested: June 24, 2002
Fertilizer: 175 N
Comments: Very wet year lowered yields.

Fayetteville, Kibler, Clay County Jackson County, Arkansas

Cooperators: Gene Milus
University of Arkansas
Comments: Freeze damage at Fayetteville was rated 0-2 with 0=no damage. Kibler location with inoculated with leaf rust TNRL. Green leaves rating at Kibler was Septoria tritici blotch as the principal leaf disease, but also some stripe

rust, leaf rust, and BYD. Fayetteville location was inoculated with stripe rust from year 2000 field collection. Spindle streak at Clay County rated 0-9 with 0=no symptoms and 3 or higher were susceptible. Soilborne and spindle streak at Jackson County were rated 0-9 with 0=no symptoms and 5 or higher were susceptible.

Sussex County, Delaware

Cooperators: Bob Uniatowski
University of Delaware
Planted: October 13, 2001
Harvested: June 20, 2002
Fertilizer: 120-0-60
Comments: The following entries had some degree of freeze injury: 1, 2, 3, 4, 7, 9, 10, 11, 12, 13, 14, 20, 22, 23, 25, 26, 27, 28, 29, 30, 34, 35, 38.

Marianna, Florida

Cooperators: Ronald D. Barnett, Lloyd Schell
University of Florida
Planted: December 7, 2001
Harvested: May 27, 2002
Fertilizer: 75-50-75
Comments: Very poor growing season, too warm in January and February, some freeze damage in March after jointing, too hot in April, plants died before maturity from diseases, rain, and high temperatures.

Quincy, Florida

Cooperators: Ronald D. Barnett, Lloyd Schell
University of Florida
Planted: November 15, 2001
Harvested: May 21, 2002
Fertilizer: 75-50-75
Comments: Very poor growing season, too warm in January and February, some freeze damage in March after jointing, too hot in April, plants died before maturity from diseases, rain, and high temperatures.

Griffin, Georgia

Cooperators: Jerry Johnson, Barry Cunfer, Dan Bland
University of Georgia
Planted: October 30, 2001
Harvested: May 29, 2002
Fertilizer: 25-50-75, 70 N topdress

Plains, Georgia

Cooperators: Jerry Johnson, Barry Cunfer, Dan Bland
University of Georgia
Planted: November 13, 2001
Harvested: May 16, 2002
Fertilizer: 9-54-27, 70 N topdress

Aberdeen, Idaho

Cooperators: Charles Erickson, Scott McNeil, Harold Bockelman
USDA-ARS, National Small Grains Collection
Planted: September 20, 2001
Harvested: August 1, 2002
Fertilizer: 30 N

Delphi, Indiana

Cooperators: Sam Brown
Genesis Seed Research
Planted: October 30, 2001
Harvested: July 15, 2002
Fertilizer: 100 N spring
Comments: Late planting, wet October, but good stand establishment. These were observation plots, seeded at 90#/acre. Very mild winter, cool spring, ample moisture supplies, limited BYDV pressure here. Leaf rust notes that show resistance may have been escapes as they may have matured early as it became hot and very dry.

**Ft. Branch,
Lafayette, Indiana**

Cooperators: Benjamin Moreno-Sevilla
Western Plant Breeders
Planted: October 8, 2001
Harvested: June 19, 2002
Fertilizer: Manure fall application, 80 N spring
Comments: BYD and Rhizoctonia scores are on a scale of 1-5 with 1=best. Rhizoctonia was scored on a single observation plot at Lafayette. Test weight was taken directly in the combine weighing system and should be treated as an estimate since no grain was saved.

Greensburg, Indiana

Cooperators: Sam Brown
Genesis Seed Research
Planted: October 2, 2001
Harvested: June 30, 2002
Fertilizer: 92 N spring

Comments: Fair stand establishment due to rains after planting. Mild winter possibly having BYD infection in the fall. Very wet cool spring, again with BYD pressure, spring freeze damage and topped with head scab. Plots were a mess. Not enough seed for test weight.

Romney, Indiana

Cooperators: Gordon Cisar
Cargill-Goertzen Seed Research
Planted: September 28, 2001
Harvested: July 8, 2002
Comments: Very little winter injury. Considerable BYD (average of 3 reps). Leaf blight appeared to be a complex of Septoria tritici and tan spot – recorded as an average of an early reading (GS 10.4) on 2 reps and a late reading (~GS 10.8) on the same 2 reps.

West Lafayette, Indiana

Cooperators: Roger Ratcliffe, Sue Cambron
USDA-ARS Crop Production & Pest Control Research
Comments: Provided Hessian fly data.

Manhattan, Kansas

Cooperators: Allan Fritz
Kansas State University
Comments: Nursery was not harvested. A 90 to 3 temperature swing in March caused significant damage to the early starters.

Parsons, Kansas

Cooperators: Allan Fritz
Kansas State University
Comments: Not a great nursery as we had spotty stands in the fall, a ton of BYDV, and too much rain during harvest. Results reported are from analysis by nearest neighbors.

Winfield, Kansas

Cooperators: Sid Perry
Cargill-Goertzen Seed Research
Planted: September 25, 2002
Harvested: June 17, 2002

Lexington, Kentucky

Cooperators: David Van Sanford
University of Kentucky
Comments: Location was besieged by BYDV and severe freeze damage, so the nursery was not harvested.

Logan County, Kentucky

Cooperators: David Van Sanford
University of Kentucky
Planted: October 29, 2001
Harvested: June 20, 2002
Fertilizer: 110 N in split application, P & K acc. to soil test
Comments: An up and down year in Kentucky. Lots of moisture early and some scab, though much less than was anticipated. Good test weights and acceptable yields were recorded throughout most of western Kentucky.

Baton Rouge, Louisiana

Cooperators: Steve Harrison
Louisiana State University
Planted: December 1, 2001
Harvested: May
Fertilizer: 0-40-40 pre, 90-0-0 top
Comments: Wet March and early April, but very dry after mid-April. Late entries forced to mature early. Uniformity: 0=complete; 9=very ragged, due to segregation for vernalization requirement, earliness, seed mixes, etc. The winter was very warm and early offtypes were frequent. Growth stage rated February 28 just prior to freeze: 1=completely prostrate, 3=upright (Feekes 4-5), 4=one node, 5=two nodes, 7=late flag, 9=fully headed. The test was planted about 3 weeks late due to drought in November. Delayed planting minimized freeze damage. A few of earliest lines sustained some freeze damage, but this was not evident until grain fill. Phenotype: 0=excellent, 9=poor.

Queenstown, Maryland

Cooperators: Jose Costa, Aaron Cooper
University of Maryland
Planted: October 10, 2001
Harvested: June 19, 2002
Fertilizer: 110 N
Comments: Very warm fall, winter, and spring. Heavy mildew. Warm temps in April/May brought on an early harvest.

St. Paul, Minnesota

Cooperators: Dave Long, Don McVey
USDA-ARS Cereal Disease Laboratory
Comments: Seedling and adult plant reaction to leaf rust and stem rust.

Portageville, Missouri

Cooperators: Anne L. McKendry, David N. Tague
University of Missouri
Planted: October 30, 2001
Harvested: June 18, 2002
Fertilizer: 120 N, 40 in fall
Comments: Warm fall, wet winter, all-time low temperatures in March, burnback not severe and fairly uniform in these materials, wet spring, dry about physiological maturity, grain relatively free from weathering.

Cleveland, Mississippi

Cooperators: Barton Fogleman, Michael Montgomery, Chris DeArmond
AgriPro Wheat
Planted: October 30, 2002
Harvested: June 3, 2002
Comments: Fungicide was applied at the first sign of stripe rust invasion.

Raymond, Mississippi

Cooperators: Bernie White
Mississippi State University

Lincoln, Nebraska

Cooperators: Robert A. Graybosch
USDA-ARS Wheat, Sorghum, and Forage Research Unit
Comments: Provided the IRS data.

Kinston, North Carolina

Cooperators: Paul Murphy
North Carolina State University
Planted: October 22, 2001
Harvested: May 24, 2002
Fertilizer: 140 N
Comments: Very warm fall and winter. Very heavy mildew. Heading Date: FD indicates freeze damage at heading. High temps in April/May brought on an early harvest.

Raleigh, North Carolina

Cooperators: Lynda Whitcher, David Marshall
USDA-ARS Plant Science Research Unit
Comments: Powdery mildew evaluations were completed on detached primary leaves from ten day old plants. Leaves were cut into 3 cm sections and suspended on 0.5 % water agar amended with 50 ppm benzimidazole. Leaf sections were uniformly inoculated with conidia of *Blumeria graminis* f.

sp. tritici (=Erysiphe graminis f. sp. tritici). The leaf sections were evaluated eight and ten days after inoculation on a ten point scale. The data from two replications and two rating dates were combined and condensed into one of three categories: Resistant (R), Intermediate (I), or Susceptible (S).

Wooster, Ohio

Cooperators: Clay Sneller
Ohio State University, OARDC
Comments: Mild winter and mild disease pressure.

Wooster, Ohio

Cooperators: Charles Gaines
USDA-ARS Soft Wheat Quality Lab
Comments: Quality data.

Enid, Oklahoma

Cooperators: Brett Carver
Oklahoma State University
Comments: Plots were lost to severe drought and then blow-out.

Florence, South Carolina

Cooperators: Doyce Graham
Clemson University
Planted: November 25, 2001
Harvested: May 23, 2002
Fertilizer: 50 N, 30-0-76
Comments: Powdery mildew is % coverage in plot for most severe rep.

Knoxville, Tennessee

Cooperators: Dennis West
University of Tennessee
Planted: October 17, 2001
Harvested: June 17, 2002
Fertilizer: 60-45-45
Comments: Dry for six weeks after planting resulting in poor stands. Estimate of stand percent (% ground cover) on April 12, tillering was not adequate to compensate for stand differences in plots with low stands. Late freeze and disease further reduced yields.

Ellis County, Texas

Cooperators: Russell Sutton
Texas A&M University

Prosper, Texas

Cooperators: Russell Sutton
Texas A&M University

Blacksburg, Virginia

Cooperators: Carl A. Griffey, T. Pridgen, W. Rohrer
Virginia Tech
Planted: October 11, 2001
Harvested: July 6, 2002
Fertilizer: 25-80-100 on Oct. 1, 85-0-0 on Apr. 5
Comments: One-replicate observation. All 0-9 ratings indicate relative severity where 0=none and 9=total. Belgian lodging scale= area x intensity x 0.2. Area is rated on a scale from 1 (plot unaffected) to 10 (entire plot affected). Intensity is rated on a scale from 1 (plants standing upright) to 5 (plants lying flat on the ground).

Warsaw, Virginia

Cooperators: Carl A. Griffey
Virginia Tech
Planted: October 17, 2001
Harvested: June 19, 2002
Fertilizer: 30-80-80-5 on Oct. 11, 55# 24-0-0-3 on Feb. 6
Comments: Early plant height serves as an indicator for spring growth type. Lines with noticeable freeze damage in at least one of the three reps have an asterisk (*), lines with severe freeze damage in no more than one of the three reps have double asterisks (**), lines with severe freeze damage in two or more of the three reps have triple asterisks (***). Belgian lodging scale= area x intensity x 0.2. Area is rated on a scale from 1 (plot unaffected) to 10 (entire plot affected). Intensity is rated on a scale from 1 (plants standing upright) to 5 (plants lying flat on the ground). BYDV was rated on a scale from 0=no infection to 5=severe infection taking into consideration both leaf/plant discoloration and stunting of growth.

Pullman, Washington

Cooperators: Kim Campbell, Xianming Chen
USDA-ARS, Wheat Genetics, Quality, Physiology & Disease
Comments: Adult stripe rust reactions recorded on July 5 at the soft dough to maturing stages. Due to dry spots and poor growth in part of plots some zero readings are not reliable and therefore, excluded from the overall readings.

YIELD (bu/acre)

	Belle Mina	Bay	DeWitt	Keiser	Sussex Co.	Marianna	Quincy
	AL	AR	AR	AR	DE	FL	FL
	#	#	#@	#	#@	#	#
	rank	rank	rank	rank	rank	rank	rank
1 Coker 9663	60.0	25.2	56.7	54.5	77.4	42.7	35.3
2 AGS 2000	51.5	38.3	71.0	64.7	79.1	39.6	35.8
3 USG 3209	55.9	41.2	57.6	65.9	85.7	51.3	39.7
4 Pioneer 26R61	50.0	35.0	72.6	61.0	62.8	40.3	44.7
5 VA 98W-593	55.8	46.0	65.2	55.2	96.6	30.0	33.6
6 AR 839-25-8-2	55.5	42.3	69.6	55.3	70.6	35.2	36
7 AR-LA 85411	53.1	31.0	67.4	49.8	77.5	40.8	38.1
8 TX 98D2106	50.2	42.1	58.1	45.9	70.9	23.9	27.6
9 G/F 92485E15	50.0	32.2	66.7	56.9	67.1	38.2	40
10 VA 98W-591	49.6	45.8	70.0	56.5	86.7	32.2	31.2
11 VA 99W-200	59.1	33.3	62.7	59.2	69.0	42.5	34
12 TX 97-167	52.1	39.4	61.2	55.5	71.9	35.7	31.7
13 SC 952746	47.9	30.8	66.4	54.2	74.1	32.7	33.7
14 SC 960057	55.3	35.2	67.1	49.0	87.3	29.1	28.5
15 MDV 71-19	50.0	38.6	37.7	51.0	98.7	17.4	29.1
16 G 09139	55.6	35.8	52.2	50.2	78.2	27.6	32
17 G 96330	54.7	37.5	67.1	54.3	84.1	24.2	26.2
18 G 97066	50.4	35.3	56.9	45.3	77.2	28.1	30.2
19 TX 98D2577	42.3	30.8	44.3	45.4	73.7	29.5	27.4
20 TX 99D4709	33.9	34.2	45.2	40.2	39.8	17.6	18.1
21 AW D98*9762	48.5	40.4	76.5	59.7	62.7	39.4	35.2
22 AW D98*9770	56.8	33.7	74.1	63.9	65.1	46.1	44.6
23 AW D98*9764	56.8	48.3	71.1	59.1	71.5	25.7	25.9
24 AW D98-9213	53.0	47.1	72.0	61.9	86.6	15.0	22
25 G/F 931241E16	60.6	41.2	66.9	65.1	84.6	45.0	43.1
26 G/F 931463E27	40.7	24.2	53.5	51.6	74.4	38.2	38.8
27 G/F 93052E42	50.3	35.5	59.8	49.5	80.1	36.6	45.7
28 F/G 931470E62	53.3	34.9	58.6	49.7	90.6	37.6	39.3
29 F/G 931587E53	47.4	33.4	57.1	57.1	71.1	34.5	43.4
30 F/G 931233E17	56.0	44.5	63.9	66.1	90.6	39.8	40.9
31 B 961416	50.0	43.2	61.6	63.0	80.5	14.3	21.2
32 B 970205	53.1	45.5	63.6	58.7	78.1	38.7	37.8
33 B 971155	52.1	49.9	64.2	54.6	76.4	13.1	23.2
34 LA 94242-D4-2	42.9	21.0	52.8	42.3	61.6	29.9	23
35 LA 9397D5-2-2	51.1	37.0	53.0	55.7	56.9	39.2	41.3
36 LA 9354D9-3-1	37.9	29.0	52.6	44.1	67.0	29.9	22
37 TN X-01-1	47.8	40.6	61.6	60.8	87.1	19.0	26.5
38 AR 910-9-1	57.8	33.0	60.0	58.2	71.3	47.4	42.1
39 NC 98-26143	50.4	43.9	60.0	60.8	97.3	27.9	33.6
40 NC 98-26192	49.2	47.8	66.9	50.8	83.9	31.5	34
LOCATION MEANS	51.2	37.6	61.6	55.1	76.6	32.7	33.4
LSD (.05)		11.9	9.4	10.6	7.2	9.3	5.6
CV %		19.5	7.5	11.7	5.7	17.4	10.2
REPS	3	3	2	3	3	3	3
Harvest Plot Size (sq.ft.)	100	63.4	58.5	77.1	56.3	60	60

YIELD (bu/acre)

	Griffin GA #@	Plains GA #@	Aberdeen ID	Delphi IN	Ft. Branch IN @	Greensburg IN	Romney IN @								
	rank	rank	rank	rank	rank	rank	rank								
1	Coker 9663	51.9	11	63.8	18	99.2	14	100.2	8	75.5	1	71.2	1	95.3	1
2	AGS 2000	38.0	30	83.2	1	112.4	2	93.9	17	62.7	7	48.1	15	80.5	14
3	USG 3209	53.7	7	71.6	10	110.8	3	93.6	18	53.8	21	38.3	28	77.9	19
4	Pioneer 26R61	37.9	31	68.8	14	105.1	5	94.9	14	48.0	31	24.9	38	65.0	36
5	VA 98W-593	46.8	19	72.5	9	88.8	31	94.6	16	66.5	4	39.6	27	77.4	21
6	AR 839-25-8-2	62.9	1	64.2	17	98.7	16	97.1	12	67.6	2	40.6	25	87.8	5
7	AR-LA 85411	44.0	20	66.4	16	80.0	36	87.2	29	47.0	32	29.6	36	71.1	31
8	TX 98D2106	38.5	28	53.1	33	77.8	37	82.8	32	51.3	26	42.6	24	69.4	32
9	G/F 92485E15	39.7	27	77.9	4	87.6	32	100.7	7	63.8	5	44.6	20	83.9	8
10	VA 98W-591	53.5	8	81.2	2	90.3	28	91.3	22	57.8	15	44.1	22	74.8	28
11	VA 99W-200	50.3	15	80.6	3	103.5	9	98.5	10	60.0	10	36.8	29	82.0	12
12	TX 97-167	37.8	32	58.8	27	101.2	11	102.9	4	53.5	22	46.6	17	79.5	16
13	SC 952746	37.6	33	56.9	31	104.5	6	87.7	27	48.4	30	44.7	19	67.6	34
14	SC 960057	32.1	35	60.7	24	81.8	35	89.0	24	57.1	17	48.5	14	74.7	29
15	MDV 71-19	55.5	5	60.2	25	103.6	7	91.9	21	51.4	25	43.7	23	79.4	18
16	G 09139	51.6	12	57.5	30	114.9	1	88.0	25	53.5	23	46.9	16	79.5	17
17	G 96330	58.0	3	53.5	32	97.6	19	98.2	11	62.8	6	44.5	21	86.9	6
18	G 97066	47.6	18	63.3	19	89.7	30	87.3	28	54.9	20	59.5	5	76.2	25
19	TX 98D2577	31.9	36	50.4	34	73.9	38	70.7	38	42.6	38	26.9	37	55.6	37
20	TX 99D4709	21.6	40	46.1	37	82.2	34	71.2	37	41.8	40	20.1	39	54.3	38
21	AW D98*9762	30.8	37	61.5	23	91.5	24	104.2	3	59.3	11	61.3	4	90.6	3
22	AW D98*9770	38.3	29	58.2	29	90.7	26	101.7	6	44.2	37	49.3	11	67.6	35
23	AW D98*9764	34.8	34	46.2	36	99.8	13	93.5	19	60.7	8	66.5	3	89.5	4
24	AW D98-9213	42.4	22	42.8	39	94.5	23	104.7	2	58.3	14	69.7	2	91.8	2
25	G/F 931241E16	56.1	4	76.6	5	98.2	17	106.5	1	51.1	27	54.1	8	82.8	9
26	G/F 931463E27	42.4	23	70.2	11	97.9	18	82.1	33	50.3	28	40.1	26	76.4	24
27	G/F 93052E42	42.0	24	70.2	12	90.2	29	90.7	23	42.1	39	16.5	40	75.7	26
28	F/G 931470E62	47.8	17	72.8	8	73.7	39	71.9	36	55.4	19	32.8	35	75.3	27
29	F/G 931587E53	41.9	25	74.5	7	86.9	33	87.9	26	46.4	34	33.8	32	67.8	33
30	F/G 931233E17	51.6	13	74.8	6	98.9	15	94.9	15	60.2	9	51.3	10	80.4	15
31	B 961416	51.5	14	63.3	20	97.3	20	96.2	13	66.8	3	53.5	9	86.7	7
32	B 970205	55.4	6	62.3	22	103.6	8	81.5	35	52.2	24	57.8	6	77.5	20
33	B 971155	49.5	16	58.8	28	94.6	22	82.9	31	55.7	18	49.1	12	77.0	23
34	LA 94242-D4-2	29.5	39	49.1	35	70.8	40	86.9	30	46.9	33	36.7	30	44.8	39
35	LA 9397D5-2-2	41.7	26	59.2	26	91.5	25	102.8	5	44.7	36	33.1	34	71.7	30
36	LA 9354D9-3-1	29.7	38	45.3	38	100.7	12	56.9	40	45.4	35	33.2	33	35.6	40
37	TN X-01-1	43.9	21	36.1	40	97.0	21	70.5	39	49.5	29	54.9	7	81.9	13
38	AR 910-9-1	52.4	10	67.9	15	90.6	27	99.3	9	58.4	13	45.0	18	82.7	10
39	NC 98-26143	58.2	2	62.9	21	108.5	4	82.1	34	59.0	12	48.9	13	82.5	11
40	NC 98-26192	52.6	9	69.1	13	101.4	10	92.3	20	57.2	16	35.3	31	77.3	22
LOCATION MEANS		44.6		62.8		94.5		90.3		54.6		44.1		75.9	
LSD (.05)		7.9		9.5		16.38				7.44				8	
CV %		8.8		7.3		12.6				9.6				6.5	
REPS		2		2		4		1		2		1		3	
Harvest Plot Size (sq.ft.)		50		50		22.17		32		50		32		44	

YIELD (bu/acre)

