2005 SMALL GRAIN PERFORMANCE TRIALS & RESEARCH REPORTS

LAES Research
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This support is greatly appreciated.

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Performance of Small Grain Varieties in Louisiana, 2004-05

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INTRODUCTION

Small grain variety trials are conducted annually by scientists of the Louisiana Agricultural Experiment Station (LAES) to evaluate grain yield, agronomic performance, and disease reaction of varieties and advanced lines. The trials are conducted at seven LAES research stations representative of the major soil and climate regions of the state (map). Entries are included in the trials based upon previous performance or at the request of the originating agency. Inclusion of an entry in the trials does not constitute an endorsement by the LAES. The 2005 statewide wheat performance trials included 70 varieties (bold font) and experimental lines (normal font).

Data from these trials are used by a committee of scientists from the Louisiana Cooperative Extension Service (LCES) and the LAES to make variety recommendations published by the LCES. Recommendations are based on the relative performance of an entry for two years within a region (North Louisiana or South Louisiana). New entries in the statewide trials are tested at all locations, but may be dropped from a region if they show little potential in that area. South Louisiana consists of the Baton Rouge, Crowley, and Jeanerette locations; whereas North Louisiana consists of locations at Alexandria, Bossier City, St. Joseph, and Winnsboro. Data from the Jeanerette and St. Joseph locations was discarded due to poor stands and high variability that resulted from heavy rainfall after planting. When choosing varieties, growers should consult their local LCES agents and the variety should be chosen from the list of recommended varieties for a given region (north or south Louisiana). Growers should also consider specific data from the LAES variety trial location that most closely match the weather and soil conditions of their farm and should avoid growing a single variety on a large acreage. Growing several varieties will help ensure that the entire crop is not severely damaged by chance occurrences in weather or by shifts in pathogen races or virulence patterns. Yield, test weight, maturity, and disease resistance are important traits to consider when selecting varieties. If a grower plans to plant wheat early, he should avoid varieties that have a very early heading date to reduce the danger of freeze damage.

Specific management and cultural practices for a location are presented at the bottom of the tables, along with unusual or key observations about that test. Rainfall and temperature information for each location is presented in Figure 1. All plots were seeded at the recommended rate with seed provided by the originating agency or company (Appendix A).

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2 Research Associate, Associate Professor, and Associate Professor , respectively, Northeast Research Station, St. Joseph.
3 Assistant Professor, and Research Associates. Rice Research Station, Crowley.
4 Professor, Research Associate, and Professor. Red River Research Station, Bossier City.
5 Research Associate, and Associate Professor. Dean Lee Research Station, Alexandria.
6 Research Associate, and Professor. Iberia Research Station, Jeanerette.

Characters Evaluated and Statistics Reported:

Data are collected on grain yield, test weight, heading and maturity dates, plant height, lodging, and disease reaction, as appropriate at each location. Grain yield was adjusted to 13% moisture. **Least significant differences (LSD's)** are reported at the 10% probability level. An LSD of 10% probability (α=0.10) is the level of difference in a trait that occurs between two varieties once in every 10 comparisons as a result of random chance due to greater soil fertility, better drainage, slightly greater harvest length, or any other "uncontrollable or unmeasurable factors," even if the varieties had the same genetic yield potential. If the LSD (0.10) for yield in a trial is 7.0 bu/a, there is a 10% chance that two varieties with a reported yield difference of 7.0 bu/acre are genetically equal and a 90% probability they have differences in genetic potential in that particular environment. LSD values are influenced by the degree of precision that soil fertility, stand establishment, plot length, harvest efficiency, and other variables of the trials are controlled, and by the number of replications of each variety or treatment. The letters '**ns**' are used in the text and tables to indicate lack of significance (**not significantly different**) at the 10% probability level. Correlations are sometimes given to indicate the degree to which two traits, such as rust rating and yield, are related. A correlation between rust rating and yield of r= -1.0 would indicate that for every unit increase in rust there was a proportional decrease in yield.

Wheat leaf rust (*Puccinia triticina*), stripe rust (*Puccinia striiformis*), and oat crown rust (*Puccinia coronata*) are reported as percentage of the upper three leaves affected by the disease. Two replications are evaluated for leaf rust, between flowering and the early dough stage of kernel development. Wheat and oat stem rust (*Puccinia graminis*) are reported on a scale of 0-9, where a 0 indicates no disease and a 9 indicates that the plant was killed by the disease. Stem rust is normally rated somewhat later than leaf rust.

Bacterial streak (*Xanthomonas campestris* pv. *translucens*), Septoria leaf (*Mycosphaerella graminicola*) and glume blotch (*Leptosphaeria nodorum*) are rated on a scale of 0 to 9 during the dough stage of development. A rating of 0 indicates that no disease was present, while a 9 indicates very severe disease. The upper few leaves, heads, and stems below the head are the portions rated for these two diseases. Since bacterial streak (black chaff) is not controlled by fungicides, it is important that the disease be distinguished from septoria blotch. Heading day is given as calendar day (day of year). Lodging is rated on a 0-9 scale, where a 0 indicates that all plants were completely upright.

Traits and Rating Scales for LAES Wheat and Oat Performance Trials.		
Trait	**Abbreviation**	**Description**
Yield	Yield	Grain yield in bushels per acre adjusted to 13% moisture.
Test weight	Test wt	Volume weight of grain in pounds per bushel
Heading day	Head day	Day of calendar year (days after December 31) until 50% heading.
Plant height	Ht	Plant height in inches.
Lodging rating	Lod	Lodging rated on a scale of 0 - 9, where a 0 indicates no lodging and a 9 indicates complete lodging (all plants flat).
Leaf rust	Leaf rust	Percent of upper two leaves affected by leaf rust, rated during grain fill. This rating is generally taken during soft to mid-dough, but varies somewhat by location and variety.
Stripe rust	Stripe rust	Percent of upper two leaves affected by leaf rust, rated between flag leaf and mid grain fill.
Septoria	Sept	Septoria leaf & glume blotch rated on a scale of 0 - 9, where 0 indicates no disease and 9 indicates severe disease on the flag leaf and head.
Bacterial Streak	Bact	Bacterial streak (black chaff) rated on a scale of 0 - 9, where 0 indicates no disease and 9 indicates severe disease on the flag leaf and head.
Powdery mildew	Powd mild	Powdery mildew rating on a scale of 0 - 9, where 0 indicates no disease. Rated in early to mid spring.
Phenotype	Phe	Phenotypic rating, an overall visual rating prior to harvest. 0=excellent, 9=poor. This rating is a visual rating of 'eye-appeal'.

Growing Conditions and General Comments for 2004-2005:

The fall was generally favorable for planting (Figure 1a - 1f) but heavy rains fell in late fall and early winter. With a wet beginning and drier end, winter average rainfall was normal. Overall, the spring was dry throughout the state. Temperatures were slightly above normal. The wheat trials at Crowley and St Joseph had thin and variable stands that resulted from heavy rainfall, which lowered grain yields and led to data with high variation that was not useable. Similar results occurred with the oat trials at Bossier City. The wheat trials at Alexandria, Baton Rouge, and Winnsboro were excellent, while those at Bossier City and Crowley were acceptable but with higher than normal CV's. Oat trials at Winnsboro and Baton Rouge were good.

RESULTS AND DISCUSSION

PERFORMANCE OF WHEAT VARIETIES ACROSS SOUTH LOUISIANA:

South Region Means:

Performance of wheat varieties tested across south Louisiana in 2005 is shown in Table 1. Bold print in all tables indicates that the entry is a released variety and normal print indicates that the entry is a breeding line that is not commercially available. LA9560CA22-1 (89.9 bu/acre) and LA95181BUB40-1 (86.3 bu/acre) were the two highest-yielding entries. DK GR9108 (86.0 bu/acre) and Terral LA841 (81.7 bu/acre) were the highest-yielding released varieties, followed by Pioneer/26R61 and Coker 9152. The average yield of 64 entries was 65.2 bu/acre and the average test weight was 57.6 lbs/bu. Test weights ranged from 47.1 to 61.4 lbs/bu and disease pressure was moderate. The average stripe rust rating was 6% and the average leaf rust rating was 9%. There was little septoria leaf or glume blotch due to limited rainfall during grainfill.

DK GR9108 and Terral LA841 have the highest two-year mean yields (85.1 & 82.4 bu/acre) of released varieties across south Louisiana (Table 2). Three LA breeding lines also yielded over 80 bu/acre. The average yield of 36 entries tested for two years (3 environments) across south Louisiana is 66.7 bu/acre and the average test weight is 57.9 lbs/bu.

AgriPro/Panola has the highest three-year mean yield (79.8 bu/acre) across south Louisiana (Table 3) of 21 entries. Terral LA841 and DK 1551W also have mean yields greater than 75 bu/acre. The average test weight is 57.5 lbs/bu. The five highest-yielding entries have stripe rust incidence of less than 5%.

Baton Rouge:

Pioneer/26R61, Terral LA841, and DK GR9108 were the highest-yielding varieties at Baton Rouge for 2005 (Table 4). The highest-yielding entries were LA95181BUB40-1 and LA9560CA22-1 breeding lines. The average yield of 64 entries is 66.7 bu/acre and the average test weight is 59.0 lbs/bu. April was very dry in Baton Rouge which resulted in low disease pressure and excellent test weights. Nine entries had test weights greater than 61 lbs/bu, led by USG3350 (63.0 lbs/bu) and Pioneer/26R61 (62.1 lbs/bu). Disease pressure was moderate, with an average stripe rust rating of 6% and a high of 45%. The average leaf rust rating was 8% with a high of 50%. The 11 highest-yielding entries had stripe and leaf rust ratings of less than 2% and headed out between days 84 and 97. This is in contrast with the 24 lowest-yielding entries which generally had high disease ratings and late heading dates.

Crowley:

The Crowley test produced good yields despite heavy rainfall and waterlogged conditions in the fall and early winter. One replication of the test was abandoned (low end of field) and several entries had a second replication of missing data. Stands were estimated in mid winter and all plots with less than a 60% estimated stand were discarded. The yields include two columns of data, the actual mean and a “LS mean”.

Least Square Mean is a statistical estimate that takes into account the missing or unbalanced data. Actual means were used in recommendations and across test means tables. DK GR9108 was the highest-yielding (87.8 bu/acre) variety at Crowley, followed by NK/Coker 9152 and USG 3592 which also yielded more than 80 bu/acre.

Fusarium Headblight (FHB, scab) was severe at Crowley. The average FHB rating of 64 entries was only 1.8, but eight entries had FHB scores of 5.0 or greater, where a "0" indicates no disease and a "9" indicates very severe head scab. All of the highly diseased entries had heading dates between 72 and 79 days. FHB infects the wheat heads during flowering and conditions were favorable for infection at the time these entries were flowering. Entries that were earlier or later had reduced levels of FHB. The average leaf rust rating was 10% and 7 entries had at least 40% leaf rust. Minimal levels of stripe rust occurred at the Rice Research Station.

Jeanerette:

The trial at Jeanerette was lost to heavy rainfall and poor stands.

PERFORMANCE OF WHEAT VARIETIES ACROSS NORTH LOUISIANA:

North Region Means:

Wheat performance trial data is reported for Alexandria, Bossier City and Winnsboro in 2005. Data from the trial at St. Joseph was highly variable due to poor and variable stands resulting form heavy fall rains.

Terral LA841 and Vigoro McIntosh had the highest-yields across north Louisiana for 2005 (93.8 and 89.8 bu/acre). DK GR9108 and AgriPro/Natchez also yielded greater than 85 bu/acre (Table 6). The average yield of 70 entries was 68.4 bu/acre and the average test weight was 59.7 lbs/bu. Heading date is important, even in north Louisiana. Thirteen of the 15 highest-yielding entries had heading dates between 90 and 97 (March 31 to April 7). Only 8 of 33 entries with above-average yields had heading dates >100, whereas 26 of 37 entries with below-average yields had heading dates >100.

Stripe rust pressure was severe in north Louisiana during the spring of 2005. The average stripe rust rating across three locations and 70 entries was 14% and six entries had >50% stripe rust. Fourteen of the 20 lowest-yielding entries had >25% stripe rust, which shows the impact of stripe rust on yield. The average leaf rust incidence was 3% and only 6 entries had >10% leaf rust.

Terral LA841 had the highest two-year mean yield (93.5 bu/acre) across north Louisiana (Table 7) followed by Vigoro McIntosh and DK GR9108 which also had mean yields > 88 bu/acre. The average yield of 42 entries tested for two years was 72.8 bu/acre and the average test weight was 58.6 lbs/bu. The average heading date was 97 (April 7) and only three entries with heading dates greater than 97 yielded above the test mean. Fourteen of the 15 highest-yielding entries had less than 10% stripe and leaf rust whereas 11 of the 15 lowest-yielding entries had at least 10% stripe or leaf rust.

The performance of 27 entries tested for three years (9 trials) across north Louisiana is shown in Table 8. Five varieties have three-year mean yields of 80+ bu/acre, led by Terral LA841 (89.6 bu/acre) and all had less than 10% stripe or leaf rust. The average

yield of all entries was 75.2 bu/acre and the average test weight was 57.1 lbs/bu. Significant differences occurred among entries for stripe and leaf rust ratings.

Alexandria:

The Dean Lee Research Station wheat trial was excellent in 2005 and produced an average yield for 70 entries of 79.0 bu/acre (Table 9). Terral TV8466 and Terral LA841 yielded over 100 bu/acre and also had 0% stripe or leaf rust. AgriPro/Natchez, Vigoro McIntosh, DK 9577, Progeny 185, DK GR9108 and nine breeding lines also yielded over 90 bu/acre. The average heading date of 70 entries was 95 and only 7 of the 30 highest-yielding entries had heading dates >95. Ten entries had test weights >60 lbs/bu led by AgriPro/APW742 and Pioneer/26R61 with a test weight of 61.9 lbs/bu.

There was some bird feeding damage at Dean Lee, primarily in the earliest-heading entries. Most entries had minimal bird feeding damage. Stripe and leaf rust pressure were moderate at Alexandria.

Bossier City:

Yields were normal at Bossier City in 2005, with an average for 70 entries of 48.5 bu/acre and a range of 17.2 to 72.0 bu/acre. Yields in this table are sorted by descending two-year mean then by one-year mean. Terral LA841 had the highest 2005 and two-year mean yields at Bossier City (72.0 & 83.9 bu/acre). Dixie 9812, Vigoro McIntosh, and four breeding lines had average two-year mean yields of 75+ bu/acre. The average test weight was 59.3 lbs/bu. Pioneer/26R61 and the breeding lines LA9560CA22-1, LA95283CA78, and UGA951216-2E26 had test weights of 62+ lbs/bu.

Stripe rust was severe at Bossier City. The average stripe rust rating was 18% and 13 entries had stripe rust ratings of greater than 50%.

St. Joseph:

The test at St. Joseph produced highly variable data due to heavy fall rains that resulted in erratic stands. The data from this location was discarded

Winnsboro:

The test at Winnsboro produced excellent yields and test weights (Table 11). Vigoro McIntosh was the highest–yielding variety (111.1 bu/acre) followed by DK GR9108 and Terral LA841 with yields of 108 bu/acre. Six breeding lines also yielded over 100 bu/acre. LA95181BUB40-2-2-C had the highest yield of all entries (116.7 bu/acre). The average yield of 70 entries was 78.1 bu/acre and the average test weight was 59.9 lbs/bu. Vigoro McIntosh and DK GR9108 have two-year mean yields greater than 100 bu/acre. Terral LA841 has the highest three-year mean yield.

The average test weight was 59.9 bu/acre. The breeding line LA95283CA78-1-2-B had the highest test weight (63.1 lbs/bu) of all entries. USG 3592 had the highest test weight of all varieties (62.4 lbs/bu) despite having a stripe rust rating of 65%. Stripe rust pressure at Winnsboro was high, with a mean of 17%. Sixteen entries had stripe rust ratings of at least 25% and 9 higher than 50%.

STATEWIDE PERFORMANCE OF WHEAT VARIETIES:

Table 12a gives the average performance of 64 wheat entries tested across all five locations in 2005. Table 12b includes all 70 entries tested in 2005, has yields for individual locations and regions, and is sorted by north Louisiana mean yield. Terral LA841 has the highest mean yield (89.3 bu/acre) across five locations for 2005, followed by DK GR9108 (86.6 bu/acre) and Vigoro McIntosh (83.6 bu/acre). All three varieties showed very good resistance to leaf and stripe rust.

The average test weight was 58.8 lbs/bu. Pioneer 26R61 had the highest test weight (61.2 lbs/bu) of all varieties. There were significant differences among entries for stripe rust and leaf rust incidence.

Thirty-six entries were tested for two years across all Louisiana locations (8 trials). Terral LA841 had the highest two-year mean yield (89.6 bu/acre) of all varieties followed by DK GR9108 and Vigoro McIntosh (Table 13). Four "LA" breeding lines also had two-year mean yields greater than 80 bu/acre.

Twenty-one entries have been tested across Louisiana for three years (Table 14). Terral LA841 had the highest three-year mean yield followed by AgriPro/Panola (80.7 bu/acre). The average test weight was 57.3 lbs/bu. The highest stripe rust rating was 43% and nine entries had stripe rust ratings of 0% or 1%.

OTHER WHEAT TRIALS:

Tables 15 and 16 contain results for 41 entries tested in the 2005 USDA Uniform Southern Soft Red Winter Wheat Nursery at Baton Rouge and Winnsboro. The average yield at Baton Rouge was 59.9 bu/acre and the average yield at Winnsboro was 62.7 bu/acre.

The Wheat Screening Nursery is a two-location, two-rep trial conducted at Baton Rouge and Winnsboro. There is a much smaller fee for this trial and the intent of the trial is to give companies an opportunity to see if experimental lines might be adapted to Louisiana before entering the full statewide trials. The 2005 wheat screening nursery contained 17 experimental lines and four check varieties. The average yield of 21 entries at Baton Rouge was 60.8 bu/acre. AWD01*7759 (AgriPro) had the highest yield (78.0 bu/acre) and showed pretty good resistance to stripe and leaf rust. NKB017009 also had a good yield and an excellent test weight. Terral LA841 was the highest-yielding check variety (72.4 bu/acre).

Terral LA841 had the highest yield in the wheat screening nursery at Winnsboro (Table 18). AWD01*7759 also performed well. AWD02*8486 had a test weight of 63.7 lbs/bu.

PERFORMANCE OF OAT VARIETIES

PERFORMANCE OF OAT VARIETIES ACROSS LOUISIANA:

Oat variety trials were conducted at Baton Rouge, Bossier City, and Winnsboro during the 2004-05 season. The trial included 8 commercial varieties and 21 breeding

lines (Table 19). Data from Bossier City was not used due to high variation caused by fall rains and poor stands. Five "LA" breeding lines had average yield greater than 150 bu/acre across Baton Rouge and Winnsboro. Three sister lines, LA95006's had the highest yields and also excellent crown rust resistance. TAMO 405 had the highest yield of released varieties (133.1 bu/acre) and also showed excellent crown rust resistance. The average yield of 29 entries was 115.3 bu/acre and the average test weight was 34.9 lbs/bu.

Test weights were excellent due to dry weather in April during grain fill and maturation. Crown rust pressure was heavy but most of the entries were resistant to prevalent races. The cultivars Brooks and Secretariat LA495 had 96% and 71% crown rust respectively, while 13 entries had 0% crown rust. TAMO 397, which had a crown rust rating of 14%, has been resistant to crown rust races in Louisiana until this year.

LA96006BSB-270-S2-C had the highest two-year mean yield (135.1 bu/acre) along with above-average test weight and 0 ratings for crown rust and stem rust (Table 20). Plot Spike LA9339, TAMO 405, and Horizon 321 were the highest-yielding commercial varieties and all three had good crown and stem rust resistance. Plot Spike LA9339, Horizon 321, and TAMO 397 had the highest three-year mean yields.

Baton Rouge:

LA96006BSB-270-S2-C has a yield of 151.5 bu/acre at Baton Rouge (Table 21), a test weight of 36.1 lbs/bu, and excellent crown rust and lodging ratings. Seven entries yielded above 125 bu/acre. The average yield was 96.1 bu/acre and the lowest yield was 4.6 bu/acre. TAMO 405 was the highest-yielding commercial variety at Baton Rouge. Test weights were excellent with an average of 33.9 lbs/bu. Crown rust pressure was high with a mean of 13% and a high of 93%. Stem rust pressure was low. It is obvious that crown rust dramatically impacted yield. The six lowest-yielding entries had the six highest (worst) ratings for crown rust and also the lowest test weights.

Bossier City:

The Bossier City test data was discarded due to a high level of variation caused by reduced stands resulting from fall rainfall.

Winnsboro:

Oat yields at Winnsboro were excellent, with an average of 131.9 bu/acre (Table 22). TAMO 397 was the highest-yielding (167.9 bu/acre) commercial variety followed by Horizon 474 (143.1 bu/acre). LA96006BSB-270-S2-C had the highest overall grain yield (194.9 bu/acre). Crown rust pressure was heavy at Winnsboro with a mean of 19% and a high of 100%. The four lowest-yielding entries also had the highest crown rust ratings and the lowest test weights. The average test weight, 35.6 lbs/bu, is quite high and resulted from dry weather during grain fill.

LA96006BSB-270-S2-C has the highest yield (152.0 bu/acre) at Winnsboro and also at Baton Rouge. All varieties lodged quite a bit although there were differences in the degree among varieties. Lodging occurred after maturity as a result of rains and subsequently delayed harvest.

Preliminary Oat Yield Trial 'A' and 'B':

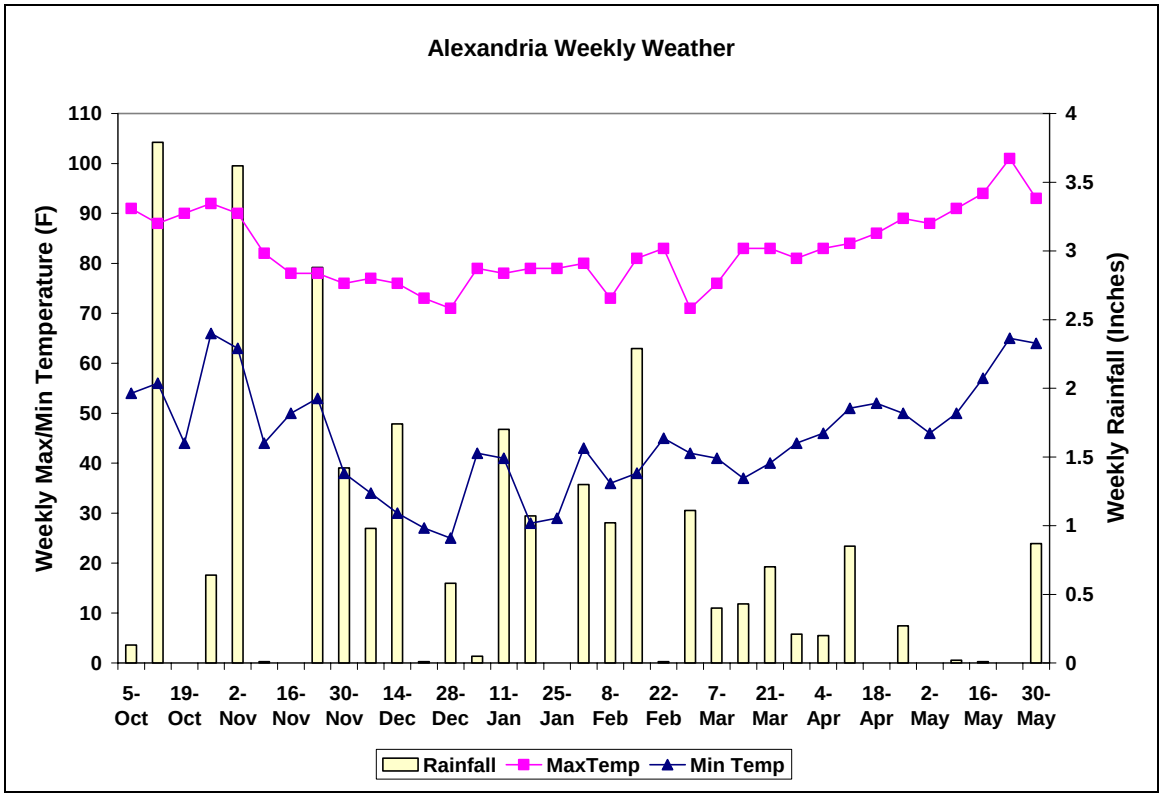
Tables 23, 24, and 25 show the performance of 11 advanced oat breeding lines and three check varieties in Prelim-A at Baton Rouge and Winnsboro. Four "LA" breeding lines had higher yields than Horizon 321, the highest-yielding check variety. Nine of 14 entries had less than 5% crown rust, whereas the susceptible check Brooks had 88% average crown rust and a yield of only 35.2 bu/acre.

Oat Prelim-B precedes Prelim-A in variety development and is only grown at Baton Rouge. Oat prelim-B contained 70 entries in 2005 but only 20 were selected for harvest based on disease reaction, lodging resistance, and general appearance. The average yield of these 20 entries was 113.4 bu/acre and the average test weight was 36.8 lbs/bu (Table 26). LA02079-S-B-69-S2 had a mean yield of 152.7 bu/acre. It is a short, early-heading line and has excellent crown rust resistance. LA9917SBSBSB-31-B-S-B-S1 had a yield of 141.9 bu/acre coupled with a test weight of 39.9 lbs/bu and 0% crown rust.

Uniform Oat Nursery at Baton Rouge:

The USDA regional Uniform winter Oat Yield Nursery was grown at Baton Rouge (and other locations across the southern US). The average yield of 24 entries was 63.6 bu/acre (Table 27) with a range of 0.0 to 151.8 bu/acre. The three check varieties were out-yielded by 11 breeding lines, including LA96006BSB-270 and LA9810SBS-58 which had the highest grain yields. There were a number of very susceptible lines in this trial and the average crown rust rating was 46%. Nine of the 10 highest-yielding lines also had 0% crown rust and the nine lowest-yielding lines had 95%+ crown rust. The average test weight 34.4 lbs/bu is deceiving because the nine lowest-yielding lines did not produce enough grain to measure test weight.

Figure 1


Alexandria Weekly Weather
Weekly Max/Min Temperature (F)
Weekly Rainfall (Inches)
110
100
90
80
70
60
50
40
30
20
10
0
4
3.5
3
2.5
2
1.5
1
0.5
0
5-Oct
19-Oct
2-Nov
16-Nov
30-Nov
14-Dec
28-Dec
11-Jan
25-Jan
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22-Feb
7-Mar
21-Mar
4-Apr
18-Apr
2-May
16-May
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Rainfall
MaxTemp
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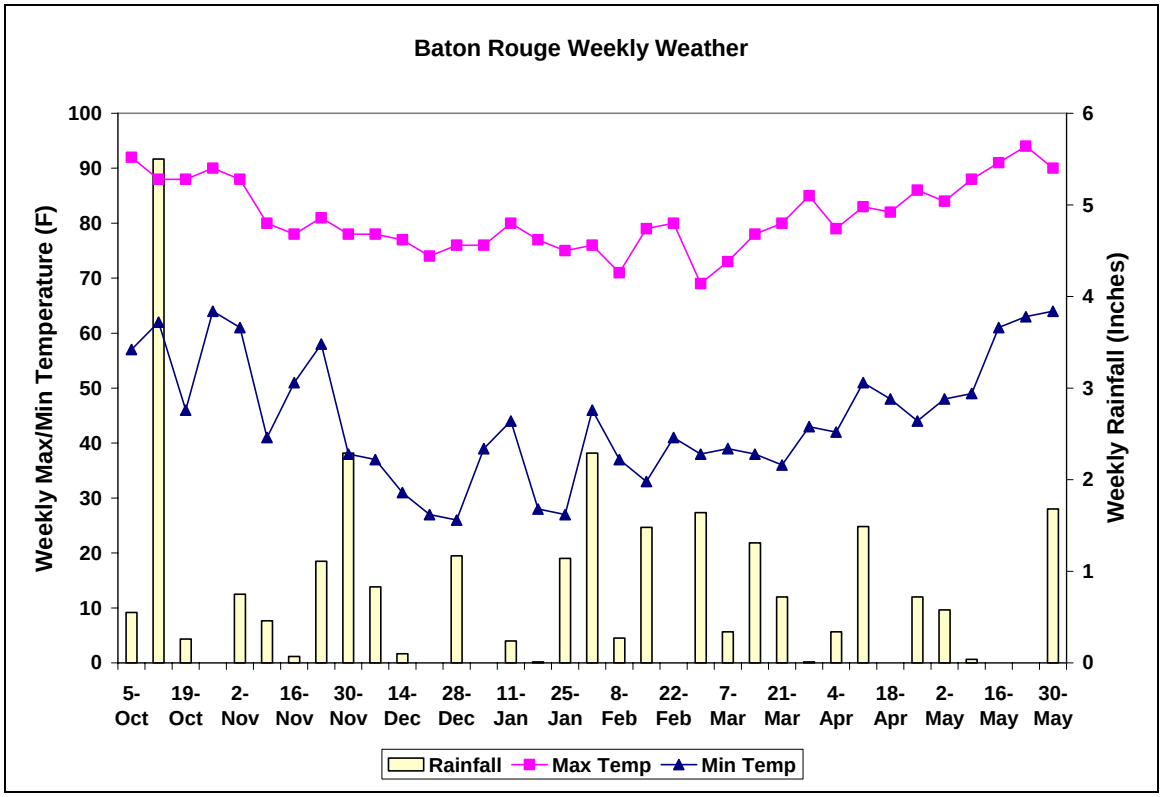
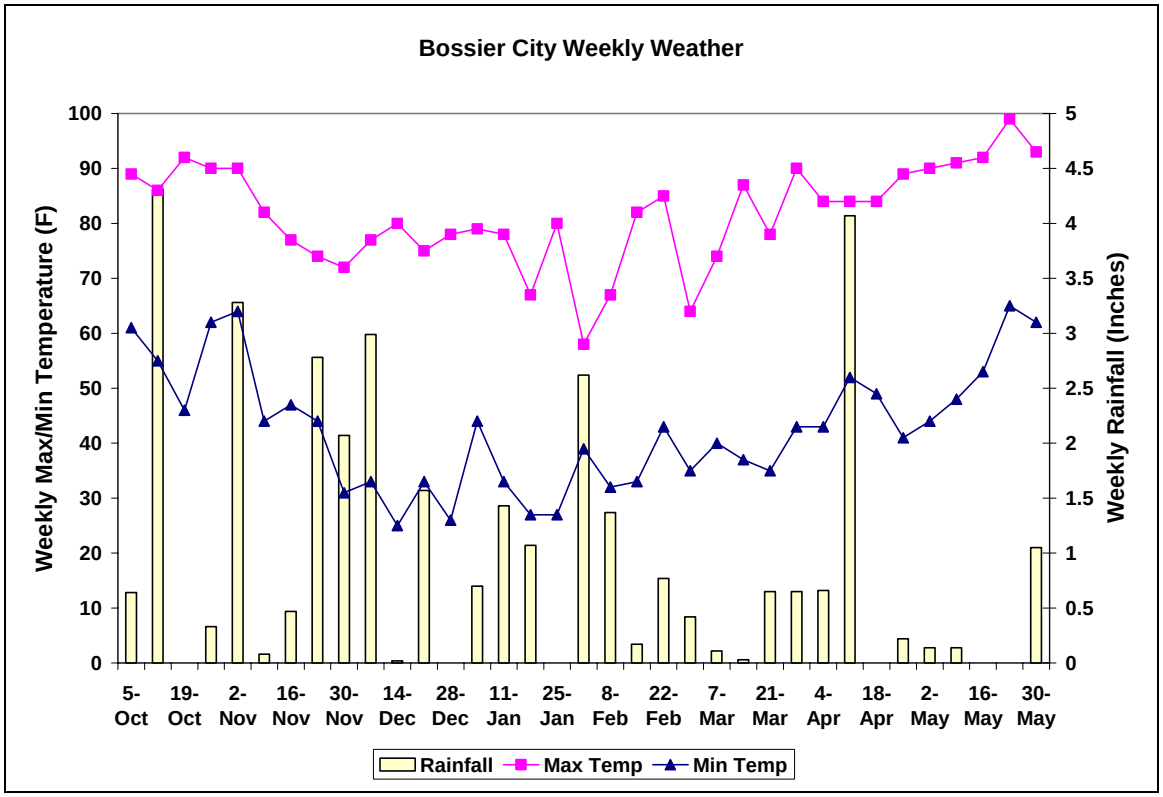
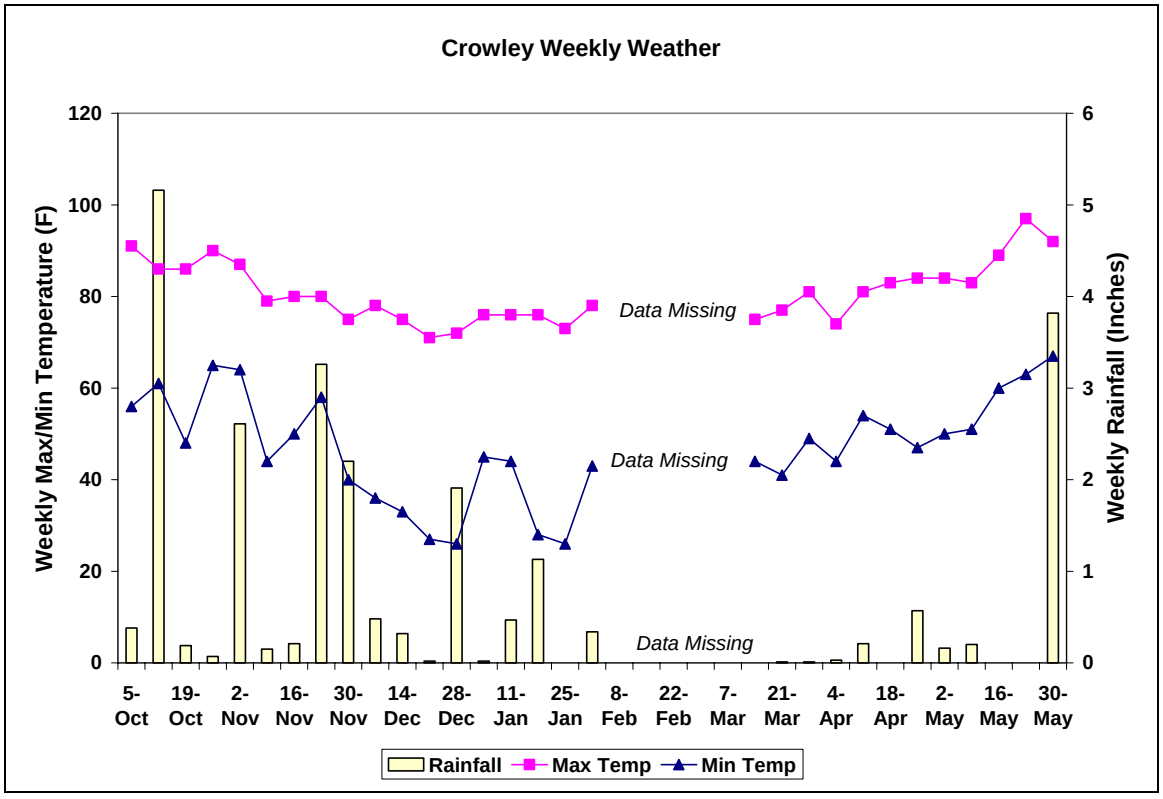

Baton Rouge Weekly Weather
Weekly Max/Min Temperature (F)
Weekly Rainfall (Inches)
100
90
80
70
60
50
40
30
20
10
0
6
5
4
3
2
1
0
5-Oct
19-Oct
2-Nov
16-Nov
30-Nov
14-Dec
28-Dec
11-Jan
25-Jan
8-Feb
22-Feb
7-Mar
21-Mar
4-Apr
18-Apr
2-May
16-May
30-May
Rainfall
Max Temp
Min Temp

Figure 1 (cont.)