	Parsons KS		Winfield KS		Logan Co. KY #		Baton Rouge LA #		Queenstown MD #@		Portageville MO #@		Cleveland MS #	
	rank		rank		rank		rank		rank		rank		rank	
1 Coker 9663	43.2	8	34.4	12	79.1	2	67.6	10	73.4	16	56.0	6	64.2	13
2 AGS 2000	41.2	14	28.0	22	61.8	22	78.8	1	82.1	5	58.8	3	72.2	2
3 USG 3209	42.0	12	46.2	2	63.7	18	78.1	2	82.2	4	51.9	17	70.9	4
4 Pioneer 26R61	43.1	10	33.9	14	56.8	27	70.2	8	64.5	34	51.6	18	64.6	12
5 VA 98W-593	50.2	1	42.1	6	71.7	9	71.9	6	83.3	3	52.2	16	71.9	3
6 AR 839-25-8-2	44.4	6	30.4	17	69.3	13	64.3	17	65.9	29	59.9	2	66.8	9
7 AR-LA 85411	40.0	15	8.3	38	57.7	25	59.9	19	79.8	7	49.6	24	69.6	5
8 TX 98D2106	28.8	36	22.8	29	57.6	26	46.8	34	63.3	35	47.5	27	60.7	24
9 G/F 92485E15	30.8	30	22.2	30	69.7	11	64.8	15	85.2	2	50.3	22	68.0	7
10 VA 98W-591	43.2	9	38.9	8	76.9	4	56.0	24	81.7	6	49.8	23	62.7	19
11 VA 99W-200	47.8	2	24.2	28	50.2	32	74.9	5	79.4	8	52.7	14	65.2	11
12 TX 97-167	39.3	16	27.4	24	62.1	21	59.6	21	74.0	15	46.6	29	62.0	20
13 SC 952746	31.9	29	31.5	16	61.6	24	55.6	26	72.1	18	46.4	31	63.9	15
14 SC 960057	42.5	11	21.4	31	62.2	20	47.6	32	75.3	14	50.6	19	63.9	14
15 MDV 71-19	28.9	34	27.2	25	56.1	29	29.4	37	78.4	10	52.9	13	56.9	32
16 G 09139	41.7	13	32.1	15	48.9	34	65.6	13	62.2	39	56.8	5	68.7	6
17 G 96330	43.6	7	28.7	21	74.2	6	28.9	38	70.5	22	47.2	28	63.1	17
18 G 97066	29.4	33	36.7	9	71.1	10	50.4	31	62.7	38	42.8	36	58.6	28
19 TX 98D2577	30.2	31	21.2	32	44.0	38	54.1	27	65.3	31	44.9	34	56.3	33
20 TX 99D4709	28.8	35	14.5	35	47.7	35	47.5	33	49.7	40	39.5	40	53.5	36
21 AW D98*9762	44.9	3	20.4	33	68.5	15	64.4	16	66.3	27	55.0	9	74.5	1
22 AW D98*9770	37.6	22	10.9	36	55.8	30	67.5	11	68.3	25	50.5	21	67.6	8
23 AW D98*9764	32.6	27	26.9	27	69.2	14	53.5	28	65.5	30	55.1	7	66.1	10
24 AW D98-9213	38.6	20	29.9	18	68.4	16	21.2	39	68.6	23	58.0	4	59.5	25
25 G/F 931241E16	29.6	32	29.3	20	61.8	23	77.1	3	76.6	12	53.0	12	63.0	18
26 G/F 931463E27	36.4	25	46.4	1	52.9	31	55.9	25	72.7	17	49.5	25	50.7	40
27 G/F 93052E42	38.8	19	29.8	19	47.2	36	75.2	4	87.5	1	52.5	15	63.3	16
28 F/G 931470E62	32.1	28	35.4	11	50.0	33	64.0	18	77.2	11	47.7	26	61.3	22
29 F/G 931587E53	23.7	38	9.8	37	56.2	28	66.4	12	70.7	20	45.1	33	59.5	26
30 F/G 931233E17	39.0	18	27.0	26	75.7	5	58.2	23	78.6	9	42.1	37	61.2	23
31 B 961416	27.1	37	34.0	13	77.6	3	33.2	36	68.6	24	53.2	11	51.2	39
32 B 970205	39.2	17	28.0	23	62.8	19	58.3	22	66.4	26	40.9	38	59.4	27
33 B 971155	37.6	23	36.4	10	72.5	7	41.0	35	64.6	33	46.1	32	53.6	35
34 LA 94242-D4-2	35.0	26	3.5	40	44.2	37	65.3	14	65.2	32	43.2	35	52.7	37
35 LA 9397D5-2-2	38.0	21	17.5	34	42.0	39	69.0	9	63.2	36	63.3	1	56.2	34
36 LA 9354D9-3-1	36.7	24	4.1	39	39.2	40	53.3	29	63.0	37	40.8	39	52.3	38
37 TN X-01-1	23.2	39	44.2	4	69.4	12	20.7	40	66.0	28	46.5	30	58.1	29
38 AR 910-9-1	44.5	5	42.4	5	67.2	17	71.7	7	71.1	19	50.6	20	61.9	21
39 NC 98-26143	44.9	4	44.4	3	72.2	8	52.3	30	70.6	21	55.0	10	57.5	31
40 NC 98-26192	18.8	40	41.7	7	87.2	1	59.9	20	76.3	13	55.1	8	58.1	30
LOCATION MEANS	36.7		28.4		62.1		57.5		71.5		50.3		61.8	
LSD (.05)	5.63		6.87		11.1		10.8		7.8		8.1		13.8	
CV %	11.29		14.4		10.6		12		6.9		8.7		11.1	
REPS			2		2		3		3		3		2	
Harvest Plot Size (sq.ft.)			50		40		57		55		55		58.5	

YIELD (bu/acre)

	Raymond MS #	rank	Kinston NC #	rank	Wooster OH @	rank	Florence SC #	rank	Knoxville TN #	rank	Ellis Co. TX #	rank	Prosper TX #	rank	
1	Coker 9663	35.6	35	49.2	30	83.1	2	35.2	37	41.6	8	49.2	23	64.0	5
2	AGS 2000	49.5	7	57.3	17	65.6	25	58.1	5	36.0	15	54.2	13	63.8	7
3	USG 3209	35.0	36	68.7	6	70.5	21	60.8	2	34.1	20	51.9	18	63.9	6
4	Pioneer 26R61	41.6	24	58.0	14	62.4	29	55.2	8	34.0	21	58.7	6	62.8	10
5	VA 98W-593	46.3	14	71.2	4	79.4	8	56.6	7	61.3	1	63.7	2	66.3	2
6	AR 839-25-8-2	49.2	9	53.7	21	80.5	5	49.6	14	33.9	22	75.7	1	65.9	3
7	AR-LA 85411	39.0	29	57.4	16	49.7	35	47.4	22	34.3	19	52.3	16	51.4	34
8	TX 98D2106	39.4	28	51.3	25	56.7	32	40.6	29	33.8	23	55.7	11	55.0	22
9	G/F 92485E15	46.2	16	47.6	32	74.0	15	48.7	16	41.8	7	50.9	19	63.5	9
10	VA 98W-591	50.2	5	72.6	2	81.0	4	56.9	6	58.7	2	60.7	5	69.0	1
11	VA 99W-200	48.1	11	56.6	18	73.8	16	45.4	25	35.3	17	53.7	15	60.3	16
12	TX 97-167	46.6	12	49.7	28	73.2	17	48.5	17	24.9	38	54.3	12	61.6	14
13	SC 952746	44.8	19	58.1	13	59.8	30	37.1	34	33.7	24	50.5	20	53.5	28
14	SC 960057	44.6	20	51.6	24	81.2	3	38.3	32	30.8	29	43.4	36	48.4	38
15	MDV 71-19	36.6	33	63.5	9	67.2	23	54.2	11	32.5	26	48.7	26	52.6	31
16	G 09139	40.7	26	56.2	19	75.5	12	40.0	31	29.6	32	50.5	21	61.3	15
17	G 96330	37.2	31	61.6	11	76.4	11	45.2	26	36.0	16	45.7	33	57.7	18
18	G 97066	42.1	23	71.6	3	55.9	33	49.1	15	27.4	35	57.2	8	63.8	8
19	TX 98D2577	32.1	37	39.4	36	45.6	37	32.1	38	25.9	37	57.0	9	50.6	37
20	TX 99D4709	29.1	38	26.9	40	46.4	36	27.7	40	16.8	40	47.2	32	51.0	35
21	AW D98*9762	51.5	3	27.4	39	59.5	31	35.8	35	33.7	25	47.8	29	48.4	39
22	AW D98*9770	46.6	13	50.0	26	54.4	34	48.0	20	31.0	28	48.3	28	54.6	23
23	AW D98*9764	53.4	2	36.3	38	64.6	27	40.2	30	29.5	33	49.2	24	56.6	19
24	AW D98-9213	46.3	15	49.2	29	79.5	7	47.1	23	29.8	31	52.2	17	53.7	26
25	G/F 931241E16	49.3	8	54.7	20	71.0	20	63.2	1	41.9	6	57.9	7	65.8	4
26	G/F 931463E27	38.3	30	53.5	22	74.2	14	52.3	12	29.5	34	41.8	37	51.5	33
27	G/F 93052E42	45.4	18	48.7	31	67.9	22	60.6	3	45.7	3	44.0	35	54.6	24
28	F/G 931470E62	45.7	17	74.7	1	64.9	26	58.9	4	41.0	9	48.9	25	53.3	30
29	F/G 931587E53	40.3	27	42.0	35	71.3	19	51.8	13	30.3	30	47.3	31	59.2	17
30	F/G 931233E17	43.8	21	70.9	5	66.7	24	48.4	18	35.0	18	55.9	10	55.4	20
31	B 961416	51.4	4	60.2	12	64.3	28	47.8	21	36.9	14	60.8	4	62.0	12
32	B 970205	36.5	34	57.5	15	73.0	18	54.6	10	45.5	4	54.1	14	53.6	27
33	B 971155	48.7	10	65.0	8	80.5	6	40.8	28	38.1	12	49.8	22	53.5	29
34	LA 94242-D4-2	27.1	40	38.9	37	42.6	38	45.0	27	27.0	36	47.8	30	52.6	32
35	LA 9397D5-2-2	36.9	32	47.3	33	38.6	39	35.7	36	31.9	27	41.6	38	55.2	21
36	LA 9354D9-3-1	28.4	39	45.1	34	8.4	40	31.5	39	23.9	39	35.0	40	45.9	40
37	TN X-01-1	43.7	22	49.8	27	74.8	13	48.2	19	42.1	5	40.5	39	51.0	36
38	AR 910-9-1	41.6	25	51.8	23	85.8	1	37.8	33	40.4	10	48.3	27	54.1	25
39	NC 98-26143	53.4	1	67.2	7	79.3	9	54.7	9	40.1	11	44.5	34	62.0	13
40	NC 98-26192	50.0	6	62.7	10	77.3	10	47.0	24	37.5	13	61.0	3	62.8	11
LOCATION MEANS		42.8		54.4		66.4		46.9		35.3		51.4		57.3	
LSD (.05)				12.7		7.5		7.8		12.2		9.5		10.4	
CV %				11.9		6.9		10.2		21.2		11.3		11.1	
REPS		4		2				3		3					
Harvest Plot Size (sq.ft.)				55				35		36					

YIELD (bu/acre)

		Blacksburg		Warsaw		ENTRY MEANS ALL LOCATIONS		ENTRY MEANS IN-REGION		ENTRY MEANS CV <10% @	
		VA	#	VA	#@				#		@
			rank		rank		rank		rank		rank
1	Coker 9663	61.8	11	81.6	21	60.9	9	55.7	16	71.5	6
2	AGS 2000	70.0	6	94.3	8	62.4	4	60.8	4	71.5	5
3	USG 3209	55.1	23	95.3	7	62.2	5	60.6	5	70.0	10
4	Pioneer 26R61	57.4	18	82.2	20	56.9	17	55.9	14	61.6	32
5	VA 98W-593	51.0	28	105.2	1	63.8	1	62.5	1	74.5	1
6	AR 839-25-8-2	79.3	1	75.5	31	61.6	7	59.1	8	70.5	9
7	AR-LA 85411	32.8	37	87.7	14	53.3	33	54.0	19	64.0	25
8	TX 98D2106	40.6	34	72.4	35	50.2	36	48.9	36	58.1	35
9	G/F 92485E15	60.0	16	80.7	22	58.5	13	56.6	12	68.9	13
10	VA 98W-591	55.0	24	101.2	3	62.7	3	61.7	3	73.8	2
11	VA 99W-200	56.3	19	79.2	25	59.2	12	56.7	11	69.0	12
12	TX 97-167	56.2	20	75.5	32	56.3	23	53.0	25	63.2	28
13	SC 952746	46.4	31	72.5	34	53.5	32	51.4	32	60.2	33
14	SC 960057	60.2	14	87.6	15	54.8	27	52.2	27	67.4	17
15	MDV 71-19	49.4	30	87.2	16	54.3	29	51.7	28	66.9	20
16	G 09139	64.7	9	82.3	19	56.7	19	53.1	24	64.9	23
17	G 96330	55.1	22	91.1	12	57.1	16	53.3	22	69.8	11
18	G 97066	58.9	17	85.0	18	55.5	25	53.4	21	62.2	31
19	TX 98D2577	26.9	39	69.0	37	44.7	38	44.2	38	52.3	37
20	TX 99D4709	20.9	40	38.2	40	38.4	40	36.0	40	42.3	40
21	AW D98*9762	37.7	35	61.7	38	55.3	26	51.2	33	62.4	30
22	AW D98*9770	32.1	38	69.6	36	54.2	30	53.2	23	59.0	34
23	AW D98*9764	40.9	33	76.5	27	55.5	24	51.4	31	63.5	27
24	AW D98-9213	50.8	29	85.5	17	56.7	18	51.5	30	68.6	14
25	G/F 931241E16	66.8	8	102.0	2	63.2	2	62.4	2	72.1	4
26	G/F 931463E27	54.3	25	75.9	29	53.9	31	50.6	34	64.0	26
27	G/F 93052E42	51.4	27	92.3	10	56.3	22	56.3	13	67.0	19
28	F/G 931470E62	60.0	15	91.2	11	56.7	20	57.2	10	68.2	15
29	F/G 931587E53	43.1	32	78.6	26	52.6	34	52.3	26	62.4	29
30	F/G 931233E17	61.7	12	99.1	5	61.1	8	59.7	6	70.8	7
31	B 961416	76.9	4	80.5	23	57.8	15	54.9	18	67.7	16
32	B 970205	62.5	10	80.0	24	57.9	14	55.7	17	64.9	22
33	B 971155	71.0	5	93.7	9	56.5	21	53.6	20	66.7	21
34	LA 94242-D4-2	55.4	21	75.9	30	45.3	37	45.1	37	51.2	38
35	LA 9397D5-2-2	53.0	26	59.2	39	50.9	35	49.5	35	55.2	36
36	LA 9354D9-3-1	35.5	36	76.3	28	41.6	39	42.2	39	46.4	39
37	TN X-01-1	78.8	2	96.8	6	54.4	28	51.6	29	64.4	24
38	AR 910-9-1	69.6	7	73.7	33	59.3	11	55.9	15	67.4	18
39	NC 98-26143	77.7	3	100.7	4	61.8	6	59.2	7	72.5	3
40	NC 98-26192	60.3	13	90.3	13	59.8	10	58.8	9	70.6	8
LOCATION MEANS		54.9		82.6		55.8		53.8		64.7	
LSD (.05)				6.7							
CV %				6							
REPS		1		3							
Harvest Plot Size (sq.ft.)		45		45							

TEST WEIGHT (lbs/bu)

	Belle Mina AL	Bay AR	DeWitt AR	Keiser AR	Sussex Co. DE
1 Coker 9663	55.5	54.1	59.6	56.8	59.4
2 AGS 2000	56.1	55.8	59.9	58.1	60.3
3 USG 3209	55.3	55.0	59.3	58.6	59.9
4 Pioneer 26R61	57.4	56.5	61.8	57.5	63.1
5 VA 98W-593	57.6	57.9	61.7	57.2	62.1
6 AR 839-25-8-2	54.9	55.1	58.6	54.9	60.7
7 AR-LA 85411	55.7	55.2	60.6	55.8	60.8
8 TX 98D2106	54.6	54.1	60.0	53.6	58.9
9 G/F 92485E15	57.0	56.4	61.2	58.6	61.7
10 VA 98W-591	57.0	57.2	60.1	57.6	61.1
11 VA 99W-200	54.8	55.6	60.6	58.0	59.9
12 TX 97-167	55.3	55.1	59.4	56.9	61.5
13 SC 952746	54.9	55.0	59.7	53.9	61.0
14 SC 960057	52.2	53.1	55.7	54.6	57.4
15 MDV 71-19	55.2	55.0	54.3	55.7	61.1
16 G 09139	54.8	55.1	58.2	55.3	58.8
17 G 96330	55.3	55.3	58.9	56.2	60.7
18 G 97066	56.9	57.1	61.2	57.1	62.1
19 TX 98D2577	56.5	56.2	58.0	56.4	60.2
20 TX 99D4709	55.4	55.6	59.7	54.7	57.8
21 AW D98*9762	54.1	53.9	58.7	57.3	60.1
22 AW D98*9770	56.3	55.4	60.3	55.9	60.9
23 AW D98*9764	54.5	53.9	55.9	56.7	58.9
24 AW D98-9213	55.2	55.6	58.2	55.4	59.8
25 G/F 931241E16	56.4	55.9	60.7	57.1	62.6
26 G/F 931463E27	54.7	52.2	57.5	56.1	58.4
27 G/F 93052E42	55.3	53.7	58.7	57.7	60.0
28 F/G 931470E62	56.7	54.9	60.2	56.3	60.5
29 F/G 931587E53	55.2	54.3	58.8	56.9	60.8
30 F/G 931233E17	55.9	56.0	61.0	58.4	61.3
31 B 961416	55.8	54.8	59.8	57.7	60.2
32 B 970205	56.9	57.2	62.8	57.6	61.7
33 B 971155	55.5	55.5	59.5	55.5	61.3
34 LA 94242-D4-2	55.5	54.7	58.5	55.1	60.6
35 LA 9397D5-2-2	55.1	54.5	58.2	56.8	59.2
36 LA 9354D9-3-1	53.3	53.8	58.2	53.3	59.7
37 TN X-01-1	52.7	55.2	58.1	57.2	61.5
38 AR 910-9-1	55.0	52.7	59.0	56.0	58.8
39 NC 98-26143	53.1	53.5	58.6	56.0	59.0
40 NC 98-26192	55.9	56.3	60.1	58.1	61.3
LOCATION MEANS	55.4	55.1	59.3	56.5	60.4

TEST WEIGHT (lbs/bu)

		Marianna FL	Quincy FL	Griffin GA	Plains GA	Aberdeen ID
1	Coker 9663	51.2	52.8	52.6	56.1	58.9
2	AGS 2000	54.1	56.6	51.8	56.2	59.1
3	USG 3209	54.7	53.4	52.8	54.0	59.1
4	Pioneer 26R61	57.6	56.5	53.3	59.8	59.6
5	VA 98W-593	52.2	56.5	57.5	60.3	60.6
6	AR 839-25-8-2	50.9	54.4	57.4	58.0	57.2
7	AR-LA 85411	53.8	55.4	56.3	58.2	59.3
8	TX 98D2106	49.3	53.4	52.9	58.6	56.7
9	G/F 92485E15	53.8	56.3	53.4	59.2	59.8
10	VA 98W-591	53.1	54.7	53.8	58.9	59.9
11	VA 99W-200	51.5	50.6	52.3	57.3	60.5
12	TX 97-167	51.2	53.8	49.5	55.9	58.7
13	SC 952746	52.5	51.5	49.4	58.2	57.7
14	SC 960057	49.0	45.4	44.5	51.2	57.3
15	MDV 71-19	51.2	52.8	53.4	57.6	58.2
16	G 09139	47.7	49.9	48.4	54.6	57.1
17	G 96330	46.4	50.6	50.7	53.1	58.6
18	G 97066	52.2	53.8	52.7	57.3	59.4
19	TX 98D2577	54.1	54.1	54.9	58.7	59.5
20	TX 99D4709	51.2	51.2	49.7	57.3	58.5
21	AW D98*9762	52.2	54.4	46.3	54.1	56.6
22	AW D98*9770	55.0	55.7	51.4	55.8	57.7
23	AW D98*9764	50.2	51.2	49.1	53.4	55.8
24	AW D98-9213	44.8	49.6	50.5	51.6	57.2
25	G/F 931241E16	52.5	56.3	55.7	59.2	59.3
26	G/F 931463E27	52.2	51.8	52.2	56.1	57.5
27	G/F 93052E42	53.8	53.8	53.8	56.1	58.8
28	F/G 931470E62	53.8	53.4	55.8	58.4	59.2
29	F/G 931587E53	53.1	54.4	52.3	57.3	58.7
30	F/G 931233E17	53.1	56.3	56.0	58.9	58.9
31	B 961416	49.9	53.1	56.2	55.4	58.8
32	B 970205	54.1	55.7	58.7	59.1	59.1
33	B 971155	48.6	53.4	53.7	52.1	57.1
34	LA 94242-D4-2	55.0	52.5	52.7	58.0	57.9
35	LA 9397D5-2-2	51.2	51.8	53.9	56.2	58.6
36	LA 9354D9-3-1	52.5	49.6	54.7	57.1	57.1
37	TN X-01-1	46.1	51.8	53.3	59.3	56.6
38	AR 910-9-1	54.1	53.4	50.7	54.9	57.7
39	NC 98-26143	49.9	51.8	51.0	54.0	57.3
40	NC 98-26192	52.5	54.7	53.8	59.1	58.9
LOCATION MEANS		51.8	53.2	52.7	56.7	58.4

TEST WEIGHT (lbs/bu)