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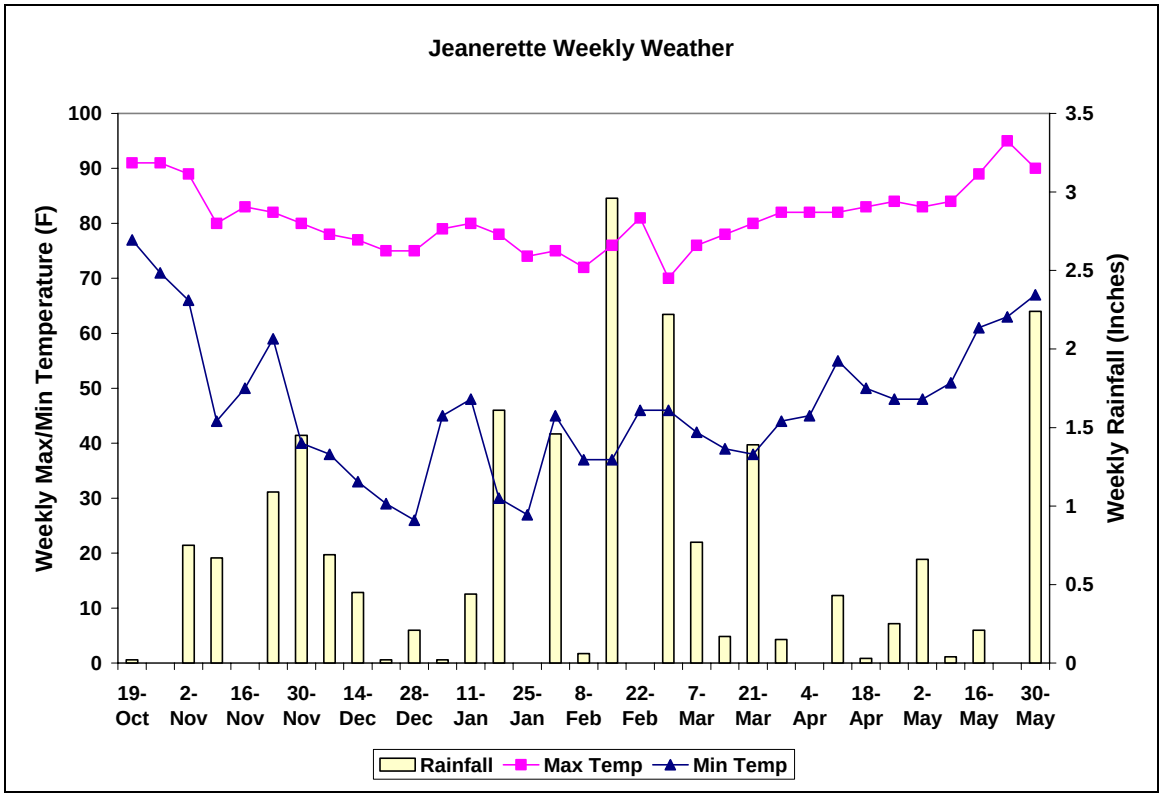

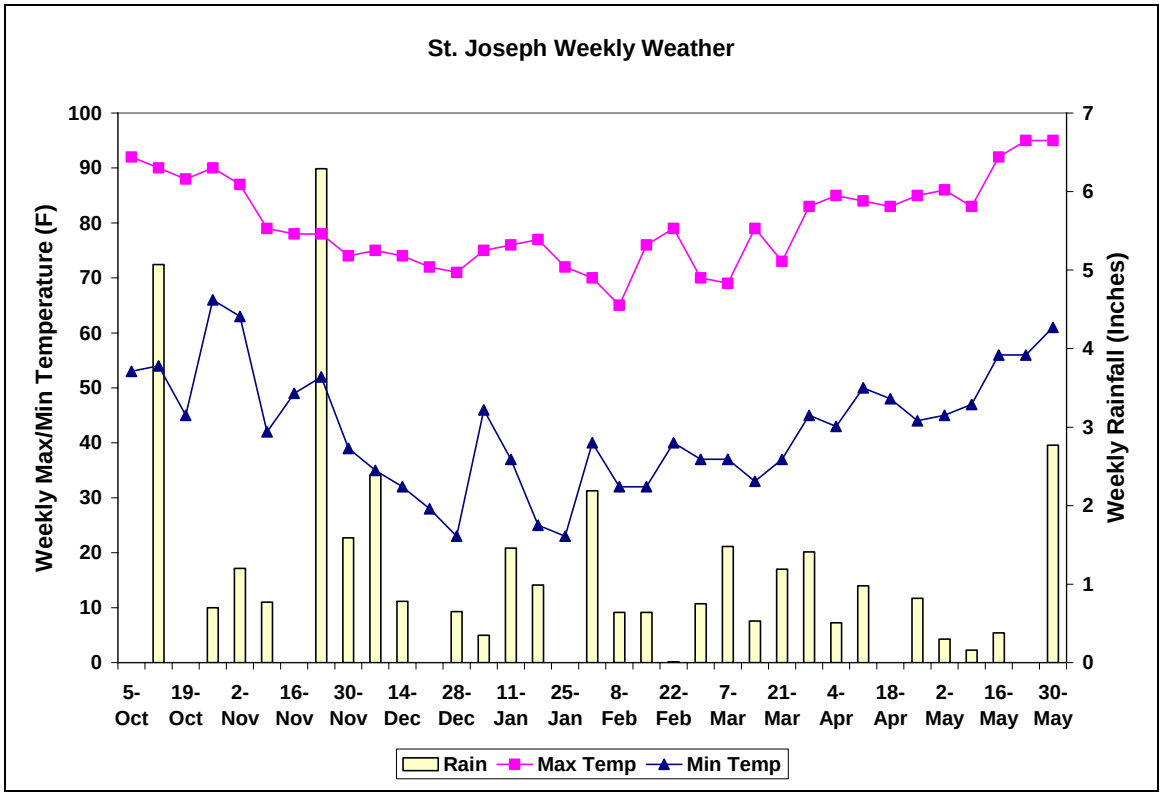

Figure 1 (cont.)

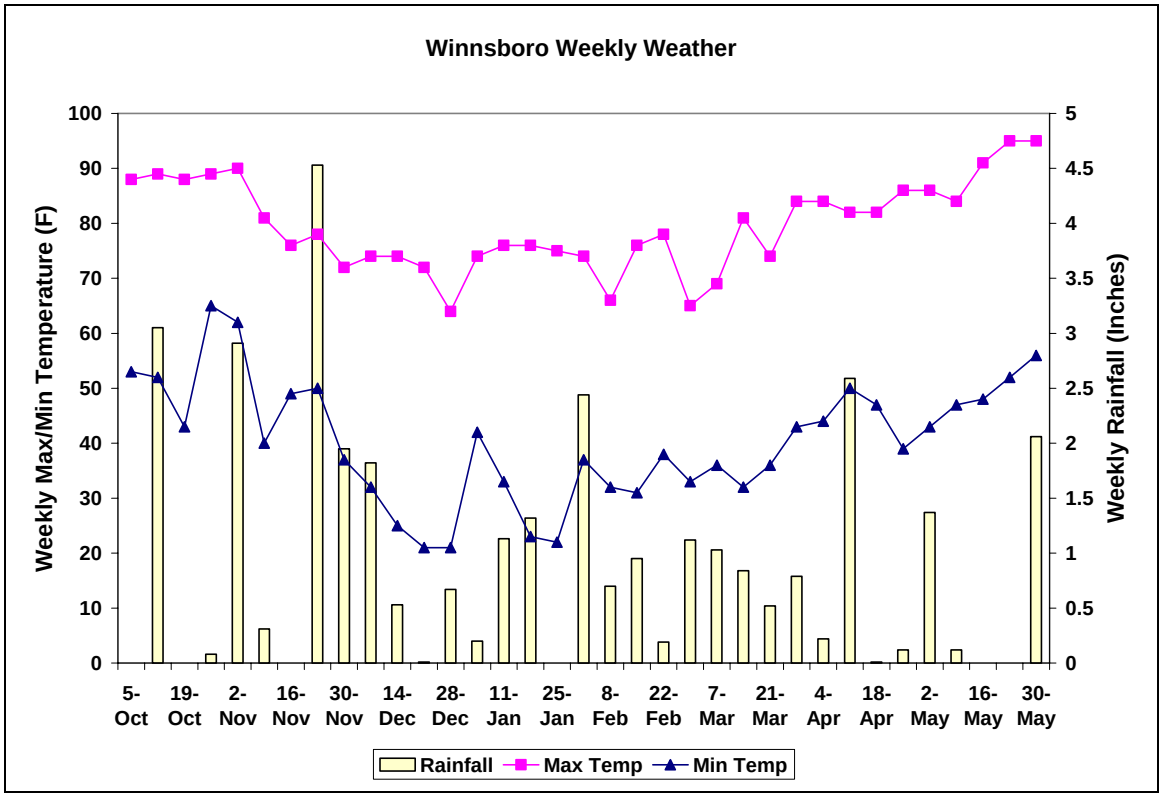

Table 1. Wheat performance trial across South Louisiana (Baton Rouge and Crowley) for 2005.

Brand / variety	Grain Yield Actual bu/a	Grain Yield LS Mean	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Stripe Rust %	Leaf Rust %	Pheno -type 0-9	Fusarium Headblight 0-9
LA9560CA22-1	89.9	90.6	60.2	81	42	3	0	3.7	4.5
LA95181BUB40-1	86.3	85.4	56.0	77	43	0	18	4.5	6.5
DK GR9108	**86.0**	**87.2**	**57.6**	**80**	**41**	**0**	**3**	**3.7**	**3.0**
UGA951216-2E26	83.5	89.0	61.4	87	40	0	0	4.3	3.0
LA97113UC-124-3-B	82.3	82.3	59.3	83	42	0	1	4.2	5.5
LA95171CA58-3-2-C	82.0	81.8	57.7	83	37	0	1	4.2	5.0
TERRAL LA841	**81.7**	**81.0**	**56.2**	**84**	**39**	**1**	**0**	**4.4**	**7.0**
LA95181BUB40-2-2-C	81.3	80.2	57.3	78	42	0	7	4.5	4.5
UGA951079-2E31	81.3	81.0	59.7	82	41	2	0	4.5	1.5
LA95135D54-2-3-C	81.2	82.2	57.8	88	42	2	0	3.8	1.5
PIONEER/26R61	**79.8**	**78.8**	**60.1**	**82**	**42**	**0**	**1**	**4.5**	**7.5**
AGRIPRO/APW742	77.1	80.5	59.0	86	39	0	31	4.6	2.0
COKER 9152	**75.4**	**76.3**	**59.0**	**94**	**42**	**20**	**0**	**5.3**	**0.5**
LA96140BUA70-2	74.7	74.4	59.6	78	40	0	3	3.9	4.5
USG 3592	**74.1**	**75.0**	**60.1**	**95**	**39**	**45**	**0**	**6.2**	**1.0**
LA9554D68-3-2-C	74.0	77.1	56.7	81	37	0	4	3.9	5.0
LA98094BUB-58-5-B	74.0	73.9	58.4	70	35	0	0	4.1	2.0
USG 3209	**73.1**	**72.6**	**58.2**	**86**	**36**	**5**	**14**	**5.2**	**3.0**
VIGORO MCINTOSH	**73.1**	**73.5**	**60.2**	**95**	**42**	**0**	**1**	**5.1**	**0.5**
AGRIPRO/BERETTA	**71.8**	**72.2**	**54.1**	**91**	**35**	**20**	**1**	**5.8**	**2.0**
HBK 3266	**71.3**	**71.2**	**59.2**	**87**	**40**	**17**	**0**	**4.6**	**1.5**
AGRIPRO/PANOLA	**70.8**	**70.4**	**58.2**	**92**	**39**	**2**	**20**	**4.8**	**2.5**
LA95125BUB73-2-2-B	70.4	70.1	57.2	72	38	3	1	4.8	4.5
AGRIPRO/APW749	70.0	68.8	59.3	86	40	0	26	4.3	2.0
AGS 2000	**70.0**	**69.7**	**58.5**	**79**	**40**	**18**	**0**	**5.7**	**7.5**
B980582	69.3	69.7	60.5	80	41	13	1	5.2	3.5
TERRAL TV8466	**69.0**	**69.5**	**58.0**	**95**	**37**	**8**	**2**	**6.2**	**0.0**
LA96408D-89-3-2-B	68.3	65.9	59.3	82	38	0	22	4.4	2.5
DK 9577	**68.0**	**63.5**	**58.5**	**92**	**37**	**10**	**12**	**5.9**	**1.5**
DK 9650	**67.7**	**66.8**	**54.4**	**96**	**37**	**5**	**7**	**6.1**	**0.0**
CROPLAN 517W	**67.2**	**66.5**	**56.5**	**89**	**35**	**22**	**2**	**5.1**	**2.5**
DK 1551W	**66.8**	**66.1**	**58.4**	**87**	**37**	**3**	**32**	**5.1**	**2.5**
DK 7710	**66.3**	**66.0**	**52.7**	**101**	**39**	**5**	**8**	**6.8**	**0.0**
TERRAL TV8558	**66.3**	**66.3**	**58.3**	**92**	**38**	**10**	**6**	**6.0**	**0.5**
PROGENY 110	**65.4**	**67.2**	**57.5**	**103**	**39**	**8**	**10**	**6.8**	**0.0**
PROGENY 185	**64.1**	**63.8**	**56.2**	**97**	**37**	**3**	**7**	**6.2**	**0.5**
PROGENY 125	**63.9**	**63.5**	**56.4**	**99**	**40**	**25**	**2**	**6.6**	**0.0**
DK 7830	**61.2**	**61.0**	**58.3**	**102**	**38**	**5**	**7**	**6.4**	**0.0**
TERRAL TVX84W451	61.0	60.8	53.7	96	36	13	1	6.1	0.5
PAT	**60.3**	**60.4**	**57.1**	**99**	**40**	**3**	**9**	**5.6**	**0.0**
ARMOR 2010	**59.8**	**59.8**	**58.2**	**95**	**40**	**5**	**8**	**6.4**	**0.0**
LA952D3-1-3-C	58.3	58.0	55.8	76	37	3	37	5.8	4.5
LA95283CA78-1-2-B	58.2	57.4	58.9	76	36	0	1	5.0	5.5
USG EXP. 910	58.2	57.7	55.4	98	39	15	2	6.8	0.0
DELTA GROW 4100	**57.6**	**57.2**	**59.4**	**103**	**39**	**5**	**11**	**6.3**	**0.0**

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Table 1. Wheat performance trial across South Louisiana (Baton Rouge and Crowley) for 2005.

	Grain Yield		Test	Head	Plant	Stripe	Leaf	Pheno	Fusarium
	Actual	LS Mean	Wt	Day	Height	Rust	Rust	-type	Headblight
Brand / variety	**bu/a**		**lbs/bu**	**day of yr**	**in**	**%**	**%**	**0-9**	**0-9**
VIGORO V9513	**57.0**	**55.5**	**53.2**	**88**	**37**	**0**	**10**	**6.8**	**0.0**
PROGENY 133	**55.9**	**56.1**	**58.1**	**102**	**38**	**0**	**10**	**6.9**	**0.0**
DIXIE 9812	**55.6**	**54.0**	**59.4**	**95**	**39**	**3**	**10**	**6.0**	**0.0**
B980696	55.6	55.3	47.1	103	34	0	3	6.7	0.0
DIXIE 900	**55.3**	**55.7**	**56.6**	**104**	**39**	**3**	**8**	**7.2**	**0.0**
COKER 9375	**54.6**	**52.9**	**55.6**	**94**	**41**	**4**	**32**	**5.8**	**2.0**
USG 3350	**53.3**	**52.9**	**60.5**	**101**	**39**	**0**	**15**	**6.8**	**0.0**
DIXIE 9512	**51.5**	**50.9**	**57.3**	**87**	**40**	**3**	**9**	**6.8**	**0.0**
RO 33	**51.5**	**50.1**	**57.3**	**105**	**38**	**0**	**10**	**6.8**	**0.0**
TERRAL TV8502	**51.5**	**51.3**	**57.5**	**104**	**40**	**5**	**12**	**6.9**	**0.0**
PROGENY 166	**51.0**	**50.2**	**57.6**	**102**	**39**	**0**	**9**	**7.1**	**0.0**
PROGENY 145	**50.4**	**49.4**	**58.5**	**101**	**40**	**15**	**8**	**7.4**	**0.5**
ARMOR 3330	**48.7**	**47.9**	**58.9**	**103**	**38**	**2**	**12**	**6.6**	**0.0**
CROPLAN 554W	**48.1**	**49.0**	**57.1**	**95**	**35**	**35**	**5**	**6.5**	**0.5**
DELTA GROW 4200	**47.5**	**46.7**	**56.3**	**102**	**38**	**10**	**9**	**7.5**	**0.0**
PROGENY 156	**46.2**	**44.4**	**55.1**	**102**	**37**	**3**	**12**	**7.3**	**0.0**
DELTA GROW 4500	**45.0**	**40.2**	**55.7**	**104**	**39**	**3**	**21**	**7.3**	**0.0**
ARMOR 3035	**44.9**	**42.4**	**58.3**	**101**	**39**	**8**	**17**	**7.0**	**0.0**
MCCORMICK	**41.4**	**41.0**	**59.7**	**102**	**32**	**8**	**54**	**7.8**	**0.0**
Mean	**65.2**		**57.6**	**91**	**39**	**6**	**9**	**5.8**	**1.8**
CV	**15**		**3**	**2**	**4**		**78**	**11**	
LSD	**13.5**		**2.7**	**5**	**3**		**NS**	**1.3**	

Data from Crowley and Baton Rouge, LA for 2005.