		Ft. Branch IN	Romney IN	Logan Co. KY	Baton Rouge LA	Queenstown MD
1	Coker 9663	60.2	60.4	59.5	55.9	58.8
2	AGS 2000	57.4	61.0	58.1	56.5	59.2
3	USG 3209	55.7	60.0	57.8	57.3	58.9
4	Pioneer 26R61	57.9	62.1	59.6	59.6	61.0
5	VA 98W-593	63.8	63.1	56.9	58.0	61.1
6	AR 839-25-8-2	61.3	60.3	58.7	54.5	59.9
7	AR-LA 85411	59.9	60.4	60.1	56.8	60.1
8	TX 98D2106	60.8	61.0	57.5	53.1	58.2
9	G/F 92485E15	59.7	62.2	60.3	57.5	60.5
10	VA 98W-591	62.0	63.5	60.2	56.2	59.8
11	VA 99W-200	59.8	60.0	54.8	52.5	58.4
12	TX 97-167	59.5	61.4	58.0	55.1	59.7
13	SC 952746	57.0	59.4	56.6	55.9	60.0
14	SC 960057	58.9	59.0	56.5	51.6	57.1
15	MDV 71-19	60.0	61.0	56.7	53.2	58.4
16	G 09139	57.8	59.2	54.3	52.1	58.8
17	G 96330	60.6	60.1	59.3	51.0	59.1
18	G 97066	61.5	61.1	61.0	56.1	61.0
19	TX 98D2577	62.0	61.7	58.4	56.9	60.7
20	TX 99D4709	56.6	60.3	57.2	56.1	59.7
21	AW D98*9762	57.8	59.4	57.3	54.2	58.2
22	AW D98*9770	57.1	61.7	58.9	56.5	60.0
23	AW D98*9764	59.6	59.0	57.5	53.4	57.6
24	AW D98-9213	60.4	60.6	58.0	49.5	57.5
25	G/F 931241E16	60.2	61.1	60.6	56.0	58.9
26	G/F 931463E27	55.2	57.5	57.9	53.6	57.3
27	G/F 93052E42	53.0	58.3	49.5	54.6	59.4
28	F/G 931470E62	55.3	59.4	56.7	56.1	60.3
29	F/G 931587E53	57.7	60.4	57.2	55.3	59.4
30	F/G 931233E17	60.9	60.7	59.9	55.8	58.8
31	B 961416	62.3	61.1	57.5	55.4	59.5
32	B 970205	62.1	62.2	60.8	56.4	61.1
33	B 971155	61.7	61.5	59.7	53.4	59.8
34	LA 94242-D4-2	54.8	61.7	59.7	56.2	60.0
35	LA 9397D5-2-2	56.8	59.3	54.1	52.2	58.3
36	LA 9354D9-3-1	57.6	59.2	56.4	54.4	59.6
37	TN X-01-1	58.7	59.7	59.4	48.9	57.8
38	AR 910-9-1	58.3	59.0	58.2	55.9	58.0
39	NC 98-26143	60.7	60.6	55.4	51.4	57.7
40	NC 98-26192	61.8	62.9	59.6	56.4	59.7
LOCATION MEANS		59.1	60.6	57.9	54.8	59.2

TEST WEIGHT (lbs/bu)

		Portageville MO	Cleveland MS	Raymond MS	Kinston NC	Wooster OH
1	Coker 9663	58.2	60.3	56	59.1	61.4
2	AGS 2000	57.9	58.6	57	59.2	61.3
3	USG 3209	55.3	57.6	58	60.4	61.4
4	Pioneer 26R61	58.1	58.2	58	60.7	63.2
5	VA 98W-593	58.3	60.2	57	62.2	64.1
6	AR 839-25-8-2	56.4	59.9	55	60.5	61.3
7	AR-LA 85411	57.7	59.8	57	60.5	60.8
8	TX 98D2106	56.1	57.6	54	59.9	59.5
9	G/F 92485E15	59.5	60.8	56	60.7	63.3
10	VA 98W-591	57.6	58.9	58	61.2	64.0
11	VA 99W-200	56.0	58.6	55	60.6	61.4
12	TX 97-167	56.5	57.5	57	59.3	62.7
13	SC 952746	58.1	58.8	56	59.6	59.4
14	SC 960057	56.9	53.8	52	50.6	60.0
15	MDV 71-19	58.1	56.6	56	59.6	61.0
16	G 09139	54.5	57.7	55	60.0	60.6
17	G 96330	55.4	56.4	55	59.2	60.8
18	G 97066	57.7	59.8	56	61.0	61.3
19	TX 98D2577	58.1	59.2	56	59.9	59.5
20	TX 99D4709	57.0	61.5	55	58.0	60.4
21	AW D98*9762	55.1	57.7	58	56.5	58.0
22	AW D98*9770	56.0	57.9	57	59.0	60.6
23	AW D98*9764	55.2	54.9	55	56.8	58.2
24	AW D98-9213	54.9	55.2	54	58.4	61.9
25	G/F 931241E16	58.2	59.7	58	60.0	61.4
26	G/F 931463E27	55.0	51.2	54	58.7	61.0
27	G/F 93052E42	55.1	58.3	52	57.9	60.2
28	F/G 931470E62	55.9	56.4	55	61.2	61.6
29	F/G 931587E53	58.2	59.1	54	58.9	59.5
30	F/G 931233E17	57.4	59.2	56	61.9	61.2
31	B 961416	55.6	54.5	56	60.9	62.1
32	B 970205	57.3	60.6	57	61.7	62.8
33	B 971155	56.4	58.4	56	59.9	61.9
34	LA 94242-D4-2	57.8	57.5	54	57.8	59.5
35	LA 9397D5-2-2	53.9	58.2	56	59.3	57.1
36	LA 9354D9-3-1	56.5	58.6	54	57.3	51.5
37	TN X-01-1	56.0	56.6	55	58.5	61.1
38	AR 910-9-1	56.6	58.0	56	57.8	61.0
39	NC 98-26143	56.2	52.9	53	58.0	60.2
40	NC 98-26192	57.3	57.6	56	61.3	63.0
LOCATION MEANS		56.7	57.9	55.6	59.3	60.8

TEST WEIGHT (lbs/bu)

		Florence SC	Knoxville TN	Ellis Co. TX	Prosper TX	Blacksburg VA
1	Coker 9663	55.3	55.3	53.7	58.0	53.0
2	AGS 2000	52.0	57.2	54.1	58.1	55.0
3	USG 3209	51.9	52.0	52.9	57.4	55.4
4	Pioneer 26R61	57.9	58.0	56.7	60.3	58.3
5	VA 98W-593	56.7	60.1	57.6	60.7	57.5
6	AR 839-25-8-2	56.5	55.6	57.0	57.4	56.5
7	AR-LA 85411	54.1	57.3	56.4	58.1	51.1
8	TX 98D2106	53.0	55.9	54.9	55.7	52.5
9	G/F 92485E15	56.3	57.9	55.7	59.7	55.2
10	VA 98W-591	55.5	58.5	54.8	58.6	55.5
11	VA 99W-200	54.4	50.8	52.2	56.3	52.3
12	TX 97-167	54.3	52.1	52.9	56.9	52.4
13	SC 952746	54.8	51.7	55.1	58.2	53.8
14	SC 960057	48.1	49.6	49.0	51.0	51.9
15	MDV 71-19	54.1	54.8	54.0	55.9	54.4
16	G 09139	53.2	54.3	49.6	56.6	52.6
17	G 96330	52.1	54.9	52.9	52.7	54.5
18	G 97066	55.3	57.2	56.7	58.0	56.4
19	TX 98D2577	53.8	56.4	57.8	57.5	54.4
20	TX 99D4709	55.0	54.2	57.4	57.2	45.7
21	AW D98*9762	54.4	54.4	51.5	55.3	54.1
22	AW D98*9770	55.3	57.1	53.3	56.2	54.8
23	AW D98*9764	50.9	53.7	52.4	55.0	55.3
24	AW D98-9213	52.7	52.0	54.4	54.7	53.7
25	G/F 931241E16	57.5	55.9	56.9	56.7	55.3
26	G/F 931463E27	53.9	56.0	53.1	53.7	51.8
27	G/F 93052E42	54.6	57.7	51.0	56.2	53.3
28	F/G 931470E62	55.5	57.0	54.4	57.0	53.9
29	F/G 931587E53	54.3	54.5	53.7	58.1	53.4
30	F/G 931233E17	54.5	58.5	56.9	56.4	56.4
31	B 961416	56.4	55.8	56.0	56.6	55.8
32	B 970205	57.9	58.1	58.2	58.6	57.5
33	B 971155	53.5	53.1	54.7	55.4	55.6
34	LA 94242-D4-2	54.5	54.1	56.7	57.2	57.0
35	LA 9397D5-2-2	53.0	55.0	52.4	55.3	52.0
36	LA 9354D9-3-1	51.0	56.5	52.7	55.5	51.5
37	TN X-01-1	53.9	55.9	53.5	54.8	57.2
38	AR 910-9-1	52.2	54.2	53.7	54.9	53.9
39	NC 98-26143	53.6	51.9	51.5	53.3	55.4
40	NC 98-26192	53.1	58.3	55.7	56.7	56.0
LOCATION MEANS		54.2	55.3	54.4	56.5	54.3

TEST WEIGHT (lbs/bu)

		Warsaw VA	ENTRY MEANS ALL LOCATIONS	rank
1	Coker 9663	56.0	56.9	17
2	AGS 2000	56.9	57.2	13
3	USG 3209	55.3	56.5	22
4	Pioneer 26R61	57.9	58.9	3
5	VA 98W-593	58.6	59.2	1
6	AR 839-25-8-2	57.2	57.3	12
7	AR-LA 85411	56.4	57.6	10
8	TX 98D2106	56.1	56.1	26
9	G/F 92485E15	58.3	58.5	4
10	VA 98W-591	57.8	58.3	5
11	VA 99W-200	56.7	56.2	25
12	TX 97-167	57.2	56.5	21
13	SC 952746	57.3	56.4	23
14	SC 960057	54.1	53.1	40
15	MDV 71-19	56.3	56.3	24
16	G 09139	56.1	55.1	36
17	G 96330	55.9	55.6	31
18	G 97066	58.0	58.0	7
19	TX 98D2577	55.9	57.6	11
20	TX 99D4709	55.4	56.1	27
21	AW D98*9762	56.0	55.6	32
22	AW D98*9770	56.8	57.0	16
23	AW D98*9764	55.4	55.0	39
24	AW D98-9213	56.3	55.1	37
25	G/F 931241E16	57.8	58.1	6
26	G/F 931463E27	56.1	55.2	35
27	G/F 93052E42	56.7	55.7	30
28	F/G 931470E62	58.0	57.0	15
29	F/G 931587E53	56.5	56.6	19
30	F/G 931233E17	57.3	58.0	8
31	B 961416	57.2	57.1	14
32	B 970205	57.6	59.0	2
33	B 971155	57.0	56.5	20
34	LA 94242-D4-2	56.0	56.7	18
35	LA 9397D5-2-2	55.6	55.5	33
36	LA 9354D9-3-1	54.6	55.2	34
37	TN X-01-1	57.5	56.0	29
38	AR 910-9-1	56.9	56.0	28
39	NC 98-26143	55.9	55.1	38
40	NC 98-26192	58.6	57.9	9
LOCATION MEANS		56.7		

KERNEL WEIGHT (grams)

		Belle Mina AL	Raymond MS
		100 count	100 count
1	Coker 9663	3.88	3.2
2	AGS 2000	3.89	3.7
3	USG 3209	3.79	3.5
4	Pioneer 26R61	4.27	4.3
5	VA 98W-593	3.64	3.1
6	AR 839-25-8-2	3.12	2.7
7	AR-LA 85411	3.20	2.9
8	TX 98D2106	2.94	2.4
9	G/F 92485E15	3.57	3.0
10	VA 98W-591	3.12	2.8
11	VA 99W-200	3.16	2.7
12	TX 97-167	3.24	3.3
13	SC 952746	4.01	3.5
14	SC 960057	3.52	2.9
15	MDV 71-19	3.85	3.5
16	G 09139	3.11	2.5
17	G 96330	3.31	3.1
18	G 97066	3.69	3.3
19	TX 98D2577	3.35	2.7
20	TX 99D4709	3.72	3.1
21	AW D98*9762	3.41	3.0
22	AW D98*9770	3.83	3.7
23	AW D98*9764	3.70	3.2
24	AW D98-9213	3.36	2.8
25	G/F 931241E16	3.57	3.0
26	G/F 931463E27	3.45	3.3
27	G/F 93052E42	3.88	3.4
28	F/G 931470E62	3.01	2.8
29	F/G 931587E53	3.74	3.0
30	F/G 931233E17	3.32	3.1
31	B 961416	3.44	2.8
32	B 970205	3.70	3.0
33	B 971155	3.63	3.3
34	LA 94242-D4-2	3.98	2.6
35	LA 9397D5-2-2	2.87	3.4
36	LA 9354D9-3-1	4.20	3.3
37	TN X-01-1	3.34	3.5
38	AR 910-9-1	3.67	3.3
39	NC 98-26143	3.57	2.9
40	NC 98-26192	3.38	3.1
LOCATION MEANS		3.54	3.1

HEADING DATE (Julian)

	Belle Mina AL	Bay AR	DeWitt AR	Sussex Co. DE	Marianna FL
1 Coker 9663	107	107.7	108.0	119	96
2 AGS 2000	106	106.7	105.4	127	95
3 USG 3209	108	109.0	107.3	117	96
4 Pioneer 26R61	108	108.7	107.7	117	96
5 VA 98W-593	107	110.0	108.5	118	100
6 AR 839-25-8-2	109	109.7	111.3	119	101
7 AR-LA 85411	109	108.3	108.7	115	99
8 TX 98D2106	109	110.3	110.0	119	101
9 G/F 92485E15	107	108.0	107.2	116	100
10 VA 98W-591	109	110.3	109.5	119	102
11 VA 99W-200	106	107.3	105.5	112	88
12 TX 97-167	109	111.0	109.4	119	100
13 SC 952746	108	109.7	107.4	118	94
14 SC 960057	110	115.0	112.9	119	99
15 MDV 71-19	108	110.3	108.7	119	NV
16 G 09139	106	107.7	105.2	118	NV
17 G 96330	108	110.7	109.2	119	NV
18 G 97066	108	110.3	109.0	119	102
19 TX 98D2577	108	108.0	107.8	116	95
20 TX 99D4709	106	108.3	106.2	115	93
21 AW D98*9762	107	108.0	107.5	119	99
22 AW D98*9770	108	109.7	107.8	119	94
23 AW D98*9764	107	109.0	108.7	118	96
24 AW D98-9213	109	110.0	110.0	121	NV
25 G/F 931241E16	109	111.7	109.5	119	101
26 G/F 931463E27	107	108.7	107.5	118	99
27 G/F 93052E42	106	107.3	104.4	115	94
28 F/G 931470E62	106	108.3	105.0	115	97
29 F/G 931587E53	107	108.7	106.4	119	97
30 F/G 931233E17	109	110.0	108.2	117	100
31 B 961416	108	109.7	108.8	118	NV
32 B 970205	108	107.3	108.0	117	99
33 B 971155	112	112.0	112.2	122	NV
34 LA 94242-D4-2	108	112.7	108.2	124	88
35 LA 9397D5-2-2	107	110.0	105.2	115	88
36 LA 9354D9-3-1	108	114.7	110.5	124	89
37 TN X-01-1	112	113.3	111.9	115	NV
38 AR 910-9-1	107	108.7	106.7	112	92
39 NC 98-26143	109	114.3	111.2	123	100
40 NC 98-26192	109	108.3	108.7	117	100
LOCATION MEANS	108.0	109.7	108.3	118.2	

HEADING DATE (Julian)

	Quincy FL	Griffin GA	Plains GA	Aberdeen ID	Delphi IN
1 Coker 9663	86	102	95	151.8	144
2 AGS 2000	85	103	96	151.8	142
3 USG 3209	94	104	98	152.3	143
4 Pioneer 26R61	93	103	97	152.0	144
5 VA 98W-593	94	103	98	150.0	143
6 AR 839-25-8-2	93	105	102	154.8	143
7 AR-LA 85411	95	103	98	150.8	143
8 TX 98D2106	97	105	103	153.0	143
9 G/F 92485E15	85	104	96	152.8	142
10 VA 98W-591	96	104	99	151.0	143
11 VA 99W-200	84	102	96	149.8	141
12 TX 97-167	98	103	99	153.5	143
13 SC 952746	85	101	96	153.5	142
14 SC 960057	94	106	99	148.3	143
15 MDV 71-19	98	106	99	153.0	143
16 G 09139	93	102	96	152.0	139
17 G 96330	101	106	99	152.0	142
18 G 97066	98	105	99	152.5	143
19 TX 98D2577	96	104	97	151.5	143
20 TX 99D4709	85	104	95	151.3	139
21 AW D98*9762	94	102	96	154.0	143
22 AW D98*9770	92	103	96	153.8	143
23 AW D98*9764	94	103	97	153.0	143
24 AW D98-9213	103	106	105	153.3	143
25 G/F 931241E16	99	105	102	155.3	143
26 G/F 931463E27	94	103	98	153.3	142
27 G/F 93052E42	84	104	95	151.0	140
28 F/G 931470E62	84	103	95	151.0	143
29 F/G 931587E53	85	103	96	151.5	142
30 F/G 931233E17	95	101	97	154.5	143
31 B 961416	102	104	105	151.8	142
32 B 970205	94	101	97	152.5	143
33 B 971155	104	106	106	153.3	146
34 LA 94242-D4-2	83	104	93	153.0	143
35 LA 9397D5-2-2	82	103	94	152.0	142
36 LA 9354D9-3-1	81	107	93	157.0	151
37 TN X-01-1	104	107	107	155.5	149
38 AR 910-9-1	82	102	95	150.8	143
39 NC 98-26143	99	105	103	155.8	145
40 NC 98-26192	95	103	96	151.3	145
LOCATION MEANS	92.5	103.8	98.1	152.5	143.1

HEADING DATE (Julian)

	Greensburg IN	Romney IN	Logan Co. KY	Baton Rouge LA	Queenstown MD
1 Coker 9663	131	136.0	127	94	114.7
2 AGS 2000	128	134.0	127	92	111.0
3 USG 3209	130	134.5	127	93	114.0
4 Pioneer 26R61	130	135.0	127	93	113.7
5 VA 98W-593	132	138.0	128	101	115.7
6 AR 839-25-8-2	131	136.5	126	100	116.7
7 AR-LA 85411	128	134.5	128	95	115.3
8 TX 98D2106	129	136.0	128	100	116.0
9 G/F 92485E15	128	134.5	127	91	112.7
10 VA 98W-591	130	137.0	126	108	116.0
11 VA 99W-200	128	132.0	126	91	108.0
12 TX 97-167	128	136.5	128	95	116.0
13 SC 952746	130	134.5	127	93	114.0
14 SC 960057	132	136.0	128	108	116.7
15 MDV 71-19	131	136.5	129	108	116.0
16 G 09139	127	133.5	127	97	113.0
17 G 96330	129	136.5	127	108	116.3
18 G 97066	129	136.0	126	108	117.0
19 TX 98D2577	130	135.5	127	95	114.0
20 TX 99D4709	130	132.5	128	91	109.0
21 AW D98*9762	131	135.0	128	93	114.7
22 AW D98*9770	130	135.5	127	93	114.3
23 AW D98*9764	130	135.5	127	93	114.3
24 AW D98-9213	131	137.5	128		117.0
25 G/F 931241E16	131	136.5	129	97	116.3
26 G/F 931463E27	129	135.5	128	94	114.0
27 G/F 93052E42	129	133.5	129	92	111.7
28 F/G 931470E62	129	133.5	127	92	111.0
29 F/G 931587E53	130	135.0	128	93	112.7
30 F/G 931233E17	129	135.0	127	96	115.3
31 B 961416	130	134.5	127	101	115.3
32 B 970205	129	135.0	126	93	116.0
33 B 971155	132	141.0	129	108	118.0
34 LA 94242-D4-2	134	140.0	133	91	111.3
35 LA 9397D5-2-2	130	134.5	127	91	109.7
36 LA 9354D9-3-1	136	142.5	129	91	116.0
37 TN X-01-1	135	142.5	130	108	119.0
38 AR 910-9-1	129	135.0	127	92	110.3
39 NC 98-26143	132	139.0	128	98	118.0
40 NC 98-26192	131	136.5	128	99	115.3
LOCATION MEANS	130.2	136.0	127.7	96.8	114.4

HEADING DATE (Julian)

		Portageville MO	Cleveland MS	Kinston NC	Wooster OH	Knoxville TN
1	Coker 9663	121.7	108.5	98.0	138	118
2	AGS 2000	119.3	106.0	98.0	138	117
3	USG 3209	119.3	107.7	101.5	139	117
4	Pioneer 26R61	118.0	108.4	102.0	142	118
5	VA 98W-593	121.7	109.7	102.0	143	116
6	AR 839-25-8-2	118.7	111.0	105.0	140	118
7	AR-LA 85411	119.7	109.0	102.0	139	119
8	TX 98D2106	121.7	111.2	105.0	139	118
9	G/F 92485E15	121.0	107.4	100.5	139	117
10	VA 98W-591	121.3	110.7	103.0	143	118
11	VA 99W-200	117.3	107.7	98.0	135	117
12	TX 97-167	121.7	110.5	103.5	140	118
13	SC 952746	118.0	108.5	102.0	142	118
14	SC 960057	125.0	112.5	104.5	141	120
15	MDV 71-19	119.0	110.2	101.5	141	118
16	G 09139	115.3	107.0	98.5	136	115
17	G 96330	119.3	111.0	104.0	142	118
18	G 97066	120.3	110.9	103.0	143	119
19	TX 98D2577	119.3	109.5	102.5	137	117
20	TX 99D4709	118.0	107.5	101.5	136	116
21	AW D98*9762	117.7	108.4	100.5	140	117
22	AW D98*9770	119.3	109.2	103.0	140	118
23	AW D98*9764	117.7	109.4	102.5	140	118
24	AW D98-9213	118.7	112.0	105.0	143	117
25	G/F 931241E16	122.0	110.3	105.0	142	119
26	G/F 931463E27	119.3	108.4	99.5	138	119
27	G/F 93052E42	117.7	105.3	FD	138	116
28	F/G 931470E62	119.0	107.2	98.0	137	115
29	F/G 931587E53	121.3	106.3	FD	141	120
30	F/G 931233E17	121.0	108.0	103.5	138	117
31	B 961416	117.3	110.2	103.5	137	117
32	B 970205	118.7	110.2	98.0	141	117
33	B 971155	122.7	112.2	105.5	143	120
34	LA 94242-D4-2	122.0	107.5	FD	147	119
35	LA 9397D5-2-2	117.3	107.2	104.5	142	118
36	LA 9354D9-3-1	125.3	109.8	FD		120
37	TN X-01-1	121.3	111.5	106.0	145	119
38	AR 910-9-1	119.7	108.2	99.0	136	116
39	NC 98-26143	123.7	111.0	105.0	142	117
40	NC 98-26192	118.3	110.7	104.0	137	119
LOCATION MEANS		119.9	109.2		140.0	117.8

HEADING DATE (Julian)

		Ellis Co. TX	Blacksburg VA	Warsaw VA	ENTRY MEANS ALL LOCATIONS	rank
1	Coker 9663	99.7	121	107	114.4	10
2	AGS 2000	99.7	120	106	113.6	6
3	USG 3209	100.0	122	106	114.8	12
4	Pioneer 26R61	101.7	123	108	115.0	16
5	VA 98W-593	100.3	123	109	116.1	24
6	AR 839-25-8-2	102.0	124	112	116.9	28
7	AR-LA 85411	100.3	124	110	115.4	21
8	TX 98D2106	102.0	124	111	117.0	30
9	G/F 92485E15	99.0	121	107	114.0	8
10	VA 98W-591	101.0	123	109	116.9	29
11	VA 99W-200	98.0	118	107	111.9	1
12	TX 97-167	101.3	123	109	116.3	25
13	SC 952746	103.0	123	109	114.6	11
14	SC 960057	105.3	122	111	117.7	35
15	MDV 71-19	102.0	123	110	117.7	34
16	G 09139	97.7	123	107	114.4	9
17	G 96330	101.3	124	110	117.9	36
18	G 97066	102.0	124	110	117.1	32
19	TX 98D2577	100.7	123	108	115.0	14
20	TX 99D4709	99.0	121	108	113.1	3
21	AW D98*9762	100.7	124	109	115.2	17
22	AW D98*9770	99.7	124	110	115.2	18
23	AW D98*9764	101.0	125	110	115.3	20
24	AW D98-9213	102.0	124	111	119.4	38
25	G/F 931241E16	102.0	124	109	117.3	33
26	G/F 931463E27	99.7	123	107	115.0	15
27	G/F 93052E42	99.7	121	107	113.7	7
28	F/G 931470E62	98.7	122	104	113.1	4
29	F/G 931587E53	101.0	123	108	115.2	19
30	F/G 931233E17	100.3	123	110	115.6	22
31	B 961416	100.7	123	109	117.0	31
32	B 970205	99.0	123	108	114.8	13
33	B 971155	103.0	126	111	120.2	39
34	LA 94242-D4-2	104.3	125	111	116.5	26
35	LA 9397D5-2-2	99.7	122	109	113.5	5
36	LA 9354D9-3-1	105.7	128	112	116.7	27
37	TN X-01-1	104.3	128	112	120.7	40
38	AR 910-9-1	98.7	121	106	112.9	2
39	NC 98-26143	101.3	128	112	118.3	37
40	NC 98-26192	101.3	122	110	115.9	23
LOCATION MEANS		101.0	123.2	109.0		

HEIGHT (inches)

		Belle Mina AL	DeWitt AR	Keiser AR	Sussex Co. DE	Marianna FL
1	Coker 9663	33	41.0	32	25	30.0
2	AGS 2000	31	36.6	28	32	31.0
3	USG 3209	27	33.5	29	29	28.0
4	Pioneer 26R61	33	37.2	30	32	30.5
5	VA 98W-593	30	34.7	26	32	27.0
6	AR 839-25-8-2	33	38.4	28	33	29.0
7	AR-LA 85411	33	36.8	25	29	32.5
8	TX 98D2106	30	39.0	28	35	29.5
9	G/F 92485E15	31	37.8	29	32	28.0
10	VA 98W-591	29	34.1	27	31	28.0
11	VA 99W-200	29	36.2	26	33	28.5
12	TX 97-167	32	38.6	29	33	31.5
13	SC 952746	36	41.4	30	38	35.5
14	SC 960057	35	39.4	29	38	32.0
15	MDV 71-19	30	38.6	29	32	25.5
16	G 09139	27	33.9	27	31	25.5
17	G 96330	29	33.7	28	31	25.5
18	G 97066	32	38.2	31	34	29.5
19	TX 98D2577	29	36.2	29	32	31.0
20	TX 99D4709	30	36.8	28	31	28.5
21	AW D98*9762	31	37.4	29	32	30.0
22	AW D98*9770	33	39.4	30	35	34.5
23	AW D98*9764	33	39.2	29	34	29.5
24	AW D98-9213	33	37.8	29	35	28.5
25	G/F 931241E16	32	37.6	31	33	31.0
26	G/F 931463E27	31	35.9	29	30	31.5
27	G/F 93052E42	27	35.1	29	30	26.5
28	F/G 931470E62	27	34.7	26	33	25.5
29	F/G 931587E53	28	35.7	26	28	28.0
30	F/G 931233E17	34	39.2	29	36	31.0
31	B 961416	29	34.3	27	30	25.0
32	B 970205	33	35.3	25	32	31.5
33	B 971155	32	36.6	30	35	24.0
34	LA 94242-D4-2	30	35.5	27	37	27.5
35	LA 9397D5-2-2	26	32.9	27	28	23.0
36	LA 9354D9-3-1	28	34.1	25	33	22.0
37	TN X-01-1	33	40.2	32	37	28.0
38	AR 910-9-1	33	39.0	33	35	29.5
39	NC 98-26143	33	38.0	32	38	31.0
40	NC 98-26192	28	35.5	25	30	23.0
LOCATION MEANS		30.8	36.9	28.5	32.6	28.7

HEIGHT (inches)

		Quincy FL	Griffin GA	Plains GA	Aberdeen ID	Delphi IN
1	Coker 9663	29.0	35	39	35.8	43
2	AGS 2000	32.0	33	38	32.8	38
3	USG 3209	27.5	33	32	29.3	35
4	Pioneer 26R61	33.5	37	38	31.8	40
5	VA 98W-593	27.0	34	33	29.5	36
6	AR 839-25-8-2	28.0	37	35	32.0	38
7	AR-LA 85411	30.5	37	39	28.5	39
8	TX 98D2106	28.5	34	35	31.0	39
9	G/F 92485E15	29.5	33	38	31.3	38
10	VA 98W-591	28.5	33	34	30.0	32
11	VA 99W-200	26.5	33	34	32.8	35
12	TX 97-167	30.5	37	37	34.5	40
13	SC 952746	35.5	41	41	36.8	45
14	SC 960057	31.5	37	38	29.8	40
15	MDV 71-19	29.0	34	30	32.5	35
16	G 09139	28.5	33	31	29.3	32
17	G 96330	29.0	33	30	30.3	33
18	G 97066	32.0	35	33	34.5	37
19	TX 98D2577	29.0	33	30	32.0	37
20	TX 99D4709	27.0	33	31	35.8	37
21	AW D98*9762	32.5	35	32	33.5	40
22	AW D98*9770	35.5	39	35	34.0	41
23	AW D98*9764	32.0	39	34	32.3	39
24	AW D98-9213	31.5	37	34	32.5	42
25	G/F 931241E16	35.0	39	38	37.0	41
26	G/F 931463E27	33.0	29	36	32.8	38
27	G/F 93052E42	29.5	29	32	31.3	36
28	F/G 931470E62	27.0	30	33	27.0	34
29	F/G 931587E53	30.5	29	37	29.8	37
30	F/G 931233E17	35.5	35	37	37.0	37
31	B 961416	28.0	35	30	30.5	34
32	B 970205	30.0	40	37	31.8	38
33	B 971155	30.0	37	35	32.8	36
34	LA 94242-D4-2	30.5	35	34	33.3	41
35	LA 9397D5-2-2	27.0	30	27	29.0	35
36	LA 9354D9-3-1	23.5	29	28	32.8	35
37	TN X-01-1	35.0	40	36	36.5	40
38	AR 910-9-1	33.0	39	37	34.8	40
39	NC 98-26143	32.5	38	33	36.5	38
40	NC 98-26192	29.0	35	33	29.3	34
LOCATION MEANS		30.3	34.9	34.4	32.3	37.6

HEIGHT (inches)

		Ft. Branch IN	Logan Co. KY	Baton Rouge LA	Queenstown MD	Portageville MO
1	Coker 9663	39.5	37	38	36.0	36
2	AGS 2000	36.5	32	38	34.3	34
3	USG 3209	32.5	30	34	30.3	31
4	Pioneer 26R61	36.5	33	37	34.0	36
5	VA 98W-593	33.5	30	37	30.3	31
6	AR 839-25-8-2	37.5	35	39	33.3	33
7	AR-LA 85411	31.5	33	35	34.7	31
8	TX 98D2106	39.0	34	38	35.3	35
9	G/F 92485E15	36.0	36	39	34.3	32
10	VA 98W-591	35.0	33	37	30.7	31
11	VA 99W-200	31.5	32	34	30.0	34
12	TX 97-167	35.5	36	36	34.7	34
13	SC 952746	35.0	36	39	37.7	36
14	SC 960057	34.5	37	41	36.7	36
15	MDV 71-19	34.0	33	34	30.7	33
16	G 09139	32.5	28	35	30.0	32
17	G 96330	33.0	32	35	31.0	31
18	G 97066	39.0	35	41	35.0	33
19	TX 98D2577	32.0	30	35	32.3	32
20	TX 99D4709	34.5	34	38	32.3	31
21	AW D98*9762	37.5	35	37	34.0	35
22	AW D98*9770	37.5	35	39	36.0	33
23	AW D98*9764	39.0	35	40	34.3	34
24	AW D98-9213	39.0	36	39	35.3	37
25	G/F 931241E16	38.0	36	36	34.0	35
26	G/F 931463E27	35.5	34	35	30.7	31
27	G/F 93052E42	31.5	27	33	30.7	30
28	F/G 931470E62	32.0	28	32	28.0	30
29	F/G 931587E53	33.5	32	35	31.3	31
30	F/G 931233E17	36.5	34	36	34.3	35
31	B 961416	33.5	31	33	29.7	31
32	B 970205	38.0	36	38	32.0	32
33	B 971155	36.5	34	38	31.7	34
34	LA 94242-D4-2	37.0	35	38	34.7	36
35	LA 9397D5-2-2	28.0	28	30	27.0	32
36	LA 9354D9-3-1	33.0	33	35	32.0	30
37	TN X-01-1	40.0	38	40	39.0	40
38	AR 910-9-1	39.5	36	39	33.3	35
39	NC 98-26143	38.0	37	38	36.3	36
40	NC 98-26192	34.0	31	35	31.3	32
LOCATION MEANS		35.4	33.4	36.7	33.0	33.3

HEIGHT (inches)

		Raymond MS	Kinston NC	Wooster OH	Florence SC	Blacksburg VA
1	Coker 9663	36	35.4	40	34.5	35
2	AGS 2000	35	32.5	41	35.5	32
3	USG 3209	28	32.9	36	31.5	30
4	Pioneer 26R61	35	34.6	41	34.5	33
5	VA 98W-593	33	29.2	39	34.5	31
6	AR 839-25-8-2	33	30.8	40	34.0	35
7	AR-LA 85411	37	32.5	38	32.0	32
8	TX 98D2106	34	34.6	39	34.0	36
9	G/F 92485E15	34	32.1	40	36.0	33
10	VA 98W-591	35	29.6	39	32.0	30
11	VA 99W-200	33	27.1	36	32.0	30
12	TX 97-167	37	30.8	41	34.0	35
13	SC 952746	37	36.3	38	36.5	36
14	SC 960057	37	35.4	42	35.0	33
15	MDV 71-19	36	30.4	39	32.0	32
16	G 09139	35	31.7	38	31.0	30
17	G 96330	32	32.5	39	31.0	33
18	G 97066	36	34.2	43	35.5	35
19	TX 98D2577	34	29.6	37	33.0	32
20	TX 99D4709	34	32.5	40	34.0	33
21	AW D98*9762	39	29.6	40	31.0	32
22	AW D98*9770	36	35.0	41	35.0	34
23	AW D98*9764	37	32.5	41	34.0	34
24	AW D98-9213	35	34.6	43	36.0	35
25	G/F 931241E16	34	34.2	40	35.5	36
26	G/F 931463E27	33	32.9	37	35.5	30
27	G/F 93052E42	30	28.3	35	34.5	29
28	F/G 931470E62	30	27.9	35	30.5	28
29	F/G 931587E53	32	31.3	38	34.5	30
30	F/G 931233E17	38	35.4	37	33.5	34
31	B 961416	34	32.1	36	31.0	32
32	B 970205	34	31.7	42	35.5	34
33	B 971155	38	33.8	42	31.5	35
34	LA 94242-D4-2	31	32.5	40	35.5	34
35	LA 9397D5-2-2	36	27.1	33	28.5	29
36	LA 9354D9-3-1	29	27.9	31	29.5	30
37	TN X-01-1	39	35.0	44	36.5	38
38	AR 910-9-1	39	33.3	42	33.5	34
39	NC 98-26143	38	35.4	41	37.0	36
40	NC 98-26192	32	29.6	38	33.5	30
LOCATION MEANS		34.6	32.1	39.1	33.6	32.8

HEIGHT (inches)

		Warsaw VA	ENTRY MEANS ALL LOCATIONS	rank
1	Coker 9663	33	35.4	9
2	AGS 2000	31	34.0	20
3	USG 3209	28	30.8	36
4	Pioneer 26R61	32	34.7	13
5	VA 98W-593	29	31.7	30
6	AR 839-25-8-2	33	34.0	19
7	AR-LA 85411	30	33.2	23
8	TX 98D2106	34	34.4	15
9	G/F 92485E15	31	33.9	22
10	VA 98W-591	30	31.9	28
11	VA 99W-200	28	31.5	32
12	TX 97-167	32	34.7	14
13	SC 952746	35	37.3	2
14	SC 960057	35	35.8	4
15	MDV 71-19	30	32.4	26
16	G 09139	28	30.9	35
17	G 96330	30	31.5	31
18	G 97066	34	35.1	11
19	TX 98D2577	30	32.1	27
20	TX 99D4709	28	32.8	25
21	AW D98*9762	29	33.9	21
22	AW D98*9770	33	35.8	5
23	AW D98*9764	32	34.9	12
24	AW D98-9213	34	35.4	8
25	G/F 931241E16	34	35.6	7
26	G/F 931463E27	30	32.9	24
27	G/F 93052E42	28	30.6	37
28	F/G 931470E62	27	29.8	39
29	F/G 931587E53	30	31.8	29
30	F/G 931233E17	33	35.1	10
31	B 961416	29	31.2	34
32	B 970205	30	34.1	17
33	B 971155	33	34.1	18
34	LA 94242-D4-2	34	34.2	16
35	LA 9397D5-2-2	26	29.0	40
36	LA 9354D9-3-1	31	30.1	38
37	TN X-01-1	36	37.3	1
38	AR 910-9-1	32	35.7	6
39	NC 98-26143	37	36.2	3
40	NC 98-26192	30	31.3	33
LOCATION MEANS		31.2		

LODGING

	Belle Mina AL	Sussex Co. DE	Marianna FL	Quincy FL	Griffin GA
	0-9	0-9	0-9	0-9	0-9
1 Coker 9663	1	1.7	0	0.5	8
2 AGS 2000	1	2.7	0	0.0	8
3 USG 3209	0	1.7	0	0.0	8
4 Pioneer 26R61	0	2.7	0	0.0	7
5 VA 98W-593	1	1.3	0	0.0	8
6 AR 839-25-8-2	0	1.0	0	0.0	2
7 AR-LA 85411	0	2.0	0	0.0	8
8 TX 98D2106	0	1.0	0	0.0	8
9 G/F 92485E15	0	3.0	0	0.0	7
10 VA 98W-591	0	1.7	0	0.0	8
11 VA 99W-200	0	2.7	0	0.0	8
12 TX 97-167	1	2.0	0	0.0	8
13 SC 952746	2	3.0	0	0.0	8
14 SC 960057	0	2.3	0	0.0	8
15 MDV 71-19	0	1.3	0	0.0	8
16 G 09139	1	2.0	0	0.0	8
17 G 96330	0	1.0	0	0.0	6
18 G 97066	0	2.0	0	0.0	8
19 TX 98D2577	0	1.0	0	0.0	8
20 TX 99D4709	0	2.7	0	0.0	2
21 AW D98*9762	0	1.0	0	0.0	8
22 AW D98*9770	0	2.3	0	0.0	8
23 AW D98*9764	0	1.7	0	0.0	7
24 AW D98-9213	0	1.0	0	0.0	8
25 G/F 931241E16	0	1.7	0	0.0	8
26 G/F 931463E27	1	3.0	0	0.0	8
27 G/F 93052E42	1	2.0	0	0.0	8
28 F/G 931470E62	1	2.0	0	0.0	8
29 F/G 931587E53	0	3.0	0	0.0	8
30 F/G 931233E17	1	2.3	0	0.0	8
31 B 961416	0	1.0	0	0.0	8
32 B 970205	0	1.0	0	0.0	2
33 B 971155	0	1.0	0	0.0	5
34 LA 94242-D4-2	0	2.0	0	0.5	2
35 LA 9397D5-2-2	0	2.0	0	0.0	2
36 LA 9354D9-3-1	0	1.0	0	0.0	1
37 TN X-01-1	1	1.0	0	0.0	8
38 AR 910-9-1	0	2.7	0	0.0	8
39 NC 98-26143	0	1.0	0	0.0	8
40 NC 98-26192	0	1.0	0	0.0	7
LOCATION MEANS	0.3	1.8	0.0	0.0	6.9
DATE / GROWTH STAGE			28-May	22-May	

LODGING

	Plains GA	Aberdeen ID	Romney IN	Logan Co. KY	Baton Rouge LA
	0-9	0-9	0-9	0-9	0-9
1 Coker 9663		4.0	1.3	0	4.5
2 AGS 2000		2.8	0.7	0	2.5
3 USG 3209		1.0	0.3	0	2.0
4 Pioneer 26R61		0.0	0.0	0	1.0
5 VA 98W-593		0.3	0.3	0	1.0
6 AR 839-25-8-2		0.0	0.0	0	1.0
7 AR-LA 85411		0.0	0.0	0	2.0
8 TX 98D2106		2.8	0.7	0	1.0
9 G/F 92485E15		1.0	0.0	0	2.0
10 VA 98W-591		0.8	0.0	0	1.0
11 VA 99W-200		2.0	0.7	0	2.0
12 TX 97-167	1	4.0	1.7	0	5.5
13 SC 952746		2.8	0.7	0	4.5
14 SC 960057		0.8	0.7	0	1.0
15 MDV 71-19		0.3	0.3	0	1.0
16 G 09139		2.3	0.0	0	1.0
17 G 96330		0.3	0.0	0	1.5
18 G 97066		0.5	1.0	0	1.0
19 TX 98D2577	2	0.5	3.0	0	1.5
20 TX 99D4709		0.0	0.3	0	2.0
21 AW D98*9762		2.3	1.7	0	3.0
22 AW D98*9770		1.3	0.3	0	2.5
23 AW D98*9764		1.8	0.3	0	1.0
24 AW D98-9213		2.0	1.7	0	3.0
25 G/F 931241E16	4	2.8	4.3	0	2.0
26 G/F 931463E27	2	2.8	1.7	0	3.0
27 G/F 93052E42	2	1.0	0.0	0	3.0
28 F/G 931470E62		0.0	0.7	0	2.5
29 F/G 931587E53		1.3	0.3	0	3.0
30 F/G 931233E17	3	4.3	1.7	0	4.0
31 B 961416		2.3	1.3	0	1.5
32 B 970205		0.0	0.0	0	1.0
33 B 971155		0.0	0.0	0	1.0
34 LA 94242-D4-2		0.5	0.0	0	1.5
35 LA 9397D5-2-2		0.0	0.0	0	1.0
36 LA 9354D9-3-1		0.0	0.0	0	1.0
37 TN X-01-1		4.5	0.3	0	1.0
38 AR 910-9-1		3.0	1.0	0	2.5
39 NC 98-26143		3.5	2.7	0	1.0
40 NC 98-26192		2.3	0.0	0	1.0
LOCATION MEANS		1.5	0.7	0.0	2.0
DATE / GROWTH STAGE					