Very wet winter followed by very dry grain fill. Little Septoria glume blotch and no lodging. Very high test weights and grain quality.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

LS Mean is a statistical estimate of what the mean would be without the missing data/plots at Crowley.

Fusarium (scab) ratings: 0 = none, 9 = severe.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 2. Wheat performance trial across South Louisiana for two years, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
LA9560CA22-1	89.1	60.2	83	40	1.3	3	0	3.6
DK GR9108	**85.1**	**57.6**	**84**	**39**	**1.1**	**0**	**2**	**3.4**
LA95181BUB40-1	83.2	56.0	80	40	1.1	0	12	4.2
TERRAL LA841	**82.4**	**56.2**	**86**	**36**	**1.1**	**1**	**0**	**3.9**
LA97113UC-124-3-B	80.4	59.3	87	38	1.1	0	1	3.9
LA95135D54-2-3-C	79.7	57.8	93	40	1.5	2	0	3.9
USG 3209	**76.5**	**58.2**	**87**	**33**	**1.1**	**5**	**9**	**4.8**
AGRIPRO/PANOLA	**76.5**	**58.2**	**93**	**37**	**1.1**	**2**	**13**	**4.7**
USG 3592	**76.2**	**60.1**	**98**	**38**	**1.7**	**45**	**0**	**6.4**
HBK 3266	**74.8**	**59.2**	**90**	**39**	**1.3**	**17**	**0**	**4.6**
COKER 9152	**74.3**	**59.0**	**97**	**40**	**1.7**	**20**	**0**	**5.2**
VIGORO MCINTOSH	**73.6**	**60.2**	**95**	**40**	**1.4**	**0**	**1**	**5.2**
DK 1551W	**73.0**	**58.4**	**94**	**36**	**1.1**	**3**	**21**	**5.7**
TERRAL TV8466	**72.4**	**58.0**	**98**	**35**	**1.3**	**8**	**2**	**6.3**
LA96140BUA70-2	71.2	59.6	80	37	0.9	0	2	3.6
AGS 2000	**70.7**	**58.5**	**83**	**37**	**1.1**	**18**	**0**	**4.8**
DK 7710	**67.9**	**52.7**	**106**	**37**	**1.9**	**5**	**6**	**6.8**
PROGENY 110	**66.0**	**57.5**	**105**	**38**	**1.3**	**8**	**8**	**7.1**
PAT	**66.0**	**57.1**	**102**	**38**	**0.6**	**3**	**6**	**5.4**
DK 7830	**63.7**	**58.3**	**103**	**37**	**1.1**	**5**	**5**	**6.4**
COKER 9375	**61.7**	**55.6**	**97**	**39**	**0.9**	**4**	**21**	**6.0**
RO 33	**60.7**	**57.3**	**105**	**37**	**1.1**	**0**	**8**	**6.9**
DIXIE 9812	**60.7**	**59.4**	**99**	**38**	**1.6**	**3**	**7**	**6.0**
ARMOR 3330	**59.6**	**58.9**	**104**	**38**	**1.1**	**2**	**9**	**6.7**
USG 3350	**58.6**	**60.5**	**104**	**38**	**1.3**	**0**	**11**	**6.9**
TERRAL TV8502	58.5	57.5	106	38	1.3	5	9	7.3
MCCORMICK	**57.9**	**59.7**	**97**	**31**	**1.1**	**8**	**36**	**6.8**
PROGENY 133	**57.3**	**58.1**	**105**	**37**	**1.3**	**0**	**8**	**7.1**
DIXIE 900	**56.8**	**56.6**	**106**	**37**	**1.1**	**3**	**7**	**7.3**
PROGENY 166	**56.3**	**57.6**	**105**	**38**	**1.3**	**0**	**7**	**7.4**
DELTA GROW 4500	**55.3**	**55.7**	**105**	**37**	**1.3**	**3**	**15**	**7.0**
PROGENY 145	**54.0**	**58.5**	**104**	**38**	**1.4**	**15**	**7**	**7.3**
DELTA GROW 4200	**52.5**	**56.3**	**106**	**36**	**1.1**	**10**	**8**	**7.5**
LA95283CA78-1-2-B	50.7	58.9	78	34	1.0	0	1	4.3
ARMOR 3035	**48.7**	**58.3**	**105**	**38**	**1.1**	**8**	**12**	**7.3**
PROGENY 156	**47.4**	**55.1**	**107**	**35**	**1.1**	**3**	**9**	**7.4**
Mean	**66.7**	**57.9**	**96**	**37**	**1.2**	**6**	**7**	**5.8**
CV	**14**	**3**	**2**	**4**	**28**		**61**	**10**
LSD	**12.4**	**2.1**	**4**	**2**	**NS**		**NS**	**1.0**

Contains data for Jeanerette in 2004 and Baton Rouge and Crowley in 2005.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 3. Wheat performance trial across South Louisiana for three years, 2003, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Sep -toria	Pheno -type 0-9
AGRIPRO/PANOLA	**79.8**	**58.0**	**94**	**36**	**1.1**	**0**	**6**	**2.0**	**3.9**
TERRAL LA841	**78.0**	**56.3**	**88**	**35**	**1.1**	**0**	**0**	**1.2**	**4.2**
LA95181BUB40-1	77.5	56.1	83	39	1.1	1	6	1.6	4.0
DK 1551W	**76.7**	**58.0**	**96**	**35**	**1.1**	**3**	**10**	**2.0**	**4.8**
LA96140BUA70-2	74.0	59.5	84	35	0.9	0	1	1.4	3.2
HBK 3266	**73.8**	**58.5**	**91**	**37**	**1.3**	**13**	**0**	**2.2**	**4.3**
USG 3592	**72.9**	**59.2**	**97**	**37**	**1.7**	**19**	**0**	**2.6**	**5.4**
TERRAL TV8466	**72.6**	**56.9**	**98**	**35**	**1.3**	**2**	**1**	**2.4**	**5.9**
USG 3209	**72.3**	**57.3**	**89**	**32**	**1.1**	**4**	**5**	**2.2**	**4.6**
COKER 9152	**70.5**	**58.5**	**98**	**40**	**1.7**	**5**	**0**	**2.2**	**4.5**
AGS 2000	**69.8**	**57.7**	**86**	**37**	**1.1**	**15**	**0**	**3.4**	**4.8**
MCCORMICK	**69.2**	**58.8**	**98**	**32**	**1.1**	**2**	**17**	**1.8**	**5.9**
PAT	**68.8**	**57.3**	**103**	**38**	**0.6**	**1**	**3**	**1.4**	**5.0**
DIXIE 9812	**66.2**	**58.4**	**99**	**39**	**1.6**	**1**	**5**	**3.4**	**5.6**
RO 33	**62.9**	**56.9**	**105**	**38**	**1.1**	**0**	**8**	**2.8**	**6.2**
DIXIE 900	**62.8**	**56.4**	**105**	**39**	**1.1**	**1**	**5**	**2.8**	**6.6**
COKER 9375	**62.3**	**55.5**	**98**	**39**	**0.9**	**1**	**13**	**1.8**	**5.1**
TERRAL TV8502	**61.8**	**57.1**	**105**	**39**	**1.3**	**1**	**5**	**2.6**	**6.7**
USG 3350	**61.2**	**58.7**	**104**	**39**	**1.3**	**0**	**7**	**3.0**	**6.3**
DELTA GROW 4500	**59.5**	**56.5**	**103**	**39**	**1.3**	**1**	**9**	**3.6**	**6.5**
DELTA GROW 4200	**57.9**	**56.1**	**105**	**38**	**1.1**	**3**	**6**	**2.8**	**6.7**
Mean	**69.1**	**57.5**	**97**	**37**	**1.2**	**3**	**5**	**2.3**	**5.2**
CV	**14**	**2**	**2**	**4**	**26**	**123**	**72**	**30**	**13**
LSD	**8.1**	**1.3**	**3**	**2**	**NS**	**8**	**NS**	**1.1**	**0.8**

Contains data for Jeanereette, Baton Rouge, and Crowley in 2003; Jeanerette in 2004; and Baton Rouge and Crowley in 2005.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 4. Wheat performance trial at Baton Rouge, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
LA95181BUB40-1	91.4	57.5	84	44	0	1	4.0
LA9560CA22-1	85.6	61.7	89	42	3	0	3.8
PIONEER/26R61	**85.5**	**62.1**	**90**	**42**	**0**	**0**	**3.5**
TERRAL LA841	**85.5**	**58.5**	**91**	**40**	**1**	**0**	**3.3**
DK GR9108	**85.2**	**58.4**	**91**	**43**	**0**	**0**	**3.3**
LA95181BUB40-2-2-C	84.8	58.6	86	42	0	1	4.0
UGA951079-2E31	83.4	61.2	99	42	2	0	5.5
LA95171CA58-3-2-C	83.4	59.4	90	40	0	1	3.8
LA97113UC-124-3-B	82.4	62.0	91	42	0	0	3.3
LA95135D54-2-3-C	80.7	59.3	97	43	2	0	4.7
LA96140BUA70-2	76.4	60.9	85	40	0	2	3.8
USG 3209	**76.1**	**60.0**	**95**	**36**	**5**	**1**	**5.3**
DK 9577	**75.5**	**59.7**	**97**	**40**	**10**	**5**	**6.3**
LA98094BUB-58-5-B	74.6	60.7	77	35	0	0	3.7
LA96408D-89-3-2-B	74.5	60.2	90	41	0	1	3.3
AGRIPRO/APW749	74.0	60.9	94	41	0	5	4.0
UGA951216-2E26	74.0	62.6	95	41	0	0	4.5
AGRIPRO/PANOLA	**73.6**	**59.6**	**101**	**40**	**2**	**4**	**4.7**
DK 9650	**72.8**	**57.4**	**104**	**39**	**5**	**11**	**6.7**
AGS 2000	**72.0**	**59.9**	**87**	**42**	**18**	**0**	**4.8**
AGRIPRO/APW742	71.9	61.3	95	40	0	4	3.7
CROPLAN 517W	**71.8**	**57.6**	**98**	**35**	**22**	**0**	**5.2**
LA95125BUB73-2-2-B	71.7	60.6	79	37	3	0	3.7
HBK 3266	**71.5**	**60.0**	**95**	**41**	**17**	**0**	**5.2**
VIGORO MCINTOSH	**71.1**	**60.9**	**103**	**42**	**0**	**0**	**6.2**
DK 1551W	**70.8**	**59.8**	**102**	**39**	**3**	**4**	**5.2**
COKER 9152	**70.0**	**60.2**	**104**	**43**	**20**	**0**	**6.2**
AGRIPRO/BERETTA	**69.4**	**54.6**	**103**	**36**	**20**	**0**	**6.7**
LA9554D68-3-2-C	69.2	57.2	89	36	0	1	3.8
USG 3592	**68.7**	**61.7**	**104**	**41**	**45**	**0**	**6.8**
DK 7710	**68.3**	**53.7**	**110**	**41**	**5**	**11**	**6.5**
B980582	66.9	61.6	90	41	13	0	4.8
PROGENY 125	**66.7**	**57.0**	**106**	**41**	**25**	**3**	**6.7**
TERRAL TV8466	**66.5**	**58.5**	**104**	**39**	**8**	**1**	**6.3**
TERRAL TV8558	**66.2**	**59.5**	**102**	**39**	**10**	**6**	**6.5**
VIGORO V9513	**65.6**	**52.6**	**110**	**40**	**0**	**16**	**6.7**
DIXIE 9812	**65.1**	**61.0**	**103**	**42**	**3**	**18**	**6.0**
COKER 9375	**64.6**	**56.1**	**103**	**42**	**4**	**1**	**6.0**
LA95283CA78-1-2-B	62.7	61.8	83	37	0	0	4.5
DK 7830	**62.5**	**60.9**	**104**	**43**	**5**	**12**	**6.3**
TERRAL TVX84W451	61.8	56.4	104	38	13	0	6.7
USG EXP. 910	61.3	56.1	109	41	15	4	6.7
PROGENY 185	**60.9**	**57.1**	**106**	**38**	**3**	**3**	**6.8**
ARMOR 2010	**60.1**	**60.4**	**103**	**43**	**5**	**13**	**6.3**
ARMOR 3035	**59.8**	**59.0**	**109**	**42**	**8**	**18**	**7.0**

Table 4. Wheat performance trial at Baton Rouge, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
PAT	**59.7**	**59.1**	**110**	**40**	**3**	**2**	**6.2**
DELTA GROW 4100	**59.6**	**60.7**	**108**	**41**	**5**	**22**	**7.2**
LA952D3-1-3-C	59.1	56.8	88	38	3	21	5.2
PROGENY 145	**56.7**	**60.2**	**105**	**44**	**15**	**16**	**7.3**
USG 3350	**55.9**	**63.0**	**106**	**42**	**0**	**28**	**6.7**
PROGENY 166	**55.6**	**59.0**	**109**	**42**	**0**	**16**	**7.2**
DIXIE 9512	**55.2**	**59.9**	**104**	**42**	**3**	**15**	**7.2**
PROGENY 133	**54.6**	**60.1**	**110**	**42**	**0**	**19**	**6.8**
PROGENY 110	**54.6**	**58.4**	**109**	**42**	**8**	**18**	**7.2**
ARMOR 3330	**53.6**	**60.6**	**109**	**42**	**2**	**13**	**6.7**
DIXIE 900	**53.2**	**57.7**	**110**	**42**	**3**	**14**	**7.3**
DELTA GROW 4500	**52.9**	**57.7**	**108**	**43**	**3**	**20**	**7.0**
RO 33	**52.7**	**57.7**	**110**	**41**	**0**	**19**	**6.7**
DELTA GROW 4200	**52.5**	**56.2**	**110**	**40**	**10**	**19**	**7.5**
TERRAL TV8502	52.3	59.2	109	42	5	22	7.3
PROGENY 156	**48.1**	**55.9**	**110**	**39**	**3**	**21**	**7.7**
B980696	46.7	43.6		34	0	5	6.8
MCCORMICK	**43.6**	**60.9**	**107**	**33**	**8**	**50**	**8.0**
CROPLAN 554W	**42.4**	**59.2**	**107**	**33**	**35**	**6**	**7.5**
Mean	**66.7**	**59.0**	**99**	**40**	**6**	**8**	**5.7**
CV	**11**	**2**	**2**	**3**	**111**	**61**	**6**
LSD	**8.6**	**1.6**	**4**	**2**	**11**	**8**	**0.6**

Ben Hur Research Farm, Central Research Stations, Baton Rouge, LA. Steve Harrison, Kelly Arceneaux, and Fred Larue .

Cultural and Site:Planted 11/17/2004. Harvested 70 ft-sq plots on 5/27/2005. 18-46-60 pre + 90-0-0 topdress fertilizer.

Very wet winter followed by very dry grain fill. Little Septoria glume blotch and no lodging. Very high test weights and grain quality.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 5. Wheat performance trial at Crowley, LA for 2005.