LODGING

		Portageville MO	Cleveland MS	Wooster OH	Blacksburg VA	Warsaw VA
		0-9	0-9	1-5	0.2-10	0.2-10
1	Coker 9663	3.0	5	1.7	2.4	0.4
2	AGS 2000	1.0	7	1.0	0.4	1.1
3	USG 3209	2.3	2	1.0	1.6	0.5
4	Pioneer 26R61	0.0	1	1.0	0.2	0.4
5	VA 98W-593	0.3	3	1.3	0.4	1.1
6	AR 839-25-8-2	0.0	1	1.0	0.2	0.2
7	AR-LA 85411	0.0	1	1.0	0.4	0.3
8	TX 98D2106	0.0	1	3.3	0.2	0.3
9	G/F 92485E15	0.3	1	1.0	0.4	1.0
10	VA 98W-591	0.3	1	1.0	0.2	1.8
11	VA 99W-200	1.3	1	1.3	0.4	0.7
12	TX 97-167	0.3	1	2.3	0.8	2.7
13	SC 952746	1.7	1	2.0	0.4	4.0
14	SC 960057	1.0	1	2.3	0.8	1.9
15	MDV 71-19	2.3	1	2.0	0.8	2.5
16	G 09139	3.3	1	1.0	2.0	1.1
17	G 96330	2.0	1	1.0	0.4	0.4
18	G 97066	3.3	1	1.0	3.6	0.6
19	TX 98D2577	2.7	1	5.3	0.4	1.9
20	TX 99D4709	1.7	1	1.0	0.2	1.6
21	AW D98*9762	1.3	1	1.0	0.2	0.2
22	AW D98*9770	1.0	1	1.7	0.4	1.1
23	AW D98*9764	1.3	1	1.0	0.2	0.3
24	AW D98-9213	2.0	1	5.0	1.6	1.1
25	G/F 931241E16	1.0	1	4.0	3.6	0.8
26	G/F 931463E27	2.3	1	4.0	2.4	2.5
27	G/F 93052E42	0.7	1	1.3	0.2	1.3
28	F/G 931470E62	3.0	1	3.0	2.0	1.7
29	F/G 931587E53	1.0	1	2.0	1.6	3.5
30	F/G 931233E17	1.0	1	1.3	2.0	6.1
31	B 961416	2.7	1	1.3	3.2	0.7
32	B 970205	0.0	1	1.0	0.2	0.5
33	B 971155	0.0	1	1.3	0.2	0.3
34	LA 94242-D4-2	0.0	1	1.0	0.4	0.5
35	LA 9397D5-2-2	1.0	1	1.0	0.4	0.2
36	LA 9354D9-3-1	0.0	1	1.0	0.2	0.3
37	TN X-01-1	2.0	1	4.0	3.2	0.9
38	AR 910-9-1	2.0	1	2.0	2.4	2.1
39	NC 98-26143	2.3	1	3.7	2.8	0.8
40	NC 98-26192	1.3	1	1.0	0.2	0.3
LOCATION MEANS		1.3	1.3	1.9	1.1	1.2
DATE / GROWTH STAGE						

WINTERKILL / FREEZE DAMAGE

	Belle Mina AL 0-9	Bay AR freeze 1-9	DeWitt AR	Fayetteville AR freeze damage 0-2	Manhattan KS winter damage
1 Coker 9663	0	1.3		0.3	6
2 AGS 2000	0	2.7		0.0	7
3 USG 3209	0	1.3		0.0	5
4 Pioneer 26R61	0	2.0		0.7	5
5 VA 98W-593	0	1.0		0.0	3
6 AR 839-25-8-2	0	1.0		0.0	3
7 AR-LA 85411	0	2.0		0.7	9
8 TX 98D2106	0	1.3		0.0	6
9 G/F 92485E15	0	3.0		0.7	9
10 VA 98W-591	0	1.0		0.3	3
11 VA 99W-200	0	2.0		0.3	5
12 TX 97-167	0	1.0		0.7	7
13 SC 952746	0	2.3		0.7	8
14 SC 960057	0	1.0		0.7	8
15 MDV 71-19	0	1.0		0.0	3
16 G 09139	0	1.7		0.0	3
17 G 96330	0	1.0		0.0	3
18 G 97066	0	1.0		0.0	3
19 TX 98D2577	0	1.3		0.3	5
20 TX 99D4709	0	2.7		0.3	5
21 AW D98*9762	0	2.7		0.7	7
22 AW D98*9770	0	2.3		0.7	7
23 AW D98*9764	0	2.0		0.0	4
24 AW D98-9213	0	1.0		0.0	3
25 G/F 931241E16	0	1.7		0.3	7
26 G/F 931463E27	0	1.3		0.7	5
27 G/F 93052E42	0	3.7		0.7	9
28 F/G 931470E62	0	3.0		0.3	6
29 F/G 931587E53	0	3.3		0.7	9
30 F/G 931233E17	0	2.0		0.3	6
31 B 961416	0	1.7		0.0	5
32 B 970205	0	1.3		0.0	4
33 B 971155	0	1.7		0.0	5
34 LA 94242-D4-2	0	4.7	freeze dmg	2.0	9
35 LA 9397D5-2-2	0	3.0		1.0	8
36 LA 9354D9-3-1	0	4.0	freeze dmg	1.3	9
37 TN X-01-1	0	1.7		0.0	5
38 AR 910-9-1	0	1.7		0.0	4
39 NC 98-26143	0	1.0		0.0	4
40 NC 98-26192	0	1.3		0.0	5
LOCATION MEANS	0.0	1.9		0.4	5.7
DATE / GROWTH STAGE				14-Mar	15-Mar

WINTERKILL / FREEZE DAMAGE

	Winfield KS 0-9	Logan Co. KY survival %	Ellis Co. TX freeze damage 0-5	Prosper TX freeze damage 0-5
1	Coker 9663	100	3.3	3.3
2	AGS 2000	100	3.3	4.0
3	USG 3209	100	3.3	3.7
4	Pioneer 26R61	100	2.7	4.0
5	VA 98W-593	100	2.7	3.0
6	AR 839-25-8-2	100	1.3	1.7
7	AR-LA 85411	100	2.7	4.0
8	TX 98D2106	100	1.3	1.7
9	G/F 92485E15	100	3.0	3.3
10	VA 98W-591	100	2.0	2.7
11	VA 99W-200	100	2.0	2.7
12	TX 97-167	100	2.3	3.0
13	SC 952746	100	3.0	3.7
14	SC 960057	100	2.3	3.3
15	MDV 71-19	100	1.3	2.7
16	G 09139	100	1.3	2.7
17	G 96330	100	1.3	1.3
18	G 97066	100	1.0	1.7
19	TX 98D2577	100	1.7	3.0
20	TX 99D4709	100	2.7	3.0
21	AW D98*9762	100	2.3	3.0
22	AW D98*9770	100	3.0	4.0
23	AW D98*9764	100	1.7	2.7
24	AW D98-9213	100	1.0	3.0
25	G/F 931241E16	100	2.0	3.3
26	G/F 931463E27	100	1.7	3.0
27	G/F 93052E42	100	3.7	3.7
28	F/G 931470E62	100	2.3	2.7
29	F/G 931587E53	8	3.7	4.0
30	F/G 931233E17	100	1.7	3.3
31	B 961416	100	1.0	2.0
32	B 970205	100	1.7	2.0
33	B 971155	100	1.0	2.7
34	LA 94242-D4-2	8	5.0	5.0
35	LA 9397D5-2-2	7	3.0	4.3
36	LA 9354D9-3-1	8	5.0	5.0
37	TN X-01-1	100	2.0	2.7
38	AR 910-9-1	100	2.7	3.0
39	NC 98-26143	100	1.3	2.0
40	NC 98-26192	100	1.3	2.3
LOCATION MEANS		100.0	2.3	3.1
DATE / GROWTH STAGE				

LEAF RUST

	Belle Mina AL	Bay AR	DeWitt AR	Keiser AR	Kibler AR inoc. TNRL %
	0-9	1-9	1-9	0-9	
1 Coker 9663	3.0	2.3	4.0	2	3.0
2 AGS 2000	3.0	1.0	1.0	0	0.0
3 USG 3209	0.0	1.7	2.0	1	0.0
4 Pioneer 26R61	0.0	1.0	1.5	0	0.0
5 VA 98W-593	0.0	2.7	3.0	2	20.0
6 AR 839-25-8-2	0.0	3.3	3.5	1	9.7
7 AR-LA 85411	0.0	1.0	1.0	0	0.0
8 TX 98D2106	0.0	2.0	3.5	1	4.7
9 G/F 92485E15	3.0	1.7	2.5	0	0.0
10 VA 98W-591	0.0	2.0	3.2	2	2.3
11 VA 99W-200	0.0	3.0	2.5	0	0.0
12 TX 97-167	0.0	2.0	2.0	1	1.3
13 SC 952746	0.0	1.3	1.5	0	0.0
14 SC 960057	3.0	2.0	1.0	1	0.0
15 MDV 71-19	4.0	1.0	? leaf gone	1	0.0
16 G 09139	0.0	1.7	? leaf gone	1	
17 G 96330	3.0	2.7	4.5	1	27.3
18 G 97066	3.0	2.3	3.5	2	0.7
19 TX 98D2577	0.0	1.3	? leaf gone	1	0.0
20 TX 99D4709	4.0	2.0	? leaf gone	1	0.7
21 AW D98*9762	0.0	3.7	2.5	2	5.3
22 AW D98*9770	3.5	3.3	2.0	0	0.0
23 AW D98*9764	0.0	4.0	3.7	1	5.3
24 AW D98-9213	0.0	2.3	3.0	1	2.0
25 G/F 931241E16	4.0	1.0	1.0	1	0.0
26 G/F 931463E27	3.0	3.0	1.5	1	0.7
27 G/F 93052E42	0.0	1.0	? V. early	1	0.0
28 F/G 931470E62	0.0	4.3	? V. early	2	3.5
29 F/G 931587E53	0.0	1.0	? 2.0	0	0.0
30 F/G 931233E17	0.0	1.3	2.0	0	0.0
31 B 961416	4.0	1.3	1.5	1	0.0
32 B 970205	0.0	3.7	2.3	2	2.3
33 B 971155	3.0	1.3	2.5	1	0.7
34 LA 94242-D4-2	0.0	1.7	1.0	1	0.0
35 LA 9397D5-2-2	3.0	2.0	? V. early	1	0.0
36 LA 9354D9-3-1	4.0	1.3	2.5	1	0.0
37 TN X-01-1	0.0	4.3	5.0	2	7.0
38 AR 910-9-1	3.0	1.7	1.0	0	0.0
39 NC 98-26143	0.0	2.3	2.5	2	0.7
40 NC 98-26192	0.0	3.0	1.7	1	0.7
LOCATION MEANS	1.3	2.1		1.0	2.5
DATE / GROWTH STAGE			15-May		16-May

LEAF RUST

	Marianna FL	Quincy FL	Plains GA	Plains GA	Delphi IN
	0-9	0-9	early	late	
1 Coker 9663	1	3.5	5	6	2
2 AGS 2000	0	0.0	3	3	1
3 USG 3209	0	0.0	1	9	1
4 Pioneer 26R61	0	0.0	0	3	1
5 VA 98W-593	0	0.0	1	0	1
6 AR 839-25-8-2	1	0.0	2	8	3
7 AR-LA 85411	0	0.0	0	0	2
8 TX 98D2106	0	1.0	0	1	3
9 G/F 92485E15	0	0.0	1	1	1
10 VA 98W-591	0	0.5	0	0	1
11 VA 99W-200	0	0.0	1	2	1
12 TX 97-167	0	0.5	3	5	1
13 SC 952746	0	0.0	0	0	2
14 SC 960057	0	0.0	0	1	1
15 MDV 71-19	0	0.0	0	2	2
16 G 09139	2	0.5	1	9	2
17 G 96330	1	0.0	1	6	4
18 G 97066	0	1.0	1	1	3
19 TX 98D2577	0	0.0	2	0	1
20 TX 99D4709	0	0.0	0	8	7
21 AW D98*9762	0	1.0	0	8	1
22 AW D98*9770	0	0.5	6	9	3
23 AW D98*9764	1	1.0	4	9	3
24 AW D98-9213	1	3.5	5	9	6
25 G/F 931241E16	0	0.0	0	1	2
26 G/F 931463E27	1	2.0	1	5	1
27 G/F 93052E42	1	0.0	0	5	1
28 F/G 931470E62	2	5.0	2	9	9
29 F/G 931587E53	0	1.0	0	0	3
30 F/G 931233E17	0	0.0	0	4	1
31 B 961416	2	0.0	0	3	1
32 B 970205	0	1.5	1	7	4
33 B 971155	0	0.0	0	6	2
34 LA 94242-D4-2	0	0.0	0	5	1
35 LA 9397D5-2-2	0	0.5	0	3	1
36 LA 9354D9-3-1	1	0.0	0	0	1
37 TN X-01-1	0	0.5	8	9	8
38 AR 910-9-1	0	0.5	0	3	1
39 NC 98-26143	0	0.0	0	2	3
40 NC 98-26192	0	0.0	1	2	1
LOCATION MEANS	0.4	0.6	1.3	4.1	2.3
DATE / GROWTH STAGE	18-Apr	16-Apr	22-Apr	2-May	11

LEAF RUST

	Romney IN	Baton Rouge LA	St. Paul MN	Portageville MO	Ellis Co. TX
	1-9	%			%
1 Coker 9663	0	5	winter kill	1	50
2 AGS 2000	0	0	winter kill	2	0
3 USG 3209	0	0	winter kill	7	50
4 Pioneer 26R61	0	0	20MR	1	15
5 VA 98W-593	0	0	20MR	6	5
6 AR 839-25-8-2	0	0	20MR-MS	14	80
7 AR-LA 85411	0	0	winter kill	1	1
8 TX 98D2106	0	0	10R-MR	1	10
9 G/F 92485E15	0	0	winter kill	4	80
10 VA 98W-591	0	0	10R-MR	1	30
11 VA 99W-200	0	0	winter kill	11	30
12 TX 97-167	3	3	winter kill	9	80
13 SC 952746	0	0	winter kill	1	1
14 SC 960057	0	0	winter kill	1	0
15 MDV 71-19	0	0	30R-MR	6	100
16 G 09139		0	30MR-MS	1	100
17 G 96330	3	2	0	7	80
18 G 97066	2	0	10MR-MS	2	30
19 TX 98D2577		0	5R	2	0
20 TX 99D4709		0	5R-MR	2	1
21 AW D98*9762	5	0	20R-MR	14	100
22 AW D98*9770	4	5	dead	9	40
23 AW D98*9764	2	0	dead	13	80
24 AW D98-9213	2	0	60S	15	80
25 G/F 931241E16	0	0	10R-MR	4	0
26 G/F 931463E27	0	2	20MR-MS	1	40
27 G/F 93052E42	0	0	30MS-S	1	30
28 F/G 931470E62	1	8	30MR-MS	4	40
29 F/G 931587E53	0	0	20R-MR	1	40
30 F/G 931233E17	0	0	winter kill	5	30
31 B 961416	0	0	5R	12	1
32 B 970205	0	5	10R-MR	18	1
33 B 971155	1	0	20MR-MS	11	60
34 LA 94242-D4-2	0	0	winter kill	1	0
35 LA 9397D5-2-2	0	0	winter kill	5	1
36 LA 9354D9-3-1	0	0	winter kill	2	60
37 TN X-01-1	7	18	30S	27	70
38 AR 910-9-1	2	0	60S	3	70
39 NC 98-26143	0	1	10R-MR	2	70
40 NC 98-26192	0	0	10R-MR	1	1
LOCATION MEANS	0.9	1.2		5.7	38.9
DATE / GROWTH STAGE					

LEAF RUST

	Blacksburg VA	Warsaw VA
	0-9	0-9
1 Coker 9663	1	2
2 AGS 2000	0	2
3 USG 3209	5	8
4 Pioneer 26R61	2	2
5 VA 98W-593	0	3
6 AR 839-25-8-2	2	5
7 AR-LA 85411	1	2
8 TX 98D2106	0	2
9 G/F 92485E15	0	3
10 VA 98W-591	0	5
11 VA 99W-200	1	1
12 TX 97-167	1	4
13 SC 952746	0	2
14 SC 960057	0	1
15 MDV 71-19	1	3
16 G 09139	0	1
17 G 96330	1	3
18 G 97066	0	3
19 TX 98D2577	0	3
20 TX 99D4709	0	2
21 AW D98*9762	1	5
22 AW D98*9770	1	5
23 AW D98*9764	3	6
24 AW D98-9213	7	5
25 G/F 931241E16	0	2
26 G/F 931463E27	3	3
27 G/F 93052E42	0	3
28 F/G 931470E62	2	3
29 F/G 931587E53	0	2
30 F/G 931233E17	2	2
31 B 961416	1	3
32 B 970205	0	2
33 B 971155	2	5
34 LA 94242-D4-2	0	1
35 LA 9397D5-2-2	0	4
36 LA 9354D9-3-1	0	2
37 TN X-01-1	5	7
38 AR 910-9-1	3	3
39 NC 98-26143	0	4
40 NC 98-26192	0	3
LOCATION MEANS	1.1	3.2
DATE / GROWTH STAGE	8-Jun	24-May

LEAF RUST

St. Paul
MN

Reactions produced by NA race*

	SCJB	LBBH	MBDS	CBGG	LBGT	CDBB	MCRJ	CLGH	TLGJ	Postulated Genes***
1 Coker 9663	:	:	:	:	:	:	:	:	3	2a,9,10,11
2 AGS 2000	3	:	:	:	:	:	3	:	:	11,26,+
3 USG 3209	:	:	:	:	:	:	3	:	:	10,26
4 Pioneer 26R61	2c;	:	;lc	:	:	:	3	:	:	10,26
5 VA 98W-593	:	0;	:	:	:	:	:	:	:	+
6 AR 939-25-8-2	0;	:	:	:	:	:	:	:	;-3	+
7 AR-LA 85411	lc;	:	:	:	:	:	:	;lc	:	+
8 TX 98D2106	:	:	:	:	:	:	0;	:	3	2a,9,10,11
9 G/F 92485E15	3	:	:	:	:	:	:	:	:	2a,11,26
10 VA 98W-591	:	:	:	:	:	3	:	:	:	24,+
11 VA 99W-200	3	;lc	;lc	3	3	;lc-3	3	3	3;	11,+
12 TX 97-167	;lc2	;lc	:	;lc	3	;lc	:	:	;lc	1,11,18,+
13 SC 952746	;lc	:	:	;lc	:	:	:	:	;lc	+
14 SC 960057	:	:	;lc	;lc2	;lcl	;lc	:	:	;lc3	+
15 MDV 71-19	;lc	:	:	:	:	:	;lc	:	:	+
16 G 09139	;lc	3	:	-	3	:	3lc;	;lc2	;lc	1,10,18,+
17 G 96330	:	3	:	3	3	:	3lc;	:	3	+
18 G 97066	32	3	3	3	3	3	3;	3-;	3	0
19 TX 98D2577	:	:	:	:	:	:	:	:	;lc-3	+
20 TX 99D4709	:	:	:	:	:	:	:	:	:	+
21 AW D98*9762	3	3	3	3	3	3	3	3	3	0
22 AW D98*9770	:	:	;lc	;lc	:	;lc	;2c	;2c	;2c	+
23 AW D98*9764	3	3	3	3	3	3	3	3	3	0
24 AW D98-9213	3	lc;	3-;	3	3-;	;lc-3	3	3	3	+
25 G/F 931241E16	:	:	:	:	:	:	:	;2c	;2c	+
26 G/F 931463E27	:	0;	:	:	:	:	:	:	3	+
27 G/F 93052E42	:	0;	:	:	:	:	:	3	3	9,+
28 F/G 931470E62	:	0;	:	:	:	:	:	3	3	9,+
29 F/G 931587	:	:	:	:	:	:	:	:	:	+
30 F/G 931233	:	2c;	:	;lc	;lc2	:	:	0;	:	+
31 B 961416	:	3	:	:	3-;	;lc;	:	:	:	1,10,18,+
32 B 970205	3	:	:	:	:	:	:	0-;	3	2a,+
33 B 971155	3	;lc2	;lc2	;lc	:	;lc	;lc	:	:	2a,11,26
34 LA 94242	:	:	:	:	:	:	:	:	:	+
35 LA 9397	:	:	:	:	:	:	:	:	3;	2a,9,10,11
36 LA 9354	:	;lc	:	;lc	:	:	:	:	3	2a,9,10,11
37 TN X-01-1	3	3	3	3	3	3	3	3-;	3	0
38 AR 910-9-1	3	;lc2	3	:	;2c2	:	;2c2	:	;-3	17,+
39 NC 98-2614	:	-	:	:	:	:	:	:	3	2a,9,10,11
40 NC 98-2619	:	:	:	:	:	:	:	:	3	2a,9,10,11

*Single genes tested = 1,2a,2c,3,3Ka,9,14a,16,17,18,26,24,30,B

**Virulence Formula:

SCJB = 1, 2a, 2c, 11, 17, 26
 LBBH = 1, 10, 18
 MBDS = 1, 3, 10, 14a, 17, B
 CBGG = 3, 10, 11
 LBGT = 1, 10, 11, 14a, 18, B

CDBB = 3,24
 MCRJ = 1,3,3Ka,10,11,14a,26,30
 CLGH = 3,9,10,11,18
 TLGJ = 1,2a,2c,3,9,10,11,14a