Brand / variety	Grain Yield * Actual (bu/a)	Grain Yield * LS Mean (bu/a)	Test Wt (lbs/bu)	Stand (%)	Head Day (day of yr)	Plant Height (in)	Leaf Rust (%)	Fus Head Blight # (0-9)	Pheno -type (0-9)
UGA951216-2E26	102.6	104.2	59.2	90	79	39	0	3.0	4.0
LA9560CA22-1	95.7	95.7	58.2	100	75	42	0	4.5	3.5
DK GR9108	**87.8**	**89.4**	**56.0**	**85**	**73**	**40**	**7**	**3.0**	**4.0**
AGRIPRO/APW742	87.7	89.4	56.0	75	80	38	58	2.0	5.5
LA9554D68-3-2-C	83.4	85.1	55.6	70	76	37	7	5.0	4.0
COKER 9152	**82.7**	**82.7**	**57.3**	**93**	**88**	**42**	**0**	**0.5**	**4.5**
LA95135D54-2-3-C	82.2	83.8	55.0	100	79	40	0	1.5	3.0
LA97113UC-124-3-B	82.2	82.2	55.7	100	77	42	3	5.5	5.0
USG 3592	**81.3**	**81.3**	**57.0**	**100**	**89**	**37**	**0**	**1.0**	**5.5**
LA95171CA58-3-2-C	80.2	80.2	55.5	87	78	36	2	5.0	4.5
PROGENY 110	**79.9**	**79.9**	**56.3**	**97**	**99**	**38**	**3**	**0.0**	**6.5**
LA95181BUB40-1	79.5	79.5	54.1	87	73	42	35	6.5	5.0
UGA951079-2E31	78.6	78.6	57.8	93	72	40	0	1.5	3.5
TERRAL LA841	**76.6**	**76.6**	**53.1**	**88**	**79**	**38**	**0**	**7.0**	**5.5**
VIGORO MCINTOSH	**75.8**	**75.8**	**59.2**	**100**	**89**	**42**	**3**	**0.5**	**4.0**
AGRIPRO/BERETTA	**75.1**	**75.1**	**53.5**	**93**	**84**	**34**	**2**	**2.0**	**5.0**
LA95181BUB40-2-2-C	74.2	75.9	54.5	100	70	42	13	4.5	5.0
LA98094BUB-58-5-B	73.1	73.1	55.4	100	65	36	0	2.0	4.5
B980582	72.5	72.5	58.9	97	74	41	2	3.5	5.5
TERRAL TV8466	**72.5**	**72.5**	**57.3**	**97**	**89**	**36**	**3**	**0.0**	**6.0**
LA96140BUA70-2	72.3	72.3	57.8	90	73	39	4	4.5	4.0
PIONEER/26R61	**72.1**	**72.1**	**57.4**	**93**	**77**	**42**	**1**	**7.5**	**5.5**
HBK 3266	**70.9**	**70.9**	**58.2**	**77**	**82**	**40**	**0**	**1.5**	**4.0**
USG 3209	**69.1**	**69.1**	**55.7**	**95**	**81**	**36**	**28**	**3.0**	**5.0**
LA95125BUB73-2-2-B	68.6	68.6	52.7	97	67	39	2	4.5	6.0
AGS 2000	**67.4**	**67.4**	**56.6**	**77**	**75**	**38**	**0**	**7.5**	**6.5**
PROGENY 185	**67.4**	**67.4**	**55.0**	**98**	**92**	**36**	**10**	**0.5**	**5.5**
AGRIPRO/PANOLA	**67.2**	**67.2**	**56.2**	**85**	**86**	**39**	**35**	**2.5**	**5.0**
TERRAL TV8558	**66.3**	**66.3**	**56.8**	**83**	**85**	**38**	**5**	**0.5**	**5.5**
B980696	64.5	64.5	50.6	95	103	34	1	0.0	6.5
DK 7710	**63.7**	**63.7**	**51.3**	**88**	**98**	**37**	**6**	**0.0**	**7.0**
AGRIPRO/APW749	62.2	63.8	57.3	70	81	39	48	2.0	4.5
DK 1551W	**61.4**	**61.4**	**56.6**	**90**	**77**	**37**	**60**	**2.5**	**5.0**
CROPLAN 517W	**61.1**	**61.1**	**55.1**	**100**	**84**	**35**	**3**	**2.5**	**5.0**
PAT	**61.1**	**61.1**	**54.5**	**97**	**91**	**40**	**15**	**0.0**	**5.0**
DK 9650	**60.8**	**60.8**	**50.3**	**90**	**91**	**37**	**3**	**0.0**	**5.5**
PROGENY 125	**60.3**	**60.3**	**55.6**	**80**	**95**	**39**	**0**	**0.0**	**6.5**
TERRAL TVX84W451	59.9	59.9	48.4	80	92	35	2	0.5	5.5
DK 7830	**59.6**	**59.6**	**54.8**	**92**	**101**	**35**	**3**	**0.0**	**6.5**
ARMOR 2010	**59.5**	**59.5**	**55.1**	**88**	**91**	**38**	**4**	**0.0**	**6.5**
DIXIE 900	**58.1**	**58.1**	**55.2**	**100**	**100**	**37**	**3**	**0.0**	**7.0**
PROGENY 133	**57.5**	**57.5**	**55.5**	**100**	**98**	**36**	**2**	**0.0**	**7.0**
LA952D3-1-3-C	56.8	56.8	54.3	82	69	36	53	4.5	6.5
LA96408D-89-3-2-B	55.9	57.6	57.4	63	77	36	43	2.5	5.5
CROPLAN 554W	**55.6**	**55.6**	**54.2**	**97**	**87**	**36**	**5**	**0.5**	**5.5**

Table 5. Wheat performance trial at Crowley, LA for 2005.

Brand / variety	Grain Yield * Actual (bu/a)	Grain Yield * LS Mean (bu/a)	Test Wt (lbs/bu)	Stand (%)	Head Day (day of yr)	Plant Height (in)	Leaf Rust (%)	Fus Head Blight # (0-9)	Pheno -type (0-9)
DELTA GROW 4100	**54.9**	**54.9**	**57.8**	**100**	**100**	**37**	**0**	**0.0**	**5.5**
USG EXP. 910	54.2	54.2	54.4	93	90	38	0	0.0	7.0
DK 9577	**53.1**	**51.4**	**56.0**	**80**	**86**	**35**	**20**	**1.5**	**5.5**
LA95283CA78-1-2-B	52.1	52.1	55.2	88	72	36	3	5.5	5.5
TERRAL TV8502	**50.4**	**50.4**	**55.3**	**100**	**100**	**38**	**2**	**0.0**	**6.5**
USG 3350	**49.8**	**49.8**	**57.1**	**100**	**98**	**38**	**2**	**0.0**	**7.0**
RO 33	**48.9**	**47.3**	**56.4**	**95**	**101**	**36**	**2**	**0.0**	**7.0**
DIXIE 9512	**46.5**	**46.5**	**53.8**	**98**	**76**	**39**	**3**	**0.0**	**6.5**
VIGORO V9513	**45.5**	**45.5**	**54.0**	**97**	**81**	**36**	**4**	**0.0**	**7.0**
PROGENY 166	**44.8**	**44.8**	**55.8**	**93**	**98**	**37**	**2**	**0.0**	**7.0**
DIXIE 9812	**42.9**	**42.9**	**57.3**	**97**	**90**	**37**	**2**	**0.0**	**6.0**
ARMOR 3330	**42.2**	**42.2**	**55.5**	**85**	**99**	**36**	**10**	**0.0**	**6.5**
PROGENY 156	**42.2**	**40.6**	**54.1**	**77**	**99**	**36**	**3**	**0.0**	**7.0**
PROGENY 145	**42.1**	**42.1**	**56.1**	**85**	**98**	**38**	**0**	**0.5**	**7.5**
COKER 9375	**41.3**	**41.3**	**54.9**	**87**	**88**	**40**	**63**	**2.0**	**5.5**
DELTA GROW 4200	**41.0**	**41.0**	**56.4**	**95**	**100**	**37**	**0**	**0.0**	**7.5**
MCCORMICK	**38.4**	**38.4**	**54.7**	**95**	**98**	**32**	**58**	**0.0**	**7.5**
DELTA GROW 4500	**29.1**	**27.5**	**47.8**	**53**	**102**	**36**	**23**	**0.0**	**7.5**
ARMOR 3035	**25.0**	**25.0**	**55.1**	**52**	**96**	**37**	**15**	**0.0**	**7.0**
Mean	**63.0**		**55.5**	**89**	**86**	**38**	**10**	**1.8**	**5.7**
CV	**20**		**4**	**20**	**2**	**5**	**85**	**46**	**15**
LSD	**17.9**		**2.9**	**24**	**3**	**2**	**15**	**1.4**	**1.4**

Rice Research Station, Crowley, LA. Jason Bond and

Cultural and Site: Crowley silt loam. Fallow previous crop. 0-60-60 preplant fertiizer on 11/15/2004. Planted 11/16/2004. 92-0-0 topdress on 2/10/2005. 3oz/acre Sencor plus 0.4 oz/acre Amber herbicides on 12/15/2004. Harvested on May 17, 2005.

A rainy period began on November 17 and lasted until the end of November. Some stand loss, particularly in the first replication, occurred in November due to the rainy period and puddling. Cold weather in late December burned leaf tips but did not cause any significant damage. Rainfall was adequate but light from early December through January. Heading was very erratic, but overall there were few problems after the initial wet period after planting

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

* **Stand** is precent stand estimated in early winter. One rep and some plots discarded due to poor stands resulting from heavy rainfall after planting. LS Mean is a statistitcal estimate that attempts to compensate for the missing plots (not entire rep).

Fusarium headblight (scab) rating at maturity, where: 0 - no scab, 9 = majority of heads have significant scabby florets.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 6. Wheat performance trial across North Louisiana (Alexandria, Bossier City, and Winnsboro) for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
TERRAL LA841	**93.8**	**60.8**	**92**	**36**	**0.0**	**0**	**0**	**3.1**
VIGORO MCINTOSH	**89.8**	**61.2**	**96**	**39**	**1.5**	**2**	**1**	**3.5**
LA95181BUB40-1	88.4	59.2	90	40	0.0	1	7	3.6
AGRIPRO/APW742	87.2	61.6	95	35	1.5	1	4	3.4
LA95181BUB40-2-2-C	87.2	59.8	92	40	0.5	7	7	4.0
DK GR9108	**86.9**	**58.8**	**95**	**40**	**1.0**	**2**	**0**	**3.5**
LA95171CA58-3-2-C	86.2	61.1	95	38	1.0	3	1	4.1
AGRIPRO/NATCHEZ	**85.5**	**59.8**	**104**	**38**	**2.5**	**3**	**0**	**4.5**
UGA951216-2E26	84.6	61.4	95	39	0.0	1	0	2.5
LA95135D54-2-3-C	84.5	60.5	97	39	1.5	8	0	3.3
AGRIPRO/APW749	83.9	60.8	95	36	2.0	4	6	4.1
UGA951079-2E31	83.5	60.8	93	39	0.5	0	0	3.3
LA9560CA22-1	81.1	61.7	91	41	1.0	23	0	3.3
LA9554D68-3-2-C	80.6	59.1	93	36	1.0	3	4	3.6
TERRAL TV8466	**79.7**	**58.7**	**101**	**36**	**0.5**	**3**	**1**	**4.5**
LA97113UC-124-3-B	79.0	61.2	95	39	1.0	4	1	4.4
DK 9577	**77.9**	**59.4**	**100**	**35**	**0.0**	**16**	**1**	**5.4**
LA98094BUB-58-5-B	76.2	61.6	82	33	1.0	0	0	4.3
PIONEER/26R61	**75.4**	**61.9**	**94**	**38**	**0.0**	**3**	**0**	**4.0**
AGRIPRO/PANOLA	**74.3**	**58.8**	**96**	**35**	**2.0**	**8**	**15**	**5.8**
PAT	**73.7**	**60.0**	**105**	**39**	**0.0**	**2**	**2**	**4.1**
LA96140BUA70-2	73.5	61.4	92	35	1.0	0	2	3.5
LA95283CA78-1-2-B	73.3	62.6	87	36	0.5	0	1	3.5
PROGENY 185	**72.9**	**58.2**	**101**	**35**	**0.5**	**14**	**0**	**4.8**
ARMOR 2010	**71.4**	**59.7**	**100**	**39**	**1.5**	**4**	**2**	**5.5**
AGRIPRO/BERETTA	**71.4**	**58.9**	**101**	**34**	**0.5**	**6**	**0**	**5.5**
TERRAL TV8558	**71.4**	**58.2**	**102**	**36**	**0.0**	**17**	**3**	**5.5**
DIXIE 9812	**70.9**	**60.0**	**99**	**39**	**2.0**	**10**	**1**	**5.1**
DK 1551W	**70.3**	**59.5**	**100**	**34**	**1.5**	**3**	**10**	**4.9**
DELTA GROW 4100	**70.1**	**59.8**	**104**	**40**	**1.5**	**1**	**1**	**5.3**
DK 7830	**69.7**	**60.0**	**102**	**40**	**1.5**	**3**	**1**	**5.3**
LA96408D-89-3-2-B	69.1	60.6	96	37	1.0	25	1	4.6
DK 7710	**68.7**	**59.1**	**104**	**39**	**0.0**	**0**	**5**	**5.4**
TERRAL TV8565	**68.3**	**59.4**	**105**	**41**	**0.5**	**1**	**2**	**5.4**
TERRAL TV8450	**68.3**	**59.4**	**99**	**41**	**1.5**	**6**	**4**	**5.6**
DK 9410	**68.0**	**60.3**	**103**	**40**	**0.5**	**1**	**1**	**5.5**
PROGENY 166	**67.7**	**59.2**	**104**	**40**	**0.5**	**1**	**2**	**5.4**
PROGENY 133	**67.1**	**60.2**	**103**	**40**	**1.5**	**3**	**2**	**5.1**
USG 3209	**66.9**	**59.0**	**94**	**30**	**1.5**	**29**	**15**	**5.9**
ARMOR 3035	**66.4**	**59.8**	**105**	**41**	**1.0**	**1**	**1**	**5.0**
RO 33	**66.4**	**59.9**	**105**	**40**	**0.5**	**0**	**1**	**5.9**
PROGENY 145	**66.4**	**60.1**	**101**	**41**	**1.0**	**6**	**1**	**5.1**
NK/B980696	66.1	57.3	109	37	0.0	0	0	5.4
VIGORO V9513	**65.7**	**58.8**	**104**	**39**	**0.0**	**0**	**4**	**5.5**
TERRAL TV8502	**65.4**	**59.9**	**104**	**40**	**0.5**	**3**	**1**	**5.5**

Table 6. Wheat performance trial across North Louisiana (Alexandria, Bossier City, and Winnsboro) for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
RO 23	**65.3**	**59.5**	**101**	**40**	**2.0**	**7**	**0**	**5.6**
USG 3350	**65.2**	**59.8**	**104**	**39**	**0.0**	**1**	**1**	**5.6**
ARMOR 3330	**64.4**	**59.5**	**104**	**39**	**1.0**	**2**	**3**	**5.3**
DK 7900	**64.2**	**60.0**	**105**	**41**	**1.0**	**1**	**2**	**5.0**
DIXIE 900	**63.6**	**59.6**	**105**	**41**	**1.0**	**0**	**1**	**5.9**
HBK 3266	**63.2**	**60.0**	**97**	**35**	**1.5**	**49**	**0**	**5.3**
DIXIE 9512	**63.2**	**60.5**	**102**	**40**	**1.5**	**6**	**2**	**5.4**
DELTA GROW 4200	**62.9**	**59.2**	**105**	**40**	**0.5**	**1**	**1**	**6.0**
AGS 2000	**62.4**	**59.9**	**94**	**35**	**2.5**	**69**	**0**	**6.3**
PROGENY 156	**62.3**	**58.9**	**105**	**37**	**2.0**	**5**	**1**	**5.5**
PROGENY 110	**62.2**	**59.3**	**102**	**40**	**1.0**	**14**	**1**	**5.4**
DELTA GROW 4500	**58.6**	**58.9**	**103**	**40**	**1.5**	**3**	**1**	**5.1**
NK/COKER 9152	**56.5**	**59.5**	**98**	**38**	**1.5**	**57**	**0**	**6.4**
NK/B980582	56.5	61.2	97	33	0.5	60	0	7.0
USG 3592	**56.4**	**61.4**	**99**	**34**	**2.5**	**46**	**0**	**6.4**
LA952D3-1-3-C	56.4	57.9	93	33	3.0	6	34	6.3
NK/COKER 9375	**53.5**	**56.7**	**102**	**37**	**1.0**	**35**	**4**	**6.4**
LA95125BUB73-2-2-B	52.3	60.1	86	33	1.5	60	0	4.6
TERRAL TVX84W451	49.6	57.2	100	32	0.0	46	2	6.0
CROPLAN 517W	**48.7**	**58.6**	**96**	**30**	**0.5**	**55**	**1**	**6.9**
DK 9650	**48.4**	**56.5**	**101**	**33**	**0.0**	**48**	**1**	**5.9**
CROPLAN 554W	**40.6**	**58.1**	**101**	**31**	**0.0**	**51**	**16**	**6.4**
USG EXP. 910	38.8	58.3	103	35	0.0	43	0	6.4
PROGENY 125	**37.4**	**56.7**	**103**	**34**	**0.5**	**46**	**0**	**6.3**
MCCORMICK	**36.7**	**59.1**	**104**	**31**	**0.0**	**29**	**40**	**7.0**
Mean	**68.4**	**59.7**	**99**	**37**	**0.9**	**14**	**3**	**5.1**
CV	**11**	**2**	**2**	**5**		**54**	**132**	**13**
LSD	**10.4**	**1.0**	**4**	**2**		**18**	**1**	**0.9**