*** += Lr gene(s) present but unable to identify with these Lr virulence combinations

LEAF RUST

Blacksburg
VA

	TLGG02	TFPB02		TLGG02	TFPB02
1 Coker 9663	0;	0;			
2 AGS 2000	0;	;12	LR		
3 USG 3209	0;	;1	Differentials		
4 Pioneer 26R61	0;	;12-			
5 VA 98W-593	0;	0;	LR 1	S	S
6 AR 839-25-8-2	2;	;1/S	LR 2a	S	S
7 AR-LA 85411	2;	;12	LR 2c	S	S
8 TX 98D2106	23	0;	LR 3a	S	S
9 G/F 92485E15	0;	;1-	LR 9	S	OR
10 VA 98W-591	0;	3;	LR 16	;1-	23C
11 VA 99W-200	;1	;12	LR 24	0;	S
12 TX 97-167	S	;12	LR 26	0;	S
13 SC 952746	12;	;1	LR 3ka	23S	23
14 SC 960057	23	;1-	LR 11	S	12;
15 MDV 71-19	0;/TD	;1-	LR 17	;1	;12N
16 G 09139	NA	NA	LR 30	;1-	;12
17 G 96330	0;	S	LR 10	0;	S
18 G 97066	S	S	LR 18	S	;12
19 TX 98D2577	0;/TS	0;	LR 14a	S	S
20 TX 99D4709	0;	;12-	LR B	23	S
21 AW D98*9762	23	S			
22 AW D98*9770	S	;12			
23 AW D98*9764	23;	S			
24 AW D98-9213	S	3;			
25 G/F 931241E16	S	;1-			
26 G/F 931463E27	;2	0;			
27 G/F 93052E42	;1	0;			
28 F/G 931470E62	2;	0;			
29 F/G 931587E53	0;	0;			
30 F/G 931233E17	;12	;1			
31 B 961416	S	23;			
32 B 970205	S	;12			
33 B 971155	0;	23;			
34 LA 94242-D4-2	0;	;1-			
35 LA 9397D5-2-2	23	;1			
36 LA 9354D9-3-1	0;	;1			
37 TN X-01-1	S	S			
38 AR 910-9-1	3;	2;			
39 NC 98-26143	;23	;1/S			
40 NC 98-26192	0;	0;			

STEM RUST

St. Paul
MN

1	Coker 9663	---
2	AGS 2000	---
3	USG 3209	---
4	Pioneer 26R61	---
5	VA 98W-593	5MR
6	AR 839-25-8-2	40MS-S
7	AR-LA 85411	---
8	TX 98D2106	---
9	G/F 92485E15	---
10	VA 98W-591	5MR
11	VA 99W-200	---
12	TX 97-167	---
13	SC 952746	---
14	SC 960057	---
15	MDV 71-19	TR
16	G 09139	TR
17	G 96330	0
18	G 97066	TR
19	TX 98D2577	0
20	TX 99D4709	10MR
21	AW D98*9762	60S
22	AW D98*9770	40S
23	AW D98*9764	60S
24	AW D98-9213	60S
25	G/F 931241E16	60S
26	G/F 931463E27	60S
27	G/F 93052E42	60S
28	F/G 931470E62	TMR
29	F/G 931587E53	TR-MR
30	F/G 931233E17	---
31	B 961416	TR
32	B 970205	5MR-MS
33	B 971155	10MS
34	LA 94242-D4-2	---
35	LA 9397D5-2-2	---
36	LA 9354D9-3-1	---
37	TN X-01-1	40S
38	AR 910-9-1	60S
39	NC 98-26143	40MS-S
40	NC 98-26192	39MS-S

STEM RUST

St. Paul
MN

	80-MN- 633B TPMK	72-MEX- 52A RTQQ	99-EGY- 5B RRTS	69-MN- 399 QTHJ	98-UGA- 1A PTHS	01-TX- 27C TTTT	
1	Coker 9663	S	0	2=	0	0	S
2	AGS 2000	0;	2=	;	0	0	2=
3	USG 3209	1	2=	1	0	0	2=
4	Pioneer 26R61	1-	2=	2=	2=	2=	2=
5	VA 98W-593	;	2=	2=	2=	2=	2=
6	AR 839-25-8-2	2,;	S	2=	S	S	S
7	AR-LA 85411	2	;	2=,S	S	S	S
8	TX 98D2106	0	2-,S	2,S	2-	2-	S
9	G/F 92485E15	1	1-	;1	2=	2-	2=
10	VA 98W-591	1	;	;1	2=	2=	;1
11	VA 99W-200	S	;,S	S	2	S	S
12	TX 97-167	2-	2	2-	2	S	S
13	SC 952746	0	;	S	S	S	S
14	SC 960057	1	0	2	2-	2-	2
15	MDV 71-19	1	1-	1-	0	0	2=
16	G 09139	2=,S	0;	2=	0	0	2-2
17	G 96330	S	0;	2-,S	0;	;	S
18	G 97066	S	S	S	2	S	S
19	TX 98D2577	S	0;,S	2=	;1-	2	2-2
20	TX 99D4709	1	1-	2=	2-	2-	2=
21	AW D98*9762	2-	S	1	2-	S	22+
22	AW D98*9770	S	23	S	S	S	S
23	AW D98*9764	S,2	23	2-	S	S	S
24	AW D98-9213	S	S	S	S	S	S
25	G/F 931241E16	S	;	1	S	S	S
26	G/F 931463E27	S	;1n	2	S	S	S
27	G/F 93052E42	2	;1-n	2	2,S	S	S
28	F/G 931470E62	S	Xn	---	0	0	S
29	F/G 931587E53	2=	0;	1	2=	2=	2-
30	F/G 931233E17	2-,S	23c	2-	S	S	S
31	B 961416	2-	0	2=	0	0	2,S
32	B 970205	S	;1n	S	;1-	;1-	S
33	B 971155	2=	2=	;1	2=	2=	;1
34	LA 94242-D4-2	2-	;	1	2=/	2=	;1
35	LA 9397D5-2-2	2-	S	2	0	0	S
36	LA 9354D9-3-1	S	---	2	0	0	S
37	TN X-01-1	23	S	S	S	S	S
38	AR 910-9-1	23	X	S	S	S	S
39	NC 98-26143	23	;1n	S	S	S	S
40	NC 98-26192	2	0	2	2	S	S

STRIPE RUST

	Belle Mina AL	DeWitt AR	Fayetteville AR
	0-9	1-9	%
1 Coker 9663	3.0	4.3	56.7
2 AGS 2000	2.0	5.7	36.7
3 USG 3209	1.5	3.7	10.0
4 Pioneer 26R61	4.8	1.5	0.0
5 VA 98W-593	6.8	5.7	22.3
6 AR 839-25-8-2	3.8	1.4	0.7
7 AR-LA 85411	0.0	1.4	0.0
8 TX 98D2106	1.5	1.2	0.0
9 G/F 92485E15	0.0	6.2	50.0
10 VA 98W-591	1.5	2.9	10.0
11 VA 99W-200	0.0	2.5	0.0
12 TX 97-167	5.8	4.2	43.3
13 SC 952746	0.0	1.0	0.0
14 SC 960057	3.0	3.0	15.0
15 MDV 71-19	6.0	4.7	19.0
16 G 09139	4.5	7.7	50.0
17 G 96330	3.5	4.0	33.3
18 G 97066	1.5	4.5	2.3
19 TX 98D2577	3.5	2.0	5.0
20 TX 99D4709	1.5	2.0	0.7
21 AW D98*9762	0.0	4.8	36.7
22 AW D98*9770	1.5	5.2	43.3
23 AW D98*9764	0.0	4.5	43.3
24 AW D98-9213	0.0	4.3	8.0
25 G/F 931241E16	2.0	3.9	5.0
26 G/F 931463E27	3.5	6.5	63.3
27 G/F 93052E42	0.0	4.5	50.0
28 F/G 931470E62	1.5	5.4	15.0
29 F/G 931587E53	1.5	5.2	29.0
30 F/G 931233E17	0.0	1.2	0.0
31 B 961416	4.5	6.7	75.0
32 B 970205	1.5	6.3	70.0
33 B 971155	0.0	3.8	75.0
34 LA 94242-D4-2	3.0	4.7	36.7
35 LA 9397D5-2-2	3.0	6.4	56.7
36 LA 9354D9-3-1	4.0	4.5	43.3
37 TN X-01-1	4.0	6.3	73.3
38 AR 910-9-1	2.0	2.5	10.7
39 NC 98-26143	5.0	6.2	80.0
40 NC 98-26192	3.5	1.0	0.0
LOCATION MEANS	2.4	4.1	29.2
DATE / GROWTH STAGE			6-May

STRIPE RUST

	Pullman WA	Pullman WA	Pullman WA
	IT	%	Note
1 Coker 9663	8	30	MS
2 AGS 2000	8	60	S
3 USG 3209	8	30	MS
4 Pioneer 26R61	0	0	R
5 VA 98W-593	8	40	S
6 AR 839-25-8-2	2	2	R
7 AR-LA 85411	0	0	R
8 TX 98D2106	0	0	R
9 G/F 92485E15	8	70	S
10 VA 98W-591	8	40	S
11 VA 99W-200	0 or 8	0 or 10	Seg
12 TX 97-167	8	30	MS
13 SC 952746	0	0	R
14 SC 960057	8	40	S
15 MDV 71-19	8	50	S
16 G 09139	8	55	S
17 G 96330	8	30	MS
18 G 97066	5	20	MR
19 TX 98D2577	3	15	MR
20 TX 99D4709	0	0	R
21 AW D98*9762	8	40	S
22 AW D98*9770	8	60	S
23 AW D98*9764	8	40	S
24 AW D98-9213	8	20	MS
25 G/F 931241E16	8	20	MS
26 G/F 931463E27	8	75	S
27 G/F 93052E42	8	70	S
28 F/G 931470E62	2,8	2,45	Seg
29 F/G 931587E53	8	70	S
30 F/G 931233E17	2 or 8	15	MR
31 B 961416	8	50	S
32 B 970205	8	45	S
33 B 971155	8	80	S
34 LA 94242-D4-2	8,2	30,2	Seg
35 LA 9397D5-2-2	8	70	S
36 LA 9354D9-3-1	8	40	S
37 TN X-01-1	8	65	S
38 AR 910-9-1	2 or 8	5 or 25	Seg
39 NC 98-26143	8	70	S
40 NC 98-26192	2	5	R

LOCATION MEANS

DATE / GROWTH STAGE	5-Jul	5-Jul	5-Jul
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SEPTORIA

	Belle Mina AL leaf blotch 0-9	Bay AR 1-9	Kibler AR % green leaves	Romney IN 1-9	Lexington KY glume blotch 0-5
1 Coker 9663	3.0	6.3	31.7	4.5	2
2 AGS 2000	3.3	5.7	12.3	5.9	2
3 USG 3209	2.8	4.7	9.7	7.2	4
4 Pioneer 26R61	3.5	4.3	36.7	4.8	4
5 VA 98W-593	3.3	4.0	20.0	4.5	2
6 AR 839-25-8-2	4.0	4.3	25.0	4.8	3
7 AR-LA 85411	2.5	4.3	12.3	6.4	3
8 TX 98D2106	3.3	5.3	17.3	6.3	3
9 G/F 92485E15	4.0	6.3	8.0	5.7	3
10 VA 98W-591	2.8	4.0	30.0	4.8	2
11 VA 99W-200	4.0	4.7	3.7	6.6	2
12 TX 97-167	3.0	4.7	15.0	5.5	3
13 SC 952746	3.0	3.3	36.7	5.7	4
14 SC 960057	2.5	3.3	25.0	4.8	3
15 MDV 71-19	3.3	4.7	2.3	6.3	4
16 G 09139	4.0	5.3	0.0	7.0	3
17 G 96330	3.5	4.0	14.7	5.5	3
18 G 97066	3.0	5.3	12.3	6.2	4
19 TX 98D2577	3.5	6.3	3.7	7.0	4
20 TX 99D4709	4.0	6.3	2.0	8.0	3
21 AW D98*9762	3.0	4.3	12.3	6.6	4
22 AW D98*9770	2.5	5.0	12.3	6.4	4
23 AW D98*9764	3.0	4.7	12.3	6.3	3
24 AW D98-9213	4.0	3.0	15.0	6.1	4
25 G/F 931241E16	8.0	5.3	9.7	6.0	2
26 G/F 931463E27	4.0	5.3	5.3	5.9	2
27 G/F 93052E42	4.0	6.3	1.3	7.3	2
28 F/G 931470E62	2.8	5.7	0.7	7.2	3
29 F/G 931587E53	3.5	6.7	3.7	5.9	3
30 F/G 931233E17	3.5	4.3	25.0	6.3	2
31 B 961416	4.0	3.3	12.3	5.3	3
32 B 970205	2.0	5.0	9.7	5.1	3
33 B 971155	2.8	4.3	3.7	4.6	4
34 LA 94242-D4-2	2.8	5.0	9.7	5.2	3
35 LA 9397D5-2-2	1.5	5.0	7.3	5.1	4
36 LA 9354D9-3-1	4.5	6.0	12.3	4.5	2
37 TN X-01-1	2.5	5.3	9.7	3.8	2
38 AR 910-9-1	2.0	5.0	20.0	5.7	3
39 NC 98-26143	3.5	4.3	2.0	4.8	2
40 NC 98-26192	3.0	3.3	36.7	5.3	2
LOCATION MEANS	3.3	4.9	13.5	5.8	3.0
DATE / GROWTH STAGE			16-May		10.55

SEPTORIA

	Baton Rouge	Portageville	Cleveland
	LA	MO	MS
	0-9	% canopy	tritic 1-9
1 Coker 9663	2.0	50	7.0
2 AGS 2000	2.5	53	4.3
3 USG 3209	2.0	64	5.0
4 Pioneer 26R61	2.5	61	2.0
5 VA 98W-593	2.0	52	2.3
6 AR 839-25-8-2	2.5	61	2.0
7 AR-LA 85411	2.0	68	2.7
8 TX 98D2106	2.5	63	2.3
9 G/F 92485E15	4.0	54	4.0
10 VA 98W-591	1.5	50	2.0
11 VA 99W-200	2.0	65	4.0
12 TX 97-167	2.5	68	5.3
13 SC 952746	4.5	77	1.0
14 SC 960057	2.0	53	4.3
15 MDV 71-19	2.0	70	6.3
16 G 09139	2.5	79	7.0
17 G 96330	1.5	65	3.0
18 G 97066	2.5	72	5.0
19 TX 98D2577	3.5	60	7.0
20 TX 99D4709	5.0	79	7.0 SN
21 AW D98*9762	3.0	80	4.0 SN
22 AW D98*9770	3.0	68	2.3
23 AW D98*9764	2.5	81	4.3
24 AW D98-9213	3.0	56	2.3
25 G/F 931241E16	2.0	51	5.3
26 G/F 931463E27	4.0	69	5.7
27 G/F 93052E42	2.5	69	7.0
28 F/G 931470E62	3.0	69	6.0
29 F/G 931587E53	5.5	70	7.0
30 F/G 931233E17	4.5	60	5.7
31 B 961416	2.0	62	3.0
32 B 970205	3.0	63	4.3
33 B 971155	1.0	64	3.0
34 LA 94242-D4-2	4.5	65	2.3
35 LA 9397D5-2-2	2.0	57	4.0
36 LA 9354D9-3-1	3.5	70	5.3
37 TN X-01-1	1.5	79	5.3
38 AR 910-9-1	1.5	59	5.7
39 NC 98-26143	1.5	62	4.0
40 NC 98-26192	2.0	66	2.0
LOCATION MEANS	2.7	64.6	4.2
DATE / GROWTH STAGE			

FUSARIUM HEAD BLIGHT (SCAB)

	Delphi IN	Greensburg IN	Logan Co. KY
	# heads	1-5	0-5
1 Coker 9663	3	3.0	2
2 AGS 2000	3	4.5	2
3 USG 3209	4	3.3	2
4 Pioneer 26R61	4	4.5	2
5 VA 98W-593	4	1.5	2
6 AR 839-25-8-2	0	3.5	2
7 AR-LA 85411	8	4.0	2
8 TX 98D2106	2	2.0	2
9 G/F 92485E15	35	4.5	4
10 VA 98W-591	1	5.0	1
11 VA 99W-200	22	2.5	2
12 TX 97-167	25	4.5	2
13 SC 952746	2	3.0	2
14 SC 960057	3	4.0	2
15 MDV 71-19	10	3.5	3
16 G 09139	20	3.3	3
17 G 96330	4	3.0	2
18 G 97066	8	1.5	1
19 TX 98D2577	2	4.0	2
20 TX 99D4709	0	4.5	3
21 AW D98*9762	7	4.5	3
22 AW D98*9770	24	5.0	3
23 AW D98*9764	12	4.5	3
24 AW D98-9213	47	4.5	3
25 G/F 931241E16	62	4.0	2
26 G/F 931463E27	32	3.0	2
27 G/F 93052E42	100	5.0	3
28 F/G 931470E62	20	5.0	3
29 F/G 931587E53	35	3.0	2
30 F/G 931233E17	5	3.5	2
31 B 961416	11	2.5	3
32 B 970205	2	2.5	2
33 B 971155	2	4.0	2
34 LA 94242-D4-2	5	4.0	1
35 LA 9397D5-2-2	12	2.5	2
36 LA 9354D9-3-1	6	2.5	1
37 TN X-01-1	60	3.5	2
38 AR 910-9-1	3	3.0	2
39 NC 98-26143	4	2.8	3
40 NC 98-26192	0	2.5	1
LOCATION MEANS	15.2	3.5	2.2
DATE / GROWTH STAGE	17-Jun	11	10.55

POWDERY MILDEW

	Quincy FL	Griffin GA	Plains GA	Queenstown MD	Kinston NC
	0-9				
1 Coker 9663	1.7	1	5	6	7.0
2 AGS 2000	0.0	0	1	6	4.5
3 USG 3209	0.0	0	0	3	2.0
4 Pioneer 26R61	0.0	0	1	5	5.0
5 VA 98W-593	0.3	0	0	0	0.0
6 AR 839-25-8-2	1.7	3	0	7	6.0
7 AR-LA 85411	0.3	0	0	2	4.5
8 TX 98D2106	0.3	0	0	0	2.0
9 G/F 92485E15	0.7	0	0	1	6.0
10 VA 98W-591	0.0	0	0	0	0.0
11 VA 99W-200	1.0	0	0	3	6.0
12 TX 97-167	1.0	0	0	5	6.0
13 SC 952746	0.7	0	0	6	6.0
14 SC 960057	0.7	0	0	5	4.0
15 MDV 71-19	0.0	0	0	2	2.5
16 G 09139	2.7	3	5	7	6.5
17 G 96330	0.3	0	0	2	3.5
18 G 97066	0.3	0	0	5	3.5
19 TX 98D2577	0.3	0	0	4	4.5
20 TX 99D4709	3.3	3	0	9	6.0
21 AW D98*9762	3.7	3	0	8	7.5
22 AW D98*9770	2.0	0	0	7	6.0
23 AW D98*9764	3.0	3	0	7	7.0
24 AW D98-9213	2.3	0	0	6	5.5
25 G/F 931241E16	0.7	0	0	5	5.5
26 G/F 931463E27	0.3	0	0	6	6.5
27 G/F 93052E42	0.3	0	0	1	3.0
28 F/G 931470E62	0.7	0	0	0	1.0
29 F/G 931587E53	1.7	0	0	2	5.5
30 F/G 931233E17	1.0	0	0	4	5.0
31 B 961416	0.7	3	0	8	6.5
32 B 970205	0.7	0	0	4	4.0
33 B 971155	1.0	0	0	7	5.0
34 LA 94242-D4-2	1.0	0	0	3	4.0
35 LA 9397D5-2-2	2.3	7	0	9	7.0
36 LA 9354D9-3-1	0.7	0	0	5	4.5
37 TN X-01-1	0.3	0	0	5	5.0
38 AR 910-9-1	2.7	2	0	6	7.0
39 NC 98-26143	0.7	0	0	0	0.5
40 NC 98-26192	0.7	0	0	6	5.0
LOCATION MEANS	1.0	0.7	0.3	4.4	4.7
DATE / GROWTH STAGE	25-Mar	3-May	15-Apr		

POWDERY MILDEW

		Wooster OH	Florence SC	Warsaw VA
		0-9		0-9
1	Coker 9663	3.0	60	6
2	AGS 2000	3.3	5	2
3	USG 3209	2.0	0	1
4	Pioneer 26R61	2.0	20	4
5	VA 98W-593	1.0	0	0
6	AR 839-25-8-2	4.7	30	5
7	AR-LA 85411	1.7	10	4
8	TX 98D2106	2.3	0	0
9	G/F 92485E15	2.3	60	3
10	VA 98W-591	1.0	0	1
11	VA 99W-200	1.3	30	5
12	TX 97-167	2.3	30	3
13	SC 952746	2.7	20	4
14	SC 960057	1.7	5	3
15	MDV 71-19	1.3	0	1
16	G 09139	4.7	40	5
17	G 96330	2.3	10	2
18	G 97066	3.0	0	2
19	TX 98D2577	2.7	5	2
20	TX 99D4709	6.7	30	8
21	AW D98*9762	5.7	50	6
22	AW D98*9770	4.7	20	3
23	AW D98*9764	5.7	30	6
24	AW D98-9213	2.0	0	3
25	G/F 931241E16	2.0	10	2
26	G/F 931463E27	1.7	0	6
27	G/F 93052E42	3.3	0	1
28	F/G 931470E62	3.0	20	1
29	F/G 931587E53	1.0	20	3
30	F/G 931233E17	2.0	20	2
31	B 961416	2.7	20	6
32	B 970205	1.7	5	2
33	B 971155	2.7	20	3
34	LA 94242-D4-2	1.0	20	2
35	LA 9397D5-2-2	3.0	50	7
36	LA 9354D9-3-1	0.0	5	2
37	TN X-01-1	2.0	20	2
38	AR 910-9-1	4.7	60	7
39	NC 98-26143	1.0	0	0
40	NC 98-26192	2.7	10	3
LOCATION MEANS		2.6	18.4	3.2
DATE / GROWTH STAGE				

POWDERY MILDEW

Raleigh
NC

		ABK	Aso	E2-15	E3-14	F7-11
3	USG 3209	M	R	M	RM	RM
4	Pioneer 26R61	M	RM	M	R	R
16	G 09139	S	S	S	S	S
17	G 96330	S	S	S	S	S
18	G 97066	S	S	S	S	S
19	TX 98D2577	S	S	S	S	S
20	TX 99D4709	S	S	S	S	S
21	AW D98*9762	S	S	S	S	S
22	AW D98*9770	S	S	S	S	S
23	AW D98*9764	S	S	S	S	S
24	AW D98-9213	S	S	S	S	S
25	G/F 931241E16	S	S	S	S	S
26	G/F 931463E27	RS	M	RM	RM	RM
27	G/F 93052E42	R	M	M	RM	R
	Chancellor	S	S	S	S	S
28	F/G 931470E62	R	R	R	RS	R
29	F/G 931587E53	S	S	S	S	S
30	F/G 931233E17	S	S	S	S	S
31	B 961416	S	S	S	S	S
32	B 970205	S	S	S	S	S
33	B 971155	S	RM	S	S	S
34	LA 94242-D4-2	M	RM	RM	S	S
35	LA 9397D5-2-2	S	S	S	S	S
36	LA 9354D9-3-1	S	S	S	S	S
37	TN X-01-1	S	S	S	S	S
38	AR 910-9-1	S	S	S	S	R
39	NC 98-26143	M	R	R	M	R
40	NC 98-26192	S	S	S	S	S
	Chancellor	S	S	S	S	S

POWDERY MILDEW

Raleigh
NC

		F7-12	Mo10	Pm4	Yuma	WKin91
3	USG 3209	R	RM	R	R	R
4	Pioneer 26R61	R	RM	R	R	M
16	G 09139	S	S	S	S	S
17	G 96330	S	S	S	S	S
18	G 97066	S	S	S	S	S
19	TX 98D2577	S	S	S	S	S
20	TX 99D4709	S	S	S	S	S
21	AW D98*9762	S	S	S	S	S
22	AW D98*9770	S	S	S	S	S
23	AW D98*9764	S	S	S	S	S
24	AW D98-9213	S	S	S	S	S
25	G/F 931241E16	S	S	S	RS	S
26	G/F 931463E27	R	M	RS	R	M
27	G/F 93052E42	RM	R	RM	RM	RM
	Chancellor	S	S	S	S	S
28	F/G 931470E62	R	RM	RM	R	R
29	F/G 931587E53	S	S	M	S	S
30	F/G 931233E17	S	S	S	S	S
31	B 961416	S	S	S	S	S
32	B 970205	S	S	S	S	S
33	B 971155	M	M	M	RM	S
34	LA 94242-D4-2	RS	M	RM	RS	RS
35	LA 9397D5-2-2	S	S	S	S	S
36	LA 9354D9-3-1	S	S	S	S	S
37	TN X-01-1	S	S	S	S	S
38	AR 910-9-1	S	S	S	S	S
39	NC 98-26143	R	R	R	R	S
40	NC 98-26192	S	S	S	S	S
	Chancellor	S	S	S	S	S

POWDERY MILDEW

Raleigh
NC

	W72-27	3a	6	127	144
3 USG 3209	M	R	RM	S	S
4 Pioneer 26R61	R	RM	RM	M	M
16 G 09139	M	S	S	M	R
17 G 96330	R	S	S	RS	R
18 G 97066	S	S	S	S	RM
19 TX 98D2577	M	S	S	S	M
20 TX 99D4709	S	S	S	S	S
21 AW D98*9762	S	S	S	S	RS
22 AW D98*9770	S	S	S	S	S
23 AW D98*9764	S	S	S	S	S
24 AW D98-9213	R	S	S	R	R
25 G/F 931241E16	R	S	S	R	R
26 G/F 931463E27	R	RM	M	RM	R
27 G/F 93052E42	RM	RM	M	R	R
Chancellor	S	S	S	S	S
28 F/G 931470E62	R	R	R	R	R
29 F/G 931587E53	R	S	S	R	R
30 F/G 931233E17	S	S	S	M	S
31 B 961416	RM	S	S	M	M
32 B 970205	M	S	S	S	S
33 B 971155	M	M	S	S	S
34 LA 94242-D4-2	R	S	S	RM	R
35 LA 9397D5-2-2	RM	S	S	R	R
36 LA 9354D9-3-1	R	S	S	RM	R
37 TN X-01-1	R	S	S	RM	R
38 AR 910-9-1	M	S	S	M	M
39 NC 98-26143	R	R	R	RM	R
40 NC 98-26192	R	M	S	S	S
Chancellor	S	S	S	S	S

POWDERY MILDEW

Raleigh
NC

	85063	#5	#7	#8	#9
3 USG 3209	S	S	S	S	S
4 Pioneer 26R61	M	M	M	RM	R
16 G 09139	RM	R	S	RM	M
17 G 96330	R	R	S	R	S
18 G 97066	M	R	S	S	S
19 TX 98D2577	S	S	S	M	M
20 TX 99D4709	S	S	S	M	S
21 AW D98*9762	S	S	S	S	S
22 AW D98*9770	S	S	S	M	S
23 AW D98*9764	S	S	S	S	M
24 AW D98-9213	R	R	S	R	S
25 G/F 931241E16	R	R	S	R	S
26 G/F 931463E27	R	R	M	R	R
27 G/F 93052E42	R	R	RM	R	R
Chancellor	S	S	S	S	S
28 F/G 931470E62	R	R	R	R	R
29 F/G 931587E53	R	R	S	R	S
30 F/G 931233E17	S	M	S	S	S
31 B 961416	S	M	S	S	S
32 B 970205	S	M	S	S	S
33 B 971155	S	S	S	S	S
34 LA 94242-D4-2	R	R	S	M	S
35 LA 9397D5-2-2	R	R	S	R	S
36 LA 9354D9-3-1	R	R	S	R	RM
37 TN X-01-1	R	R	S	R	M
38 AR 910-9-1	R	R	S	S	M
39 NC 98-26143	RM	R	R	RM	R
40 NC 98-26192	S	S	S	S	S
Chancellor	S	S	S	S	S

POWDERY MILDEW

Raleigh
NC

		#10	43a1	43a2	73b2	101a2
3	USG 3209	S	R	R	R	S
4	Pioneer 26R61	M	R	RM	M	S
16	G 09139	M	S	S	M	S
17	G 96330	RM	S	S	M	R
18	G 97066	S	S	S	S	S
19	TX 98D2577	S	S	S	S	S
20	TX 99D4709	S	S	S	S	S
21	AW D98*9762	S	S	S	S	S
22	AW D98*9770	S	S	S	S	S
23	AW D98*9764	S	S	S	S	S
24	AW D98-9213	R	S	S	S	R
25	G/F 931241E16	R	S	S	S	R
26	G/F 931463E27	RS	RM	RM	RM	R
27	G/F 93052E42	RM	M	M	R	R
	Chancellor	S	S	S	M	S
28	F/G 931470E62	R	R	M	R	M
29	F/G 931587E53	RM	S	S	S	R
30	F/G 931233E17	S	S	S	S	M
31	B 961416	S	S	S	S	S
32	B 970205	S	S	RS	S	S
33	B 971155	S	.	S	S	S
34	LA 94242-D4-2	R	.	RS	S	M
35	LA 9397D5-2-2	R	.	S	S	R
36	LA 9354D9-3-1	R	S	S	S	R
37	TN X-01-1	.	S	S	S	R
38	AR 910-9-1	.	S	S	S	S
39	NC 98-26143	R	R	R	R	M
40	NC 98-26192	S	S	S	S	S
	Chancellor	S	S	S	S	S

POWDERY MILDEW

Raleigh
NC

	153a2	156b1	169-1b	209a2	216a
3 USG 3209	R	R	M	R	R
4 Pioneer 26R61	R	R	S	RM	R
16 G 09139	S	S	S	S	S
17 G 96330	S	S	R	S	S
18 G 97066	S	S	S	S	S
19 TX 98D2577	S	S	S	S	S
20 TX 99D4709	S	S	S	S	S
21 AW D98*9762	S	S	S	S	S
22 AW D98*9770	S	S	S	S	S
23 AW D98*9764	S	S	S	S	S
24 AW D98-9213	S	S	R	S	S
25 G/F 931241E16	S	S	R	S	S
26 G/F 931463E27	M	R	R	R	R
27 G/F 93052E42	M	R	M	R	R
Chancellor	S	S	S	S	S
28 F/G 931470E62	R	R	R	R	R
29 F/G 931587E53	S	S	R	S	M
30 F/G 931233E17	S	S	S	S	S
31 B 961416	S	S	S	S	S
32 B 970205	S	S	S	S	S
33 B 971155	M	M	S	S	S
34 LA 94242-D4-2	R	S	R	RS	R
35 LA 9397D5-2-2	S	S	R	S	S
36 LA 9354D9-3-1	S	S	R	S	S
37 TN X-01-1	S	S	R	S	S
38 AR 910-9-1	S	S	RS	S	S
39 NC 98-26143	M	R	R	R	R
40 NC 98-26192	S	S	S	S	S
Chancellor	S	S	S	S	S

POWDERY MILDEW

Blacksburg VA

		Warsaw0102	Roane02		Warsaw0102	Roane02
1	Coker 9663	4S	4S			
2	AGS 2000	23MSI	2MRI	PM		
3	USG 3209	2MRI	0R	Differentials		
4	Pioneer 26R61	3MS	0R			
5	VA 98W-593	0R	0R	PM1	0R	0R
6	AR 839-25-8-2	4S	4S	PM2	4S	4S
7	AR-LA 85411	4S	4S	PM3A	4S	4S
8	TX 98D2106	4S	4S	PM3B	34MS	0R
9	G/F 92485E15	4S	4S	PM3C	4S	34S
10	VA 98W-591	0R	0R	PM4A	4S	4S
11	VA 99W-200	4S	4S	PM4B	4S	4S
12	TX 97-167	4S	4S	PM5	4S	34S
13	SC 952746	3MS	34MS	PM6	4S	4S
14	SC 960057	23MSI	4S	PM7	4S	4S
15	MDV 71-19	12MRTS	0R/TS	PM8	3MS	0R
16	G 09139	NA	NA	PM17	0;R	0R
17	G 96330	4S	4S	MICHIGAN AMBER	4S	4S
18	G 97066	12MRI	3MS			
19	TX 98D2577	4S	4S			
20	TX 99D4709	4S	4S			
21	AW D98*9762	4S	4S			
22	AW D98*9770	4S	4S			
23	AW D98*9764	4S	4S			
24	AW D98-9213	34MS	4S			
25	G/F 931241E16	3MS	4S			
26	G/F 931463E27	12MR	0R			
27	G/F 93052E42	12MR	0R			
28	F/G 931470E62	1R	0R/TS			
29	F/G 931587E53	4S	3MS			
30	F/G 931233E17	2IMR	12MR			
31	B 961416	23IMS	3MS			
32	B 970205	4S	4S			
33	B 971155	23I	1R			
34	LA 94242-D4-2	23MSI	S/T0R			
35	LA 9397D5-2-2	4S	4S			
36	LA 9354D9-3-1	23IMS	23MSI			
37	TN X-01-1	4S	4S			
38	AR 910-9-1	4S	34S			
39	NC 98-26143	0R	0R			
40	NC 98-26192	34S	23MSI			

RHIZOCTONIA

Lafayette
IN

		1-5
1	Coker 9663	2
2	AGS 2000	3
3	USG 3209	2
4	Pioneer 26R61	2
5	VA 98W-593	2
6	AR 839-25-8-2	1
7	AR-LA 85411	2
8	TX 98D2106	1
9	G/F 92485E15	2
10	VA 98W-591	1
11	VA 99W-200	2
12	TX 97-167	2
13	SC 952746	2
14	SC 960057	3
15	MDV 71-19	2
16	G 09139	2
17	G 96330	2
18	G 97066	2
19	TX 98D2577	2
20	TX 99D4709	2
21	AW D98*9762	2
22	AW D98*9770	2
23	AW D98*9764	1
24	AW D98-9213	2
25	G/F 931241E16	3
26	G/F 931463E27	2
27	G/F 93052E42	2
28	F/G 931470E62	2
29	F/G 931587E53	2
30	F/G 931233E17	2
31	B 961416	2
32	B 970205	2
33	B 971155	2
34	LA 94242-D4-2	3
35	LA 9397D5-2-2	2
36	LA 9354D9-3-1	3
37	TN X-01-1	1
38	AR 910-9-1	2
39	NC 98-26143	2
40	NC 98-26192	1

LOCATION MEANS	2.0
DATE / GROWTH STAGE	6

TAKE-ALL

		Knoxville TN
		%
1	Coker 9663	6
2	AGS 2000	7
3	USG 3209	18.3
4	Pioneer 26R61	4.3
5	VA 98W-593	2.7
6	AR 839-25-8-2	22.3
7	AR-LA 85411	15.3
8	TX 98D2106	18.3
9	G/F 92485E15	10.3
10	VA 98W-591	6.7
11	VA 99W-200	12
12	TX 97-167	8.7
13	SC 952746	4
14	SC 960057	9.3
15	MDV 71-19	13.7
16	G 09139	14
17	G 96330	16.7
18	G 97066	8.7
19	TX 98D2577	27
20	TX 99D4709	4
21	AW D98*9762	3
22	AW D98*9770	9.3
23	AW D98*9764	9.3
24	AW D98-9213	20
25	G/F 931241E16	13.7
26	G/F 931463E27	8.3
27	G/F 93052E42	5.7
28	F/G 931470E62	15.3
29	F/G 931587E53	9.3
30	F/G 931233E17	12
31	B 961416	5.3
32	B 970205	3.7
33	B 971155	3.7
34	LA 94242-D4-2	6.7
35	LA 9397D5-2-2	6.7
36	LA 9354D9-3-1	4.3
37	TN X-01-1	3.7
38	AR 910-9-1	18.7
39	NC 98-26143	20.3
40	NC 98-26192	20.7
LOCATION MEANS		10.7

TAN SPOT

	Winfield KS
1 Coker 9663	5
2 AGS 2000	5
3 USG 3209	3
4 Pioneer 26R61	4
5 VA 98W-593	5
6 AR 839-25-8-2	6
7 AR-LA 85411	7
8 TX 98D2106	4
9 G/F 92485E15	5
10 VA 98W-591	6
11 VA 99W-200	7
12 TX 97-167	6
13 SC 952746	7
14 SC 960057	2
15 MDV 71-19	6
16 G 09139	7
17 G 96330	4
18 G 97066	6
19 TX 98D2577	8
20 TX 99D4709	8
21 AW D98*9762	6
22 AW D98*9770	6
23 AW D98*9764	6
24 AW D98-9213	5
25 G/F 931241E16	5
26 G/F 931463E27	3
27 G/F 93052E42	7
28 F/G 931470E62	6
29 F/G 931587E53	5
30 F/G 931233E17	5
31 B 961416	5
32 B 970205	5
33 B 971155	5
34 LA 94242-D4-2	5
35 LA 9397D5-2-2	5
36 LA 9354D9-3-1	5
37 TN X-01-1	3
38 AR 910-9-1	4
39 NC 98-26143	6
40 NC 98-26192	6
LOCATION MEANS	5.4

BYDV

	Belle Mina AL	Ft. Branch IN	Romney IN	Lexington KY	Kinston NC
	% plants affected	1-5	1-9	0-5	
1 Coker 9663	32.5	1.5	1.3	2	1.5
2 AGS 2000	7.5	2.5	3.0	1	1.5
3 USG 3209	25.0	2.5	1.7	2	1.5
4 Pioneer 26R61	65.0	2.5	3.0	2	2.5
5 VA 98W-593	50.0	4.0	3.0	4	1.0
6 AR 839-25-8-2	65.0	2.0	1.7	2	3.0
7 AR-LA 85411	45.0	3.5	5.7	2	3.5
8 TX 98D2106	50.0	2.5	0.3	2	2.5
9 G/F 92485E15	75.0	2.5	3.0	3	3.0
10 VA 98W-591	25.0	3.5	4.7	2	1.5
11 VA 99W-200	70.0	3.0	1.3	2	2.5
12 TX 97-167	35.0	4.0	2.0	3	2.0
13 SC 952746	55.0	3.5	6.0	4	4.0
14 SC 960057	20.0	2.5	4.3	4	3.0
15 MDV 71-19	65.0	4.5	2.7	4	2.0
16 G 09139	75.0	3.0	1.3	1	3.5
17 G 96330	50.0	3.0	3.0	2	1.5
18 G 97066	65.0	3.5	3.3	2	3.0
19 TX 98D2577	55.0	4.0	2.0	2	5.0
20 TX 99D4709	70.0	4.0	4.0	3	5.0
21 AW D98*9762	55.0	2.0	1.7	3	3.0
22 AW D98*9770	7.5	3.5	4.3	2	3.0
23 AW D98*9764	32.5	2.0	2.0	2	3.5
24 AW D98-9213	55.0	2.5	3.0	2	4.0
25 G/F 931241E16	72.5	3.5	2.7	2	2.0
26 G/F 931463E27	40.0	4.0	2.0	2	2.5
27 G/F 93052E42	97.0	5.0	1.3	3	2.5
28 F/G 931470E62	22.5	4.0	1.0	2	2.5
29 F/G 931587E53	70.0	4.5	2.7	3	2.5
30 F/G 931233E17	55.0	2.0	2.0	1	1.5
31 B 961416	32.5	2.0	0.0	1	0.5
32 B 970205	55.0	2.5	4.3	3	1.0
33 B 971155	50.0	2.5	1.0	3	2.0
34 LA 94242-D4-2	17.5	3.5	3.0	3	3.5
35 LA 9397D5-2-2	45.0	5.0	2.3	3	4.0
36 LA 9354D9-3-1	70.0	4.5	4.3	3	4.5
37 TN X-01-1	45.0	2.5	1.7	2	1.0
38 AR 910-9-1	25.0	3.0	1.3	2	1.5
39 NC 98-26143	65.0	2.0	2.3	2	1.5
40 NC 98-26192	65.0	2.5	2.0	2	2.5
LOCATION MEANS	49.4	3.1	2.6	2.4	2.6
DATE / GROWTH STAGE		10.5		10.5	

BYDV

	Blacksburg VA	Warsaw VA
	0-5	0-5
1 Coker 9663	0	2
2 AGS 2000	2	2
3 USG 3209	2	3
4 Pioneer 26R61	2	2
5 VA 98W-593	3	1
6 AR 839-25-8-2	1	2
7 AR-LA 85411	3	3
8 TX 98D2106	0	3
9 G/F 92485E15	1	2
10 VA 98W-591	1	1
11 VA 99W-200	1	2
12 TX 97-167	1	2
13 SC 952746	4	3
14 SC 960057	2	2
15 MDV 71-19	3	3
16 G 09139	1	3
17 G 96330	2	2
18 G 97066	2	3
19 TX 98D2577	1	2
20 TX 99D4709	0	2
21 AW D98*9762	1	2
22 AW D98*9770	4	2
23 AW D98*9764	3	2
24 AW D98-9213	2	2
25 G/F 931241E16	1	2
26 G/F 931463E27	3	3
27 G/F 93052E42	2	3
28 F/G 931470E62	2	4
29 F/G 931587E53	3	2
30 F/G 931233E17	1	2
31 B 961416	2	2
32 B 970205	2	2
33 B 971155	3	1
34 LA 94242-D4-2	4	2
35 LA 9397D5-2-2	3	2
36 LA 9354D9-3-1	3	3
37 TN X-01-1	1	1
38 AR 910-9-1	1	2
39 NC 98-26143	2	2
40 NC 98-26192	2	2
LOCATION MEANS	1.9	2.2
DATE / GROWTH STAGE	13-May	24-May

VIRUSES

	Clay Co. AR	Jackson Co. AR	Winfield KS
	spindle streak 0-9	spindle streak & soilborne mosaic 0-9	wheat streak mosaic
1	Coker 9663	4.3	7.0
2	AGS 2000	5.0	7.0
3	USG 3209	3.0	3.0
4	Pioneer 26R61	0.0	1.0
5	VA 98W-593	4.3	6.0
6	AR 839-25-8-2	0.0	3.0
7	AR-LA 85411	5.0	6.3
8	TX 98D2106	4.3	3.0
9	G/F 92485E15	5.0	8.0
10	VA 98W-591	0.0	2.0
11	VA 99W-200	4.3	3.7
12	TX 97-167	3.7	4.3
13	SC 952746	0.0	4.3
14	SC 960057	5.0	6.0
15	MDV 71-19	0.0	1.0
16	G 09139	4.3	3.7
17	G 96330	4.3	4.3
18	G 97066	4.3	3.7
19	TX 98D2577	5.0	3.0
20	TX 99D4709	3.0	6.0
21	AW D98*9762	0.0	5.0
22	AW D98*9770	3.7	1.7
23	AW D98*9764	0.0	3.7
24	AW D98-9213	0.0	1.0
25	G/F 931241E16	4.3	3.7
26	G/F 931463E27	5.0	3.7
27	G/F 93052E42	1.0	4.3
28	F/G 931470E62	4.3	3.7
29	F/G 931587E53	5.0	6.0
30	F/G 931233E17	3.7	3.0
31	B 961416	0.0	2.0
32	B 970205	3.0	3.7
33	B 971155	4.3	3.0
34	LA 94242-D4-2	6.0	7.0
35	LA 9397D5-2-2	2.0	3.0
36	LA 9354D9-3-1	6.0	8.0
37	TN X-01-1	0.0	2.0
38	AR 910-9-1	5.0	2.0
39	NC 98-26143	5.0	2.0
40	NC 98-26192	3.0	2.7
LOCATION MEANS		3.2	3.9
DATE / GROWTH STAGE		4-Apr	5-Apr