Contains data for Alexandria, Bossier City, and Winnsboro, LA for 2005.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 7. Wheat performance trial across North Louisiana for two years, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Sep -toria	Pheno -type 0-9
TERRAL LA841	**93.5**	**59.0**	**89**	**39**	**0.4**	**1**	**0**	**1.8**	**3.3**
VIGORO MCINTOSH	**89.5**	**59.6**	**94**	**37**	**1.6**	**1**	**1**	**2.2**	**3.7**
DK GR9108	**88.1**	**57.4**	**91**	**40**	**0.3**	**3**	**1**	**2.2**	**3.8**
LA95181BUB40-1	87.3	58.4	87	39	0.4	1	5	1.6	3.4
LA95135D54-2-3-C	87.1	59.0	93	41	2.0	5	0	1.8	3.3
LA9560CA22-1	86.5	61.2	89	39	1.1	21	0	2.3	3.5
AGRIPRO/NATCHEZ	**84.3**	**58.5**	**100**	**41**	**2.0**	**2**	**0**	**1.8**	**4.8**
TERRAL TV8466	**83.2**	**57.9**	**98**	**40**	**0.2**	**4**	**1**	**2.2**	**5.5**
LA97113UC-124-3-B	82.0	60.1	92	40	0.3	3	1	2.2	4.1
LA96140BUA70-2	80.6	60.5	89	39	0.3	0	1	1.8	3.7
LA95283CA78-1-2-B	79.9	60.8	85	39	0.5	0	1	2.0	3.3
AGRIPRO/PANOLA	**79.5**	**57.9**	**93**	**38**	**1.8**	**5**	**11**	**2.4**	**5.0**
DIXIE 9812	**78.9**	**58.8**	**96**	**44**	**0.7**	**7**	**7**	**2.8**	**5.8**
DK 1551W	**77.4**	**58.0**	**97**	**38**	**0.5**	**5**	**6**	**2.2**	**4.9**
PAT	**76.6**	**59.0**	**102**	**42**	**0.0**	**2**	**3**	**2.2**	**4.4**
USG 3209	**75.3**	**57.9**	**90**	**38**	**2.0**	**25**	**10**	**2.0**	**5.6**
RO 33	**71.1**	**58.9**	**102**	**44**	**0.2**	**0**	**12**	**2.6**	**6.4**
DIXIE 900	**70.7**	**58.9**	**102**	**42**	**0.3**	**0**	**6**	**2.6**	**6.1**
RO 23	**70.5**	**58.5**	**98**	**44**	**1.0**	**5**	**4**	**2.6**	**6.3**
DK 7830	**70.0**	**59.0**	**100**	**42**	**0.9**	**2**	**6**	**2.4**	**6.0**
TERRAL TV8450	**70.0**	**58.1**	**96**	**41**	**0.5**	**5**	**15**	**2.2**	**6.4**
DK 7710	**69.5**	**58.3**	**101**	**43**	**0.8**	**0**	**6**	**2.4**	**5.8**
TERRAL TV8565	**68.8**	**58.5**	**101**	**41**	**0.5**	**0**	**7**	**2.2**	**6.1**
DK 9410	**68.3**	**59.0**	**101**	**42**	**0.2**	**1**	**12**	**2.6**	**6.0**
PROGENY 145	**68.3**	**58.9**	**98**	**43**	**0.7**	**4**	**6**	**3.0**	**5.9**
TERRAL TV8502	**68.1**	**58.9**	**102**	**41**	**0.5**	**2**	**10**	**2.6**	**6.2**
COKER 9375	**67.9**	**56.4**	**99**	**44**	**1.8**	**24**	**3**	**2.5**	**6.1**
ARMOR 3035	**67.8**	**58.7**	**102**	**42**	**0.3**	**0**	**9**	**2.6**	**6.0**
USG 3350	**67.5**	**58.8**	**102**	**42**	**0.0**	**1**	**7**	**2.4**	**6.3**
ARMOR 3330	**67.3**	**58.1**	**101**	**40**	**0.7**	**1**	**11**	**2.2**	**5.8**
PROGENY 133	**67.2**	**59.1**	**100**	**40**	**0.5**	**2**	**12**	**3.4**	**5.8**
PROGENY 110	**66.9**	**58.2**	**100**	**41**	**0.7**	**9**	**7**	**2.6**	**5.9**
PROGENY 166	**66.9**	**58.3**	**102**	**39**	**0.2**	**1**	**11**	**3.0**	**6.3**
DK 7900	**66.1**	**58.8**	**101**	**41**	**0.7**	**1**	**12**	**2.2**	**5.7**
HBK 3266	**65.4**	**58.4**	**92**	**40**	**1.3**	**58**	**0**	**3.5**	**5.7**
DELTA GROW 4200	**64.5**	**58.8**	**102**	**43**	**0.2**	**1**	**10**	**2.4**	**6.5**
AGS 2000	**64.4**	**57.5**	**90**	**38**	**1.2**	**74**	**0**	**3.5**	**6.2**
DELTA GROW 4500	**64.3**	**58.0**	**100**	**40**	**1.3**	**2**	**11**	**2.8**	**5.9**
COKER 9152	**63.2**	**58.1**	**95**	**41**	**1.3**	**51**	**0**	**3.0**	**5.8**
PROGENY 156	**62.7**	**57.9**	**103**	**38**	**1.0**	**8**	**2**	**2.8**	**6.3**
USG 3592	**62.0**	**59.1**	**96**	**39**	**2.5**	**52**	**0**	**3.5**	**5.9**
MCCORMICK	**49.1**	**58.0**	**100**	**34**	**1.1**	**23**	**27**	**2.3**	**7.0**
Mean	**72.8**	**58.6**	**97**	**40**	**0.8**	**10**	**6**	**2.4**	**5.4**
CV	**12**	**2**	**2**	**7**	**127**	**71**	**113**	**25**	**11**
LSD	**7.9**	**0.8**	**2**	**3**	**0.9**	**11**	**11**	**0.7**	**1.1**

Contains data for Alexandria, Bossier City, and Winnsboro, LA for 2005, and Winnsboro and Bossier City for 2004.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

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Table 8. Wheat performance trial across North Louisiana for three years, 2003, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day off yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Sep -toria 0-9	Pheno -type 0-9
TERRAL LA841	**89.6**	**57.6**	**90**	**38**	**0.9**	**0**	**0**	**1.4**	**3.3**
LA95181BUB40-1	86.4	57.1	89	40	0.8	1	3	1.3	3.3
AGRIPRO/NATCHEZ	**86.2**	**57.0**	**99**	**40**	**1.6**	**3**	**0**	**1.6**	**4.7**
TERRAL TV8466	**83.4**	**56.5**	**98**	**39**	**0.7**	**6**	**1**	**1.8**	**5.5**
AGRIPRO/PANOLA	**81.4**	**56.9**	**94**	**38**	**1.2**	**3**	**8**	**1.9**	**3.8**
DIXIE 9812	**80.0**	**57.3**	**97**	**43**	**1.0**	**5**	**8**	**2.6**	**5.2**
LA96140BUA70-2	79.5	59.2	90	39	0.9	1	1	1.7	3.2
DK 1551W	**79.5**	**57.0**	**98**	**38**	**0.9**	**4**	**5**	**1.7**	**4.5**
USG 3209	**78.0**	**57.0**	**91**	**35**	**1.5**	**21**	**7**	**1.5**	**4.8**
PAT	**76.7**	**57.3**	**102**	**41**	**0.5**	**2**	**2**	**1.8**	**4.3**
RO 33	**76.7**	**57.2**	**101**	**43**	**0.9**	**0**	**10**	**2.0**	**5.3**
DIXIE 900	**75.7**	**57.3**	**102**	**42**	**0.9**	**0**	**5**	**2.1**	**5.1**
RO 23	**74.5**	**57.1**	**98**	**43**	**1.2**	**5**	**6**	**2.4**	**5.7**
COKER 9375	**73.7**	**55.0**	**99**	**42**	**1.4**	**15**	**2**	**2.0**	**5.3**
TERRAL TV8565	**73.5**	**57.0**	**101**	**42**	**1.0**	**0**	**7**	**1.9**	**5.2**
TERRAL TV8502	**73.3**	**57.5**	**101**	**42**	**1.1**	**1**	**8**	**2.2**	**5.5**
TERRAL TV8450	**73.0**	**56.9**	**96**	**42**	**0.9**	**7**	**12**	**1.9**	**5.5**
AGS 2000	**71.4**	**56.7**	**91**	**39**	**1.3**	**58**	**0**	**2.2**	**5.0**
USG 3350	**70.9**	**57.2**	**101**	**42**	**0.7**	**1**	**6**	**1.9**	**5.1**
DK 9410	**70.9**	**57.4**	**101**	**42**	**0.9**	**1**	**10**	**2.2**	**5.5**
DK 7900	**70.4**	**57.1**	**101**	**41**	**1.3**	**0**	**10**	**2.0**	**5.4**
DELTA GROW 4200	**70.0**	**57.1**	**101**	**43**	**0.9**	**0**	**10**	**2.3**	**5.4**
HBK 3266	**69.8**	**57.6**	**93**	**40**	**1.6**	**53**	**0**	**2.2**	**4.9**
USG 3592	**69.2**	**57.9**	**97**	**40**	**2.4**	**45**	**0**	**1.8**	**5.3**
DELTA GROW 4500	**68.1**	**56.7**	**100**	**41**	**1.2**	**3**	**11**	**2.3**	**5.4**
COKER 9152	**67.9**	**56.9**	**96**	**42**	**1.1**	**34**	**0**	**1.9**	**4.9**
MCCORMICK	**61.3**	**57.0**	**100**	**35**	**1.0**	**16**	**21**	**1.9**	**5.8**
Mean	**75.2**	**57.1**	**97**	**40**	**1.1**	**11**	**6**	**1.9**	**4.9**
CV	**13**	**2**	**2**	**6**	**76**	**74**	**123**	**28**	**14**
LSD	**6.4**	**0.7**	**2**	**2**	**0.6**	**10**	**9**	**0.5**	**0.7**

Contains data for Alexandria, Bossier City, and Winnsboro, LA for 2005; Winnsboro and Bossier City for 2004; and Alexandria, St. Joseph, and Winnsboro for 2003.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 9. Wheat performance trial at Alexandria, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno type 0-9	Bird Damage 0-9
TERRAL TV8466	**104.1**	**59.5**	**93**	**43**	**0.5**	**0**	**0**	**4.0**	**0.0**
TERRAL LA841	**101.4**	**59.9**	**87**	**43**	**0.0**	**0**	**0**	**3.0**	**0.5**
AGRIPRO/APW742	98.0	61.9	91	41	1.5	0	6	3.5	0.0
LA9554D68-3-2-C	96.6	59.3	87	40	1.0	8	2	3.5	0.0
AGRIPRO/NATCHEZ	**95.2**	**59.5**	**102**	**41**	**2.5**	**0**	**0**	**4.0**	**0.0**
VIGORO MCINTOSH	**94.8**	**60.8**	**91**	**45**	**1.5**	**0**	**1**	**3.5**	**0.5**
LA95181BUB40-2-2-C	94.2	59.8	85	45	0.5	20	2	4.0	2.5
LA95135D54-2-3-C	93.7	60.8	91	47	1.5	0	0	3.0	0.0
DK 9577	**93.6**	**59.7**	**97**	**41**	**0.0**	**0**	**4**	**5.5**	**0.0**
LA95181BUB40-1	93.4	58.8	81	45	0.0	0	11	3.5	1.0
PROGENY 185	**93.4**	**58.9**	**102**	**42**	**0.5**	**0**	**0**	**4.0**	**0.0**
DK GR9108	**93.0**	**58.8**	**89**	**47**	**1.0**	**0**	**0**	**3.5**	**1.0**
LA95171CA58-3-2-C	92.9	60.2	89	43	1.0	0	4	4.0	1.5
UGA951216-2E26	92.5	60.8	91	43	0.0	0	0	2.0	0.0
LA9560CA22-1	90.9	59.3	82	46	1.0	10	0	3.0	2.0
UGA951079-2E31	90.6	59.8	91	44	0.5	0	0	3.0	0.0
AGRIPRO/APW749	89.1	58.2	91	43	2.0	10	10	4.5	0.0
ARMOR 2010	**89.1**	**59.7**	**98**	**45**	**1.5**	**0**	**1**	**4.5**	**0.0**
PAT	**88.5**	**60.5**	**103**	**44**	**0.0**	**0**	**3**	**3.5**	**0.0**
USG 3209	**88.1**	**59.8**	**88**	**37**	**1.5**	**0**	**23**	**5.0**	**0.0**
TERRAL TV8558	**87.1**		**101**	**43**	**0.0**	**0**	**6**	**5.0**	**0.0**
DIXIE 9812	**85.8**	**60.6**	**94**	**45**	**2.0**	**0**	**1**	**4.0**	**0.0**
LA97113UC-124-3-B	85.1	61.2	89	45	1.0	0	0	4.0	2.0
AGRIPRO/BERETTA	**83.6**	**58.8**	**98**	**41**	**0.5**	**0**	**0**	**5.0**	**0.0**
DK 1551W	**82.9**	**60.0**	**96**	**40**	**1.5**	**0**	**18**	**4.5**	**0.0**
PIONEER/26R61	**81.4**	**61.9**	**87**	**44**	**0.0**	**0**	**0**	**3.5**	**1.0**
LA96140BUBA70-2	80.5	61.1	84	44	1.0	0	3	3.0	0.0
AGRIPRO/PANOLA	**79.5**	**58.3**	**91**	**42**	**2.0**	**20**	**23**	**6.0**	**0.0**
HBK 3266	**79.0**	**59.7**	**91**	**41**	**1.5**	**10**	**0**	**4.5**	**0.0**
B980582	78.8	61.3	91	39	0.5	55	0	7.0	0.0
LA96408D-89-3-2-B	78.7	59.8	89	44	1.0	8	1	4.0	1.0
ARMOR 3330	**78.6**	**60.7**	**103**	**43**	**1.0**	**0**	**2**	**4.5**	**0.0**
LA98094BUB-58-5-B	78.6	60.7	68	35	1.0	0	0	4.0	4.5
DELTA GROW 4100	**78.2**	**60.9**	**103**	**44**	**1.5**	**0**	**2**	**4.5**	**0.0**
DK 7830	**77.6**	**60.2**	**103**	**45**	**1.5**	**0**	**0**	**4.5**	**0.0**
RO 23	**77.0**	**59.7**	**97**	**46**	**2.0**	**0**	**0**	**5.0**	**0.0**
ARMOR 3035	**75.8**	**60.9**	**103**	**45**	**1.0**	**0**	**0**	**4.0**	**0.0**
PROGENY 166	**75.7**		**103**	**46**	**0.5**	**0**	**3**	**4.5**	**0.0**
DK 7710	**75.5**	**60.0**	**103**	**45**	**0.0**	**0**	**0**	**4.5**	**0.0**
TERRAL TVX84W451	75.4	58.2	98	39	0.0	10	0	5.0	0.0
USG 3592	**75.4**	**61.8**	**96**	**41**	**2.5**	**3**	**0**	**5.5**	**0.0**
DK 7900	**75.3**	**61.6**	**103**	**46**	**1.0**	**0**	**2**	**4.0**	**0.0**
PROGENY 110	**75.3**	**57.7**	**102**	**45**	**1.0**	**0**	**0**	**4.5**	**0.0**
AGS 2000	**74.3**	**60.6**	**89**	**42**	**2.5**	**33**	**0**	**6.0**	**4.0**
DK 9410	**73.9**	**60.7**	**103**	**45**	**0.5**	**0**	**2**	**5.0**	**0.0**

Table 9. Wheat performance trial at Alexandria, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno type 0-9	Bird Damage 0-9
PROGENY 156	**73.8**	**59.7**	**103**	**43**	**2.0**	**0**	**0**	**4.5**	**0.0**
TERRAL TV8450	**73.6**	**59.7**	**89**	**46**	**1.5**	**0**	**8**	**5.0**	**0.0**
PROGENY 133	**73.4**	**61.1**	**103**	**44**	**1.5**	**0**	**1**	**4.5**	**0.0**
DELTA GROW 4500	**72.8**	**59.2**	**101**	**45**	**1.5**	**0**	**2**	**4.5**	**0.0**
PROGENY 145	**72.1**	**60.0**	**99**	**46**	**1.0**	**0**	**2**	**4.5**	**0.0**
VIGORO V9513	**72.1**	**59.4**	**103**	**44**	**0.0**	**0**	**2**	**4.5**	**0.0**
DIXIE 9512	**71.5**	**61.1**	**103**	**45**	**1.5**	**0**	**4**	**4.5**	**0.0**
DIXIE 900	**71.3**	**60.2**	**103**	**46**	**1.0**	**0**	**3**	**5.5**	**0.0**
DELTA GROW 4200	**71.0**	**60.1**	**103**	**45**	**0.5**	**0**	**0**	**5.5**	**0.0**
RO 33	**70.9**	**60.4**	**103**	**46**	**0.5**	**0**	**2**	**5.5**	**0.0**
TERRAL TV8502	**70.7**	**60.0**	**103**	**45**	**0.5**	**0**	**2**	**5.0**	**0.0**
DK 9650	**70.6**	**57.2**	**101**	**40**	**0.0**	**5**	**2**	**5.0**	**0.0**
USG 3350	**70.5**	**60.3**	**103**	**44**	**0.0**	**0**	**1**	**5.0**	**0.0**
LA952D3-1-3-C	70.1	58.6	87	37	3.0	20	25	6.5	0.5
CROPLAN 517W	**69.8**	**59.2**	**88**	**37**	**0.5**	**28**	**2**	**6.5**	**0.0**
TERRAL TV8565	**68.0**	**59.4**	**103**	**45**	**0.5**	**0**	**2**	**4.5**	**0.0**
COKER 9152	**67.9**	**59.7**	**98**	**44**	**1.5**	**30**	**0**	**6.0**	**0.0**
B980696	67.1	56.9		42	0.0	0	0	5.5	0.0
COKER 9375	**66.3**	**55.8**	**101**	**43**	**1.0**	**33**	**11**	**6.0**	**0.0**
LA95283CA78-1-2-B	64.7	61.1	77	39	0.5	0	0	3.5	3.0
CROPLAN 554W	**61.7**	**58.1**	**101**	**38**	**0.0**	**0**	**24**	**6.0**	**0.0**
PROGENY 125	**61.5**		**103**	**41**	**0.5**	**5**	**0**	**5.5**	**0.0**
USG EXP. 910	61.2	59.4	103	41	0.0	5	0	5.5	0.0
LA95125BUB73-2-2-B	56.5	60.3	73	38	1.5	20	0	3.5	2.5
MCCORMICK	**51.2**	**60.3**	**103**	**35**	**0.0**	**0**	**60**	**7.0**	**0.0**
Mean	**79.0**	**59.9**	**95**	**43**	**0.9**	**5**	**4**	**4.6**	**0.4**
CV	**9**	**2**	**3**	**3**	**69**	**117**	**165**	**19**	**172**
LSD	**8.7**	**1.8**	**5**	**2**	**1.1**	**9**	**11**	**1.5**	**1.1**

Dean Lee Research Station, Alexandria, LA. Steve Moore, Millie DeLoach,

Cultural and Site: Seed planted shallow in moist soil. Planted 11/10/2004 on Norwood silt loam. 100lbs of nitrogen (46-0-0) per acre applied 2/16/2005

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Some missing test weights due to human error. Bird damage: 0 = none, 9 = severe.