HESSIAN FLY

W. Lafayette
IN

		Biotype B	Biotype C	Biotype D	Biotype E	Biotype L
1	Coker 9663	0 - 15	7 - 7	5 - 8	3 - 6	0 - 13
2	AGS 2000	6 - 10	3 - 12	6 - 13	3 - 8	5 - 8
3	USG 3209	12 - 2	0 - 15	0 - 13	13 - 0	0 - 15
4	Pioneer 26R61	0 - 15	0 - 14	1 - 11	17 - 0	2 - 10
5	VA 98W-593	0 - 16	0 - 10	0 - 10	0 - 13	0 - 11
6	AR 839-25-8-2	0 - 10	1 - 13	0 - 16	0 - 11	0 - 13
7	AR-LA 85411	0 - 16	0 - 16	0 - 14	8 - 4	0 - 14
8	TX 98D2106	15 - 0	4 - 11	2 - 12		0 - 12
9	G/F 92485E15	0 - 16	0 - 14	0 - 15	13 - 0	0 - 10
10	VA 98W-591	0 - 15	8 - 12	1 - 7	2 - 12	0 - 12
11	VA 99W-200	16 - 1	0 - 16	0 - 16	10 - 2	1 - 15
12	TX 97-167	8 - 5	0 - 15	0 - 16	13 - 0	4 - 9
13	SC 952746	0 - 14	0 - 11	1 - 12	1 - 7	0 - 10
14	SC 960057	15 - 0	1 - 13	2 - 12	12 - 0	0 - 12
15	MDV 71-19	7 - 10	7 - 6	0 - 13	6 - 5	0 - 16
16	G 09139	0 - 16	0 - 16	0 - 17	0 - 13	0 - 15
17	G 96330	0 - 15	0 - 12	0 - 11	0 - 12	0 - 15
18	G 97066	14 - 0	5 - 5	0 - 12	14 - 0	1 - 13
19	TX 98D2577	0 - 16	0 - 12	0 - 17	0 - 10	0 - 11
20	TX 99D4709	0 - 15	2 - 9	0 - 5	0 - 8	0 - 11
21	AW D98*9762	0 - 15	0 - 16	0 - 12	2 - 11	0 - 16
22	AW D98*9770	0 - 18	0 - 17	0 - 14	0 - 16	0 - 11
23	AW D98*9764	1 - 16	0 - 15	0 - 11	1 - 10	0 - 15
24	AW D98-9213	0 - 19	0 - 15	0 - 15	0 - 15	0 - 15
25	G/F 931241E16	0 - 17	14 - 1	0 - 11	14 - 0	0 - 14
26	G/F 931463E27	0 - 15	4 - 8	0 - 14	0 - 15	0 - 15
27	G/F 93052E42	0 - 18	5 - 8	0 - 10	0 - 14	0 - 13
28	F/G 931470E62	0 - 15	6 - 7	0 - 14	0 - 12	0 - 10
29	F/G 931587E53	0 - 16	0 - 14	0 - 12	13 - 0	0 - 13
30	F/G 931233E17	0 - 17	0 - 14	0 - 14	2 - 13	0 - 17
31	B 961416	15 - 0	0 - 13	0 - 13	11 - 1	0 - 17
32	B 970205	14 - 1	11 - 9	0 - 17	15 - 0	0 - 17
33	B 971155	16 - 0	0 - 16	15 - 0	17 - 0	16 - 0
34	LA 94242-D4-2	0 - 8	0 - 12	0 - 10	0 - 10	0 - 9
35	LA 9397D5-2-2	0 - 10	0 - 13	0 - 17	0 - 12	0 - 17
36	LA 9354D9-3-1	0 - 9	0 - 4	0 - 5	0 - 5	0 - 10
37	TN X-01-1	0 - 15	6 - 9	0 - 14	0 - 17	0 - 16
38	AR 910-9-1	0 - 17	0 - 15	0 - 16	0 - 12	0 - 16
39	NC 98-26143	0 - 16	5 - 8	0 - 12	0 - 15	0 - 16
40	NC 98-26192	2 - 14	14 - 2	7 - 7	13 - 0	2 - 12

STAND

	Bay AR	Knoxville TN
	1-9	%
1 Coker 9663	2.0	81.7
2 AGS 2000	2.3	81.7
3 USG 3209	4.3	83.3
4 Pioneer 26R61	4.0	81.7
5 VA 98W-593	3.0	95.0
6 AR 839-25-8-2	3.3	80.0
7 AR-LA 85411	3.0	76.7
8 TX 98D2106	2.7	83.3
9 G/F 92485E15	4.0	90.0
10 VA 98W-591	4.0	90.0
11 VA 99W-200	4.3	86.7
12 TX 97-167	4.3	71.7
13 SC 952746	3.3	75.0
14 SC 960057	5.3	83.3
15 MDV 71-19	4.3	81.7
16 G 09139	4.7	80.0
17 G 96330	4.7	83.3
18 G 97066	5.3	65.0
19 TX 98D2577	4.7	88.3
20 TX 99D4709	5.7	81.7
21 AW D98*9762	4.7	86.7
22 AW D98*9770	5.0	83.3
23 AW D98*9764	4.7	70.0
24 AW D98-9213	4.7	76.7
25 G/F 931241E16	4.7	83.3
26 G/F 931463E27	4.0	73.3
27 G/F 93052E42	3.3	81.7
28 F/G 931470E62	2.0	80.0
29 F/G 931587E53	3.7	76.7
30 F/G 931233E17	2.7	83.3
31 B 961416	3.0	81.7
32 B 970205	2.7	81.7
33 B 971155	4.0	80.0
34 LA 94242-D4-2	4.0	80.0
35 LA 9397D5-2-2	3.0	85.0
36 LA 9354D9-3-1	5.0	68.3
37 TN X-01-1	3.7	85.0
38 AR 910-9-1	3.3	88.3
39 NC 98-26143	2.7	88.3
40 NC 98-26192	2.3	86.7
LOCATION MEANS	3.8	81.5
DATE / GROWTH STAGE		12-Apr

EARLY PLANT HEIGHT

		Warsaw VA
1	Coker 9663	8.3
2	AGS 2000	12.0*
3	USG 3209	10.2*
4	Pioneer 26R61	11.2*
5	VA 98W-593	6.3
6	AR 839-25-8-2	6.3
7	AR-LA 85411	7.7**
8	TX 98D2106	8.2
9	G/F 92485E15	10.8**
10	VA 98W-591	6
11	VA 99W-200	8.8***
12	TX 97-167	8.3
13	SC 952746	10.7**
14	SC 960057	8.7*
15	MDV 71-19	9.2*
16	G 09139	10.2*
17	G 96330	6.7
18	G 97066	8.2
19	TX 98D2577	9.8**
20	TX 99D4709	10.5***
21	AW D98*9762	9.7***
22	AW D98*9770	8.8***
23	AW D98*9764	8.5*
24	AW D98-9213	7.2
25	G/F 931241E16	7.7
26	G/F 931463E27	11.2*
27	G/F 93052E42	11.3*
28	F/G 931470E62	11.2*
29	F/G 931587E53	12.0*
30	F/G 931233E17	9.0*
31	B 961416	9.2
32	B 970205	8
33	B 971155	7.2
34	LA 94242-D4-2	11.7*
35	LA 9397D5-2-2	8.7***
36	LA 9354D9-3-1	11.8***
37	TN X-01-1	6.2
38	AR 910-9-1	11.0*
39	NC 98-26143	7
40	NC 98-26192	8.5
DATE / GROWTH STAGE		8-Mar

GROWTH HABIT

		Baton Rouge LA	Baton Rouge LA	Baton Rouge LA	Cleveland MS
		uniformity 0-9	phenotype 0-9	growth stage 0-9	growth habit
1	Coker 9663	2.0	4.0	5.0	e/se
2	AGS 2000	2.0	2.8	6.0	e
3	USG 3209	2.0	2.8	5.0	e/se
4	Pioneer 26R61	2.0	3.0	5.5	se/e
5	VA 98W-593	3.0	4.0	3.5	p
6	AR 839-25-8-2	2.0	3.3	3.5	p
7	AR-LA 85411	2.0	3.3	5.0	se
8	TX 98D2106	3.0	5.0	3.5	p/se
9	G/F 92485E15	2.0	3.8	6.0	e/se
10	VA 98W-591	4.0	5.3	2.0	se
11	VA 99W-200	2.0	2.8	8.0	se
12	TX 97-167	3.0	5.0	4.5	p/se
13	SC 952746	2.0	5.0	6.5	e/se
14	SC 960057	3.0	4.5	4.0	se
15	MDV 71-19	5.5	4.0	1.0	se
16	G 09139	2.5	4.8	3.5	se
17	G 96330	4.5	5.8	1.0	p
18	G 97066	4.5	5.8	2.0	se/p
19	TX 98D2577	2.5	4.0	3.5	se/p
20	TX 99D4709	2.5	4.8	7.5	se
21	AW D98*9762	2.0	2.0	5.5	e/se
22	AW D98*9770	2.0	3.0	6.0	e/se
23	AW D98*9764	5.0	4.0	4.0	se
24	AW D98-9213	2.5	3.5	1.0	p
25	G/F 931241E16	2.0	3.8	4.5	se
26	G/F 931463E27	2.0	3.3	5.5	se
27	G/F 93052E42	2.0	3.3	7.0	e/se
28	F/G 931470E62	2.5	3.3	7.0	e
29	F/G 931587E53	2.0	3.8	6.0	e
30	F/G 931233E17	2.0	4.0	4.5	se
31	B 961416	4.0	6.3	2.0	se
32	B 970205	2.0	3.8	5.0	p/se
33	B 971155	3.0	5.5	1.0	se/p
34	LA 94242-D4-2	4.0	4.8	8.0	very e
35	LA 9397D5-2-2	2.0	2.5	8.0	se
36	LA 9354D9-3-1	3.5	5.0	7.5	very e
37	TN X-01-1	1.5	5.5	1.0	p
38	AR 910-9-1	2.0	2.8	6.5	se
39	NC 98-26143	2.0	4.3	3.5	p/se
40	NC 98-26192	2.0	3.8	4.0	se/p
LOCATION MEANS		2.7	4.1	4.6	
DATE / GROWTH STAGE				28-Feb	25-Feb

1RS STATUS

Lincoln
NE

1	Coker 9663	Non.1RS
2	AGS 2000	1BL.1RS
3	USG 3209	1BL.1RS
4	Pioneer 26R61	1BL.1RS
5	VA 98W-593	1AL.1RS
6	AR 839-25-8-2	Non.1RS
7	AR-LA 85411	Non.1RS
8	TX 98D2106	Non.1RS
9	G/F 92485E15	1BL.1RS
10	VA 98W-591	1AL.1RS
11	VA 99W-200	Non.1RS
12	TX 97-167	Non.1RS
13	SC 952746	Non.1RS
14	SC 960057	Non.1RS
15	MDV 71-19	1BL.1RS
16	G 09139	Non.1RS
17	G 96330	Non.1RS
18	G 97066	Non.1RS
19	TX 98D2577	Non.1RS
20	TX 99D4709	Non.1RS
21	AW D98*9762	Non.1RS
22	AW D98*9770	Non.1RS
23	AW D98*9764	Non.1RS
24	AW D98-9213	Non.1RS
25	G/F 931241E16	Non.1RS
26	G/F 931463E27	Non.1RS
27	G/F 93052E42	Non.1RS
28	F/G 931470E62	Non.1RS
29	F/G 931587E53	1BL.1RS
30	F/G 931233E17	Non.1RS
31	B 961416	Non.1RS
32	B 970205	Non.1RS
33	B 971155	1BL.1RS
34	LA 94242-D4-2	1BL.1RS
35	LA 9397D5-2-2	Non.1RS
36	LA 9354D9-3-1	Non.1RS
37	TN X-01-1	Non.1RS
38	AR 910-9-1	Non.1RS
39	NC 98-26143	Non.1RS
40	NC 98-26192	Non.1RS

**2002 Crop
Advanced Nursery Evaluation**

Samples were composited from five nursery locations: Griffin, GA; DeWitt, AR; Keiser, AR; Blacksburg, VA; and Mississippi.

Entries #2501 - #2540
MBQ - USN Entries

The forty entries in the MBQ nursery were compared to #2502, AGS 2000.

	Standard	Data-base	Nursery Mean	Data-base Mean
Test Weight	61.4	63.3	60.61	59.75
Softness Equivalent	59.0	52.64	57.11	57.81
Flour Yield	74.1	73.28	71.30	71.12
Flour Protein	9.74	9.31	9.64	8.63
A.W.R.C.	59.0	55.79	58.42	56.34
Cookie Diameter	17.31	17.98	17.49	17.77
Top Grain	3	5	3	4
Adj. Lactic Acid Retention	102.4	107.61	68.92	103.11

When compared to the historical data for AGS 2000, based on data from two Quad-Jr. Millings, The standard was much higher in Softness Equivalent (59.0% vs. 55.8%). The cookie diameter was also .7 cm. Smaller (17.3 cm. Vs. 18.0 cm.).

High S.E. indicates fine granularity, a good quality attribute. However, small cookie diameter and high A.W.R.C. are negative Baking Quality attributes.

When the nursery mean is compared to the data-base mean (from 280 cultivars), high A.W.R.C. and small cookies are typical of the nursery.

Not one entry scored higher than the standard for Milling Quality Score, and only one entry, #2537, (TN X-01-1), had a Milling Quality Score of "B".

Entries scoring below AB@ for Milling Quality Score were given AQ@ notations for low flour yields, indicating flour yields below 72.54%. A 72.5% flour yield is still higher than the data-base mean of 71.12%.

Milling Quality Scores of “D” or lower would have a flour yield below 71.0%

The standard was lenient for A.W.R.C. and cookie diameter, both Baking Quality characteristics, so the Baking Quality Scores were high:

A = 23 entries

B = 7 entries

C = 4 entries

D = 2 entries

E = 1 entry

F = 3 entries

All “B” entries, except #2501 (COKER 9663), had A.W.R.C. values above 60.0 %.

ADVANCED NURSERY EVALUATION FOR SOFT WHEAT MILLING AND BAKING QUALITY

STD = #2502, AGS2000

LAB NO.			MILLING QUALITY SCORE		BAKING QUALITY SCORE		COMBINED QUALITY SCORE		MICRO T.W. LB/BU	SOFT. EQUIV. %		
		STANDARD	100.0	A	100.0	A	100.0	A	61.4	59.0		
2501	1	Coker 9663	86.6	D	97.0	B	86.6	D	59.6	*	54.5	*
2502	2	AGS 2000	100.0	A	99.9	A	99.9	A	61.4		59.0	
2503	3	USG 3209	82.5	E	78.3	F	78.3	F	60.4		55.5	*
2504	4	Pioneer 26R61	86.8	D	94.0	C	86.8	D	61.9		55.3	*
2505	5	VA 98W-593	86.3	D	87.2	D	86.3	D	62.4		54.8	*
2506	6	AR 839-25-8-2	93.6	C	102.2	A	93.6	C	60.4		54.8	*
2507	7	AR-LA 85411	92.6	C	105.9	A	92.6	C	61.2		57.7	
2508	8	TX 98D2106	76.5	F	81.8	E	76.5	F	60.6		49.7	Q
2509	9	G/F 92485E15	88.2	D	91.5	C	88.2	D	61.8		56.0	
2510	10	VA 98W-591	87.8	D	93.7	C	87.8	D	61.9		58.7	
2511	11	VA 99W-200	89.9	D	107.1	A	89.9	D	61.1		58.9	
2512	12	TX 97-167	89.0	D	95.2	B	89.0	D	60.8		60.2	
2513	13	SC 952746	87.1	D	30.7	F	30.7	F	61.1		42.0	Q
2514	14	SC 960057	88.4	D	101.4	A	88.4	D	58.5	Q	53.7	*
2515	15	MDV 71-19	89.8	D	98.1	B	89.8	D	60.6		60.3	
2516	16	G 09139	86.6	D	99.8	B	86.6	D	60.0	*	58.2	
2517	17	G 96330	80.9	E	104.5	A	80.9	E	59.9	*	55.8	*
2518	18	G 97066	86.9	D	104.9	A	86.9	D	61.4		56.3	
2519	19	TX 98D2577	85.9	D	105.4	A	85.9	D	60.3		56.7	
2520	20	TX 99D4709	72.8	F	74.3	F	72.8	F	59.5	*	54.4	*
2521	21	AW D98*9762	91.7	C	106.1	A	91.7	C	59.5	*	60.3	
2522	22	AW D98*9770	92.0	C	107.5	A	92.0	C	60.5		59.0	
2523	23	AW D98*9764	89.4	D	106.4	A	89.4	D	59.2	*	57.8	
2524	24	AW D98-9213	90.3	C	108.3	A	90.3	C	60.3		59.8	
2525	25	G/F 931241E16	90.2	C	108.6	A	90.2	C	61.5		61.6	
2526	26	G/F 931463E27	85.7	D	106.7	A	85.7	D	60.1	*	58.1	
2527	27	G/F 93052E42	87.3	D	106.7	A	87.3	D	59.7	*	58.1	
2528	28	F/G 931470E62	87.9	D	104.5	A	87.9	D	61.6		55.8	
2529	29	F/G 931587E53	84.3	E	93.8	C	84.3	E	59.8	*	57.7	
2530	30	F/G 931233E17	88.1	D	105.8	A	88.1	D	61.6		57.2	
2531	31	B 961416	86.2	D	107.1	A	86.2	D	60.7		58.6	
2532	32	B 970205	91.6	C	99.0	B	91.6	C	61.7		59.6	
2533	33	B 971155	80.5	E	97.9	B	80.5	E	60.1	*	58.7	
2534	34	LA 94242-D4-2	83.5	E	88.8	D	83.5	E	61.3		51.1	Q
2535	35	LA 9397D5-2-2	89.6	D	108.0	A	89.6	D	59.6	*	59.5	
2536	36	LA 9354D9-3-1	84.8	E	100.1	A	84.8	E	59.7	*	57.2	
2537	37	TN X-01-1	95.2	B	99.5	B	95.2	B	59.9	*	64.3	
2538	38	AR 910-9-1	93.3	C	106.1	A	93.3	C	60.5		57.5	
2539	39	NC 98-26143	90.0	C	108.4	A	90.0	C	60.1	*	59.9	
2540	40	NC 98-26192	91.2	C	108.5	A	91.2	C	62.0		60.1	

ADVANCED NURSERY EVALUATION FOR SOFT WHEAT MILLING AND BAKING QUALITY

STD = #2502, AGS2000

LAB NO.			FLOUR (YIELD %		FLOUR PROT. %	MICRO AWRC %	COOKIE DIAM. CM.	TOP GR.	LACTIC ACID RET'N
		STANDARD	74.1		9.74	59	17.31	3	102.4
2501	1	Coker 9663	71.5	Q	9.15	56.725	17.25	4	111.6
2502	2	AGS 2000	74.1		9.74	59.035	17.31	3	102.5
2503	3	USG 3209	70.2	Q	9.48	62.693	16.88	3	108.4
2504	4	Pioneer 26R61	71.2	Q	10.48	57.704	17.08	4	109.8
2505	5	VA 98W-593	71.1	Q	9.07	60.767	17.10	3	121.4
2506	6	AR 839-25-8-2	73.3	*	9.71	57.54	17.48	3	110.8
2507	7	AR-LA 85411	72.4	Q	9.50	58.14	17.61	4	125.1
2508	8	TX 98D2106	69.6	Q	11.06	57.396	16.76	3	103.9
2509	9	G/F 92485E15	71.5	Q	10.30	59.465	17.10	2	107.4
2510	10	VA 98W-591	70.9	Q	9.49	60.297	17.18	4	121.5
2511	11	VA 99W-200	71.5	Q	8.94	58.097	18.11	5	119.1
2512	12	TX 97-167	71.1	Q	10.00	60.702	17.23	2	134.0
2513	13	SC 952746	73.6		9.29	65.205	15.56	2	99.8
2514	14	SC 960057	72.3	Q	10.02	57.135	17.49	4	104.4
2515	15	MDV 71-19	71.3	Q	10.06	62.301	17.70	4	101.6
2516	16	G 09139	70.9	Q	10.09	56.832	17.22	3	124.6
2517	17	G 96330	69.8	Q	9.52	56.984	17.55	3	118.6
2518	18	G 97066	71.1	Q	9.26	56.541	17.60	4	110.6
2519	19	TX 98D2577	70.9	Q	10.11	56.572	17.73	4	122.9
2520	20	TX 99D4709	67.9	Q	11.03	58.533	16.27	2	136.5
2521	21	AW D98*9762	71.9	Q	9.19	58.645	17.49	4	128.4
2522	22	AW D98*9770	72.1	Q	9.26	57.046	17.54	2	137.7
2523	23	AW D98*9764	71.8	Q	9.34	56.545	17.78	5	120.8
2524	24	AW D98-9213	71.6	Q	9.09	55.921	18.40	6	118.9
2525	25	G/F 931241E16	71.1	Q	9.00	58.531	17.61	4	119.1
2526	26	G/F 931463E27	70.6	Q	9.11	55.528	18.03	5	105.4
2527	27	G/F 93052E42	71.1	Q	9.35	55.27	18.46	5	103.9
2528	28	F/G 931470E62	71.4	Q	9.55	54.358	17.73	4	111.7
2529	29	F/G 931587E53	70.4	Q	9.97	62.272	17.45	3	96.9
2530	30	F/G 931233E17	71.2	Q	8.89	57.007	17.77	3	112.5
2531	31	B 961416	70.6	Q	9.86	57.967	17.96	4	100.0
2532	32	B 970205	71.8	Q	8.48	61.689	17.76	4	107.6
2533	33	B 971155	69.2	Q	10.04	60.789	17.43	2	98.0
2534	34	LA 94242-D4-2	71.1	Q	10.71	59.085	17.15	1	98.4
2535	35	LA 9397D5-2-2	71.5	Q	9.72	54.281	18.11	4	120.2
2536	36	LA 9354D9-3-1	70.6	Q	10.21	59.883	17.49	2	95.6
2537	37	TN X-01-1	72.1	Q	8.62	62.238	17.74	3	105.3
2538	38	AR 910-9-1	72.7	*	9.39	56.815	18.01	5	111.7
2539	39	NC 98-26143	71.5	Q	9.37	57.19	17.90	5	103.6
2540	40	NC 98-26192	71.6	Q	10.08	57.086	17.71	2	109.0