Table 10. Wheat performance trial at Bossier City, LA for 2005.

Brand / variety	Grain Yield 2005 bu/a	Grain Yield 2-yr bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Stripe Rust %	Leaf Rust %	Septoria 0-9
TERRAL LA841	**72.0**	**83.9**	**61.3**	**96**	**33**	**0**	**0**	**1.3**
LA9560CA22-1	56.7	82.1	62.2	96	38	30	0	2.5
LA97113UC-124-3-B	68.2	80.7	61.2	99	37	1	1	2.0
LA95135D54-2-3-C	62.6	77.4	60.4	100	35	15	1	1.7
DIXIE 9812	**51.0**	**76.1**	**59.7**	**102**	**37**	**16**	**1**	**2.7**
VIGORO MCINTOSH	**63.4**	**75.7**	**61.3**	**100**	**37**	**4**	**0**	**2.0**
LA96140BUA70-2	50.8	75.6	61.5	99	32	1	0	1.3
AGRIPRO/NATCHEZ	**63.4**	**74.4**	**59.9**	**108**	**37**	**3**	**0**	**1.7**
LA95283CA78-1-2-B	63.7	73.8	62.5	94	35	0	1	1.7
TERRAL TV8466	**54.5**	**73.8**	**57.2**	**107**	**34**	**1**	**1**	**1.7**
DK GR9108	**59.5**	**73.7**	**58.6**	**101**	**37**	**3**	**0**	**2.0**
DIXIE 900	**52.8**	**71.4**	**58.8**	**107**	**39**	**1**	**1**	**2.3**
RO 23	**50.2**	**71.1**	**59.0**	**104**	**38**	**4**	**0**	**2.0**
LA95181BUB40-1	60.9	70.6	59.5	97	38	1	1	1.3
RO 33	**52.5**	**70.4**	**59.5**	**107**	**39**	**1**	**0**	**2.0**
PAT	**55.7**	**69.9**	**59.8**	**108**	**37**	**2**	**0**	**2.0**
DK 1551W	**43.3**	**69.4**	**59.0**	**104**	**31**	**2**	**1**	**2.0**
AGRIPRO/PANOLA	**53.3**	**68.7**	**59.0**	**100**	**33**	**4**	**1**	**2.0**
TERRAL TV8450	**56.6**	**67.6**	**59.2**	**104**	**40**	**4**	**1**	**1.7**
TERRAL TV8502	**50.2**	**67.5**	**59.3**	**107**	**38**	**3**	**1**	**2.3**
COKER 9375	**33.8**	**67.3**	**56.9**	**106**	**34**	**33**	**0**	**2.5**
PROGENY 166	**58.7**	**67.1**	**58.3**	**107**	**40**	**1**	**1**	**2.3**
USG 3209	**35.9**	**66.3**	**57.5**	**100**	**27**	**37**	**0**	**1.5**
DK 9410	**56.4**	**66.0**	**59.7**	**106**	**40**	**1**	**1**	**2.0**
DK 7830	**53.9**	**65.9**	**59.1**	**105**	**38**	**4**	**0**	**2.0**
PROGENY 110	**44.7**	**65.0**	**59.6**	**104**	**38**	**23**	**1**	**2.0**
ARMOR 3330	**42.9**	**65.0**	**59.0**	**107**	**37**	**3**	**1**	**1.3**
DK 7710	**52.3**	**63.8**	**58.3**	**106**	**38**	**1**	**0**	**2.0**
PROGENY 133	**53.0**	**63.5**	**58.8**	**105**	**40**	**5**	**1**	**3.3**
ARMOR 3035	**49.8**	**63.3**	**59.1**	**108**	**39**	**1**	**0**	**2.0**
DK 7900	**48.8**	**63.3**	**58.6**	**107**	**39**	**2**	**2**	**1.7**
DELTA GROW 4200	**51.3**	**62.5**	**57.8**	**108**	**39**	**1**	**1**	**2.0**
PROGENY 145	**51.3**	**62.4**	**60.4**	**104**	**39**	**6**	**1**	**2.7**
USG 3350	**51.6**	**62.1**	**58.6**	**107**	**36**	**1**	**1**	**2.0**
COKER 9152	**35.6**	**61.9**	**58.9**	**101**	**36**	**68**	**0**	**3.0**
HBK 3266	**43.4**	**61.8**	**59.9**	**101**	**32**	**63**	**0**	
AGS 2000	**39.3**	**61.8**	**59.8**	**98**	**32**	**87**	**0**	
TERRAL TV8565	**58.3**	**58.6**	**59.1**	**108**	**41**	**1**	**1**	**1.7**
DELTA GROW 4500	**34.6**	**56.3**	**58.2**	**105**	**37**	**4**	**1**	**2.3**
USG 3592	**33.7**	**51.8**	**60.4**	**103**	**31**	**63**	**0**	
PROGENY 156	**41.0**	**48.7**	**57.5**	**108**	**35**	**6**	**0**	**2.3**
MCCORMICK	**20.9**	**46.8**	**58.0**	**106**	**31**	**67**	**1**	**3.0**
LA95171CA58-3-2-C	68.8		61.5	100	36	5	0	2.0
UGA951216-2E26	62.6		62.2	98	38	2	0	1.0
AGRIPRO/APW749	61.9		61.5	98	33	4	0	2.0

Table 10. Wheat performance trial at Bossier City, LA for 2005.

Brand / variety	Grain Yield 2005 bu/a	Grain Yield 2-yr bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Stripe Rust %	Leaf Rust %	Sep toria 0-9
AGRIPRO/APW742	59.9		61.6	98	33	2	0	1.3
LA98094BUB-58-5-B	59.5		61.9	91	32	1	0	1.3
UGA951079-2E31	57.6		61.8	94	37	0	0	0.7
PIONEER/26R61	**57.5**		**62.0**	**99**	**35**	**1**	**1**	**1.3**
ARMOR 2010	**54.9**		**59.7**	**102**	**38**	**5**	**1**	**2.0**
DELTA GROW 4100	**53.5**		**58.8**	**108**	**38**	**1**	**1**	**2.0**
LA9554D68-3-2-C	53.5		58.8	97	33	1	1	2.0
LA95181BUB40-2-2-C	52.3		60.0	98	37	0	1	1.3
B980696	52.1		57.7	111	36	0	0	1.3
DK 9577	**48.7**		**59.2**	**103**	**32**	**30**	**0**	**2.3**
AGRIPRO/BERETTA	**47.4**		**58.9**	**105**	**33**	**8**	**0**	**2.3**
DIXIE 9512	**47.1**		**59.5**	**105**	**38**	**10**	**1**	**2.3**
LA96408D-89-3-2-B	46.9		60.9	101	34	23	0	2.0
VIGORO V9513	**44.8**		**58.0**	**106**	**37**	**1**	**0**	**2.0**
PROGENY 185	**44.4**		**57.1**	**102**	**32**	**30**	**0**	**2.0**
TERRAL TV8558	**39.0**		**57.6**	**105**	**33**	**30**	**1**	**2.3**
B980582	36.3		61.0	101	31	50	0	3.0
LA952D3-1-3-C	35.1		57.7	98	32	1	3	2.3
LA95125BUB73-2-2-B	32.8		60.2	89	31	80	0	
DK 9650	**26.7**		**55.8**	**104**	**31**	**70**	**1**	
CROPLAN 517W	**22.5**		**57.6**	**101**	**28**	**63**	**0**	
TERRAL TVX84W451	21.9		56.0	103	29	73	1	2.0
USG EXP. 910	18.6		57.3	106	32	67	0	
PROGENY 125	**18.4**		**55.3**	**106**	**31**	**73**	**0**	
CROPLAN 554W	**17.2**		**57.9**	**103**	**26**	**78**	**0**	
Mean	**48.5**	**67.5**	**59.3**	**103**	**35**	**18**	**1**	**1.9**
CV	**20**	**16**	**2**	**1**	**5**	**45**	**115**	**32**
LSD	**11.8**	**14.5**	**1.4**	**1**	**2**	**11**	**1**	**0.9**

Red River Research Station, Bossier City, LA. Jose Liscano, Jim Rabb, and Pat Colyer.

Cultural and Site: Latanier silty clay loam. Fallow previous crop. No preplant fertilizer. Glean 1/3 oz preplant herbicide. Planted 11/13/04. Harvested 5/30/2005. 120-0-0 topdress on 2/14/2004. Plot size harvested = 82 ft-sqq.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Warm weather during the late Fall and a sudden decrease of temperature may have affected the wheat. Tillering was poor . We also had a very dry seed filling period.

Table 11. Wheat performance trial at Winnsboro, LA for 2005, with 2-yr and 3-yr mean yields. Sorted by 2-yr yields.

	Grain Yield			Test	Head	Plant	Stripe	Leaf	Pheno
	2005	2-yr	3-yr	Wt	Day	Height	Rust	Rust	type
Brand / variety		bu/a		lbs/bu	day of yr	in	%	%	0-9
LA95181BUB40-1	112.2	101.6	100.0	59.2	84	38	3	12	3.8
VIGORO MCINTOSH	**111.1**	**100.7**		**61.3**	**94**	**39**	**1**	**2**	**3.5**
DK GR9108	**108.4**	**100.1**		**59.0**	**91**	**40**	**4**	**1**	**3.5**
TERRAL LA841	**108.0**	**99.2**	**92.4**	**60.7**	**89**	**37**	**1**	**0**	**3.3**
LA95135D54-2-3-C	97.3	93.5		60.5	95	38	4	0	3.5
LA95283CA78-1-2-B	89.2	91.8		63.1	84	36	0	2	3.5
AGRIPRO/PANOLA	**91.4**	**90.2**	**88.3**	**59.1**	**94**	**34**	**2**	**30**	**5.5**
LA9560CA22-1	98.0	89.3		62.4	90	42	25	0	3.5
AGRIPRO/NATCHEZ	**97.8**	**88.6**	**88.4**	**60.0**	**99**	**37**	**5**	**0**	**5.0**
LA96140BUA70-2	89.3	85.6	83.2	61.7	89	35	0	3	4.0
TERRAL TV8466	**86.8**	**84.7**	**82.3**	**59.7**	**96**	**34**	**8**	**2**	**5.0**
LA97113UC-124-3-B	83.7	81.9		61.2	92	36	13	1	4.8
DK 1551W	**78.0**	**81.6**	**81.8**	**59.7**	**97**	**35**	**8**	**15**	**5.3**
PAT	**84.3**	**80.2**	**75.9**	**60.0**	**101**	**39**	**5**	**6**	**4.8**
DIXIE 9812	**79.7**	**79.1**	**78.8**	**60.1**	**96**	**37**	**13**	**3**	**6.3**
USG 3209	**76.6**	**77.9**	**77.2**	**60.0**	**91**	**30**	**45**	**30**	**6.8**
PROGENY 145	**77.2**	**72.8**		**59.8**	**97**	**42**	**20**	**1**	**5.8**
DK 7710	**78.2**	**72.2**		**59.4**	**102**	**36**	**0**	**18**	**6.3**
RO 33	**75.9**	**71.9**	**77.7**	**60.1**	**101**	**38**	**0**	**3**	**6.3**
USG 3350	**73.7**	**71.5**	**71.3**	**60.5**	**100**	**40**	**3**	**1**	**6.3**
PROGENY 156	**72.0**	**71.2**		**59.6**	**100**	**37**	**8**	**3**	**6.5**
TERRAL TV8450	**76.1**	**71.0**	**73.6**	**59.5**	**98**	**40**	**15**	**4**	**6.3**
DK 7830	**75.5**	**70.8**		**60.4**	**96**	**39**	**5**	**4**	**6.0**
DIXIE 900	**68.5**	**69.8**	**71.3**	**60.0**	**101**	**40**	**0**	**2**	**6.3**
COKER 9375	**61.9**	**68.9**	**72.2**	**56.7**	**95**	**38**	**40**	**0**	**6.8**
DK 9410	**75.3**	**68.6**	**69.7**	**60.5**	**98**	**37**	**3**	**2**	**6.0**
ARMOR 3035	**73.8**	**68.3**		**59.9**	**101**	**40**	**1**	**3**	**6.0**
TERRAL TV8565	**76.1**	**68.1**	**71.2**	**59.7**	**100**	**39**	**0**	**3**	**6.3**
DELTA GROW 4500	**68.3**	**68.0**	**74.0**	**59.5**	**99**	**39**	**4**	**1**	**5.8**
PROGENY 133	**74.9**	**67.9**		**60.8**	**97**	**38**	**5**	**6**	**5.8**
TERRAL TV8502	**72.7**	**67.6**	**70.9**	**60.5**	**99**	**38**	**8**	**2**	**6.0**
RO 23	**68.7**	**66.8**	**71.0**	**60.1**	**98**	**39**	**20**	**1**	**6.3**
ARMOR 3330	**73.4**	**66.4**		**59.5**	**99**	**38**	**3**	**7**	**6.0**
USG 3592	**60.2**	**65.4**	**71.9**	**62.4**	**96**	**34**	**65**	**0**	**7.3**
PROGENY 110	**66.6**	**64.6**		**59.8**	**99**	**41**	**15**	**2**	**6.3**
DK 7900	**68.5**	**64.4**	**67.0**	**60.2**	**101**	**38**	**0**	**4**	**6.0**
DELTA GROW 4200	**66.4**	**63.2**	**66.0**	**59.9**	**101**	**37**	**0**	**3**	**6.5**
HBK 3266	**67.3**	**62.3**	**66.3**	**60.3**	**95**	**37**	**65**	**0**	**6.0**
PROGENY 166	**68.6**	**62.2**		**60.2**	**100**	**37**	**5**	**3**	**6.3**
COKER 9152	**66.0**	**62.1**	**65.2**	**59.9**	**94**	**39**	**68**	**0**	**6.8**
AGS 2000	**68.0**	**61.7**	**70.0**	**59.6**	**90**	**33**	**80**	**0**	**6.5**
MCCORMICK	**38.0**	**50.4**	**60.0**	**59.4**	**99**	**27**	**0**	**80**	**7.0**
LA95181BUB40-2-2-C	116.7			59.6	86	40	3	23	4.0
AGRIPRO/APW742	103.7			61.5	92	35	0	8	3.3
UGA951079-2E31	102.2			60.6	93	39	1	0	3.5

Table 11. Wheat performance trial at Winnsboro, LA for 2005, with 2-yr and 3-yr mean yields. Sorted by 2-yr yields.

	Grain Yield			Test	Head	Plant	Stripe	Leaf	Pheno
	2005	2-yr	3-yr	Wt	Day	Height	Rust	Rust	type
Brand / variety		bu/a		lbs/bu	day of yr	in	%	%	0-9
AGRIPRO/APW749	102.0			60.7	91	34	0	10	3.8
UGA951216-2E26	100.8			60.8	94	38	0	1	3.0
LA9554D68-3-2-C	99.7			59.3	89	37	2	10	3.8
LA95171CA58-3-2-C	97.0			61.1	91	38	1	1	4.3
TERRAL TV8558	**95.9**			**58.9**	**95**	**35**	**15**	**5**	**6.0**
DK 9577	**91.4**			**59.3**	**96**	**36**	**10**	**0**	**5.3**
LA98094BUB-58-5-B	90.5			61.8	80	35	0	0	4.5
PIONEER/26R61	**87.1**			**61.9**	**91**	**36**	**9**	**0**	**4.5**
LA96408D-89-3-2-B	84.0			60.8	92	36	45	1	5.3
AGRIPRO/BERETTA	**83.1**			**58.9**	**95**	**32**	**10**	**1**	**6.0**
PROGENY 185	**80.9**			**58.9**	**96**	**34**	**4**	**0**	**5.5**
VIGORO V9513	**80.3**			**59.2**	**101**	**38**	**0**	**13**	**6.5**
DELTA GROW 4100	**78.5**			**60.0**	**100**	**38**	**3**	**2**	**6.0**
B980696	75.6			57.3	107	36	0	0	5.3
ARMOR 2010	**74.8**			**59.6**	**98**	**37**	**8**	**4**	**6.5**
DIXIE 9512	**73.1**			**61.1**	**97**	**39**	**8**	**3**	**6.3**
LA95125BUB73-2-2-B	67.4			59.8	94	34	70	0	5.8
LA952D3-1-3-C	64.0			57.5	90	33	0	90	6.0
B980582	54.3			61.2	94	32	80	0	7.0
TERRAL TVX84W451	51.0			57.3	96	32	43	5	7.0
DK 9650	**48.0**			**57.0**	**96**	**31**	**58**	**0**	**6.8**
CROPLAN 517W	**47.3**			**59.3**	**94**	**29**	**70**	**2**	**7.3**
CROPLAN 554W	**42.8**			**58.3**	**96**	**33**	**60**	**33**	**6.8**
PROGENY 125	**38.4**			**58.2**	**98**	**32**	**48**	**0**	**7.0**
USG EXP. 910	36.7			58.7	97	34	45	0	7.3
Mean	**78.1**	**75.3**	**75.4**	**59.9**	**95**	**36**	**17**	**7**	**5.5**
CV	**8**	**10**	**12**	**1**	**3**	**4**	**47**	**85**	**7**
LSD	**7.0**	**11.2**	**11.5**	**0.8**	**5**	**3**	**13**	**9**	**0.7**

Macon Ridge Research Station, Winnsboro, LA. HJ Rick Mascagni, Bubba Bell, and Boyd Padgett.

Cultural and Site: Planting Date: 11/8/04 & 11/9/04. Harvested: 5/24/05. Fertilizer: 90 lbs Amm. Nitrate(34%) on 2/17/05. Herbicides: Sencor 12/17/04 Sprayed Wheat with 3 oz./ac.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 12a. Wheat performance trial across Louisiana (5 locations) for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
TERRAL LA841	**89.3**	**58.9**	**89**	**37**	**0.0**	**1**	**0**	**3.8**
LA95181BUB40-1	87.6	58.0	85	41	0.0	1	11	4.1
DK GR9108	**86.6**	**58.3**	**89**	**40**	**0.4**	**2**	**1**	**3.6**
LA95181BUB40-2-2-C	85.1	58.8	87	40	0.3	5	7	4.3
LA95171CA58-3-2-C	84.7	59.7	90	38	0.4	2	1	4.1
LA9560CA22-1	84.5	61.1	87	41	0.4	18	0	3.5
UGA951216-2E26	84.2	61.4	92	39	0.0	1	0	3.4
AGRIPRO/APW742	83.9	60.6	91	37	0.6	1	14	4.0
VIGORO MCINTOSH	**83.6**	**60.8**	**96**	**40**	**0.6**	**1**	**1**	**4.3**
LA95135D54-2-3-C	83.4	59.4	94	40	0.8	6	0	3.5
UGA951079-2E31	82.7	60.4	89	40	0.2	1	0	3.9
LA97113UC-124-3-B	80.2	60.4	90	40	0.4	3	1	4.3
AGRIPRO/APW749	79.0	60.1	91	37	0.8	3	13	4.2
LA9554D68-3-2-C	78.1	58.2	88	36	0.4	2	4	3.8
PIONEER/26R61	**77.0**	**61.2**	**89**	**39**	**0.0**	**2**	**0**	**4.3**
TERRAL TV8466	**75.6**	**58.4**	**98**	**37**	**0.2**	**4**	**1**	**5.3**
LA98094BUB-58-5-B	75.4	60.3	78	34	0.4	0	0	4.2
DK 9577	**74.6**	**59.0**	**97**	**36**	**0.0**	**14**	**5**	**5.6**
LA96140BUA70-2	73.9	60.8	87	37	0.4	0	2	3.7
AGRIPRO/PANOLA	**73.0**	**58.6**	**95**	**37**	**0.8**	**6**	**17**	**5.3**
AGRIPRO/BERETTA	**71.5**	**56.9**	**97**	**35**	**0.2**	**9**	**1**	**5.7**
PROGENY 185	**70.0**	**57.4**	**99**	**36**	**0.2**	**11**	**2**	**5.5**
TERRAL TV8558	**69.3**	**58.3**	**98**	**37**	**0.0**	**16**	**4**	**5.8**
USG 3209	**69.2**	**58.7**	**91**	**32**	**0.6**	**23**	**15**	**5.5**
DK 1551W	**68.9**	**59.0**	**95**	**35**	**0.6**	**3**	**18**	**5.0**
LA96408D-89-3-2-B	68.8	60.1	91	37	0.4	20	8	4.5
PAT	**68.2**	**58.8**	**103**	**39**	**0.0**	**2**	**5**	**4.9**
DK 7710	**67.8**	**56.6**	**103**	**39**	**0.0**	**1**	**6**	**6.1**
LA95283CA78-1-2-B	67.4	60.9	83	36	0.2	0	1	4.3
ARMOR 2010	**66.9**	**59.0**	**98**	**40**	**0.6**	**4**	**4**	**6.0**
DK 7830	**66.2**	**59.3**	**102**	**39**	**0.6**	**4**	**3**	**5.8**
HBK 3266	**66.2**	**59.7**	**93**	**37**	**0.6**	**41**	**0**	**4.9**
DELTA GROW 4100	**65.5**	**59.7**	**104**	**39**	**0.6**	**2**	**5**	**5.8**
AGS 2000	**65.4**	**59.3**	**88**	**37**	**1.0**	**58**	**0**	**6.0**
DIXIE 9812	**64.9**	**59.8**	**97**	**39**	**0.8**	**9**	**5**	**5.6**
COKER 9152	**63.5**	**59.3**	**97**	**40**	**0.6**	**49**	**0**	**5.9**
PROGENY 110	**63.4**	**58.6**	**102**	**40**	**0.4**	**13**	**4**	**6.1**
USG 3592	**62.9**	**60.9**	**98**	**36**	**1.0**	**46**	**0**	**6.3**
PROGENY 133	**62.9**	**59.5**	**102**	**40**	**0.6**	**3**	**5**	**6.0**
VIGORO V9513	**62.5**	**56.6**	**99**	**38**	**0.0**	**0**	**6**	**6.2**
B980696	62.4	53.5	107	36	0.0	0	1	6.0
PROGENY 166	**61.5**	**58.5**	**103**	**40**	**0.2**	**1**	**5**	**6.2**
RO 33	**61.5**	**58.9**	**105**	**39**	**0.2**	**0**	**5**	**6.4**
B980582	61.2	60.9	90	36	0.2	49	0	6.1
USG 3350	**60.8**	**60.0**	**103**	**39**	**0.0**	**1**	**6**	**6.2**

Table 12a. Wheat performance trial across Louisiana (5 locations) for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
DIXIE 900	**60.3**	**58.3**	**104**	**40**	**0.4**	**1**	**4**	**6.5**
PROGENY 145	**60.2**	**59.4**	**101**	**41**	**0.4**	**8**	**4**	**6.3**
TERRAL TV8502	**59.6**	**58.9**	**104**	**40**	**0.2**	**4**	**5**	**6.2**
LA95125BUB73-2-2-B	58.9	59.0	80	35	0.6	47	0	4.7
DIXIE 9512	**58.6**	**59.2**	**96**	**40**	**0.6**	**6**	**4**	**6.1**
ARMOR 3035	**58.5**	**59.3**	**103**	**40**	**0.4**	**2**	**7**	**6.0**
ARMOR 3330	**57.5**	**59.2**	**103**	**38**	**0.4**	**2**	**6**	**5.9**
DELTA GROW 4200	**57.2**	**58.1**	**104**	**39**	**0.2**	**3**	**4**	**6.8**
LA952D3-1-3-C	57.0	57.0	87	35	1.2	5	35	6.0
PROGENY 156	**56.9**	**57.5**	**104**	**37**	**0.8**	**4**	**5**	**6.4**
DK 9650	**56.3**	**55.5**	**99**	**35**	**0.0**	**38**	**3**	**6.0**
CROPLAN 517W	**55.9**	**57.8**	**93**	**32**	**0.2**	**48**	**1**	**6.0**
TERRAL TVX84W451	54.3	55.9	99	34	0.0	39	1	6.0
DELTA GROW 4500	**54.0**	**57.9**	**103**	**39**	**0.6**	**3**	**8**	**6.2**
COKER 9375	**54.0**	**56.2**	**99**	**38**	**0.4**	**28**	**15**	**6.1**
PROGENY 125	**47.7**	**56.6**	**102**	**36**	**0.2**	**42**	**1**	**6.4**
USG EXP. 910	46.0	57.1	101	36	0.0	37	1	6.6
CROPLAN 554W	**43.3**	**57.7**	**99**	**32**	**0.0**	**47**	**12**	**6.4**
MCCORMICK	**38.4**	**59.3**	**103**	**31**	**0.0**	**24**	**45**	**7.4**
Mean	**67.1**	**58.8**	**96**	**38**	**0.4**	**13**	**5**	**5.4**
CV	**13**	**2**	**2**	**5**	**100**	**58**	**100**	**12**
LSD	**9.7**	**1.4**	**4**	**2**	**NS**	**16**	**10**	**0.9**

Contains data for Alexandria, Baton Rouge, Bossier City, Crowley, and Winnsboro, LA for 2005.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

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Table 12b Wheat performance trial across Louisiana (5 locations) for 2005.

This table sorted by North LA yields. Top 15 highlighted at each location.

Brand / variety	NORTH Yield Mean bu/a	AX Yield bu/a	BC Yield bu/a	WN Yield bu/a	SOUTH Yield Mean bu/a	BR Yield bu/a	CR Yield bu/a	Statewide Average Yield Mean bu/a	Test Wt lbs/bu	Head Day day of yr	Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
TERRAL LA841	**93.8**	**101.4**	**72.0**	**108.0**	**81.7**	**85.5**	**76.6**	89.3	58.9	89	37	0.0	1	0	3.8
VIGORO MCINTOSH	**89.8**	**94.8**	**63.4**	**111.1**	73.1	71.1	**75.8**	83.6	60.8	96	40	0.6	1	1	4.3
LA95181BUB40-1	**88.4**	**93.4**	**60.9**	**112.2**	**86.3**	**91.4**	**79.5**	87.6	58.0	85	41	0.0	1	11	4.1
AGRIPRO/APW742	**87.2**	**98.0**	**59.9**	**103.7**	**77.1**	71.9	**87.7**	83.9	60.6	91	37	0.6	1	14	4.0
LA95181BUB40-2-2-C	**87.2**	**94.2**	52.3	**116.7**	**81.3**	**84.8**	74.2	85.1	58.8	87	40	0.3	5	7	4.3
DK GR9108	**86.9**	**93.0**	**59.5**	**108.4**	**86.0**	**85.2**	**87.8**	86.6	58.3	89	40	0.4	2	1	3.6
LA95171CA58-3-2-C	**86.2**	**92.9**	**68.8**	**97.0**	**82.0**	**83.4**	**80.2**	84.7	59.7	90	38	0.4	2	1	4.1
AGRIPRO/NATCHEZ	**85.5**	**95.2**	**63.4**	**97.8**											
UGA951216-2E26	**84.6**	**92.5**	**62.6**	**100.8**	**83.5**	**74.0**	**102.6**	84.2	61.4	92	39	0.0	1	0	3.4
LA95135D54-2-3-C	**84.5**	**93.7**	**62.6**	**97.3**	**81.2**	**80.7**	**82.2**	83.4	59.4	94	40	0.8	6	0	3.5
AGRIPRO/APW749	**83.9**	89.1	**61.9**	**102.0**	70.0	74.0	62.2	79.0	60.1	91	37	0.8	3	13	4.2
UGA951079-2E31	**83.5**	**90.6**	**57.6**	**102.2**	**81.3**	**83.4**	**78.6**	82.7	60.4	89	40	0.2	1	0	3.9
LA9560CA22-1	**81.1**	**90.9**	56.7	**98.0**	**89.9**	**85.6**	**95.7**	84.5	61.1	87	41	0.4	18	0	3.5
LA9554D68-3-2-C	**80.6**	**96.6**	53.5	**99.7**	74.0	69.2	**83.4**	78.1	58.2	88	36	0.4	2	4	3.8
TERRAL TV8466	**79.7**	**104.1**	54.5	86.8	69.0	66.5	72.5	75.6	58.4	98	37	0.2	4	1	5.3
LA97113UC-124-3-B	**79.0**	85.1	**68.2**	83.7	**82.3**	**82.4**	**82.2**	80.2	60.4	90	40	0.4	3	1	4.3
DK 9577	77.9	**93.6**	48.7	91.4	68.0	**75.5**	53.1	74.6	59.0	97	36	0.0	14	5	5.6
LA98094BUB-58-5-B	76.2	78.6	**59.5**	90.5	74.0	**74.6**	73.1	75.4	60.3	78	34	0.4	0	0	4.2
PIONEER/26R61	75.4	81.4	57.5	87.1	**79.8**	**85.5**	72.1	77.0	61.2	89	39	0.0	2	0	4.3
AGRIPRO/PANOLA	74.3	79.5	53.3	**91.4**	70.8	73.6	67.2	73.0	58.6	95	37	0.8	6	17	5.3
PAT	73.7	88.5	55.7	84.3	60.3	59.7	61.1	68.2	58.8	103	39	0.0	2	5	4.9
LA96140BUBA70-2	73.5	80.5	50.8	89.3	**74.7**	**76.4**	72.3	73.9	60.8	87	37	0.4	0	2	3.7
LA95283CA78-1-2-B	73.3	64.7	**63.7**	89.2	58.2	62.7	52.1	67.4	60.9	83	36	0.2	0	1	4.3
PROGENY 185	72.9	**93.4**	44.4	80.9	64.1	60.9	67.4	70.0	57.4	99	36	0.2	11	2	5.5
AGRIPRO/BERETTA	71.4	83.6	47.4	83.1	71.8	69.4	**75.1**	71.5	56.9	97	35	0.2	9	1	5.7
TERRAL TV8558	71.4	87.1	39.0	**95.9**	66.3	66.2	66.3	69.3	58.3	98	37	0.0	16	4	5.8
ARMOR 2010	71.4	89.1	54.9	74.8	59.8	60.1	59.5	66.9	59.0	98	40	0.6	4	4	6.0
DIXIE 9812	70.9	85.8	51.0	79.7	55.6	65.1	42.9	64.9	59.8	97	39	0.8	9	5	5.6
DK 7710	70.3	75.5	43.3	78.2	66.3	68.3	63.7	67.8	56.6	103	39	0.0	1	6	6.1
DELTA GROW 4100	70.1	78.2	53.5	78.5	57.6	59.6	54.9	65.5	59.7	104	39	0.6	2	5	5.8
DK 7900	69.7	75.3	53.9	75.5											
LA96408D-89-3-2-B	69.1	78.7	46.9	84.0	68.3	**74.5**	55.9	68.8	60.1	91	37	0.4	20	8	4.5
DK 7830	68.7	77.6	52.3	75.5	61.2	62.5	59.6	66.2	59.3	102	39	0.6	4	3	5.8
TERRAL TV8565	68.3	68.0	**58.3**	76.1											
TERRAL TV8450	68.3	73.6	56.6	76.1											

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Table 12b Wheat performance trial across Louisiana (5 locations) for 2005.

This table sorted by North LA yields. Top 15 highlighted at each location.

	NORTH	AX	BC	WN	SOUTH	BR	CR	Statewide Average							
	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Yield	Test	Head	Height	Lodging	Stripe	Leaf	Pheno
	Mean				Mean			Mean	Wt	Day			Rust	Rust	-type
Brand / variety	bu/a	bu/a	bu/a	bu/a	bu/a	bu/a	bu/a	bu/a	lbs/bu	day of yr	in	0-9	%	%	0-9
DK 9410	68.0	73.9	56.4	75.3											
PROGENY 166	67.7	75.7	**58.7**	68.6	51.0	55.6	44.8	61.5	58.5	103	40	0.2	1	5	6.2
PROGENY 133	67.1	73.4	53.0	74.9	55.9	54.6	57.5	62.9	59.5	102	40	0.6	3	5	6.0
USG 3209	66.9	88.1	35.9	76.6	73.1	**76.1**	69.1	69.2	58.7	91	32	0.6	23	15	5.5
RO 33	66.4	70.9	52.5	75.9	51.5	52.7	48.9	61.5	58.9	105	39	0.2	0	5	6.4
PROGENY 145	66.4	72.1	51.3	77.2	50.4	56.7	42.1	60.2	59.4	101	41	0.4	8	4	6.3
ARMOR 3035	66.4	75.8	49.8	73.8	44.9	59.8	25.0	58.5	59.3	103	40	0.4	2	7	6.0
B980696	66.1	67.1	52.1	75.6	55.6	46.7	64.5	62.4	53.5	107	36	0.0	0	1	6.0
VIGORO V9513	65.7	72.1	44.8	80.3	57.0	65.6	45.5	62.5	56.6	99	38	0.0	0	6	6.2
TERRAL TV8502	65.4	70.7	50.2	72.7	51.5	52.3	50.4	59.6	58.9	104	40	0.2	4	5	6.2
RO 23	65.3	77.0	50.2	68.7											
USG 3350	65.2	70.5	51.6	73.7	53.3	55.9	49.8	60.8	60.0	103	39	0.0	1	6	6.2
ARMOR 3330	64.4	78.6	42.9	73.4	48.7	53.6	42.2	57.5	59.2	103	38	0.4	2	6	5.9
DK 1551W	64.2	82.9	48.8	78.0	66.8	70.8	61.4	68.9	59.0	95	35	0.6	3	18	5.0
DIXIE 900	63.6	71.3	52.8	68.5	55.3	53.2	58.1	60.3	58.3	104	40	0.4	1	4	6.5
HBK 3266	63.2	79.0	43.4	67.3	71.3	71.5	70.9	66.2	59.7	93	37	0.6	41	0	4.9
DIXIE 9512	63.2	71.5	47.1	73.1	51.5	55.2	46.5	58.6	59.2	96	40	0.6	6	4	6.1
DELTA GROW 4200	62.9	71.0	51.3	66.4	47.5	52.5	41.0	57.2	58.1	104	39	0.2	3	4	6.8
AGS 2000	62.4	74.3	39.3	68.0	70.0	72.0	67.4	65.4	59.3	88	37	1.0	58	0	6.0
PROGENY 156	62.3	73.8	41.0	72.0	46.2	48.1	42.2	56.9	57.5	104	37	0.8	4	5	6.4
PROGENY 110	62.2	75.3	44.7	66.6	65.4	54.6	**79.9**	63.4	58.6	102	40	0.4	13	4	6.1
DELTA GROW 4500	58.6	72.8	34.6	68.3	45.0	52.9	29.1	54.0	57.9	103	39	0.6	3	8	6.2
COKER 9152	56.5	67.9	35.6	66.0	**75.4**	70.0	**82.7**	63.5	59.3	97	40	0.6	49	0	5.9
B980582	56.5	78.8	36.3	54.3	69.3	66.9	72.5	61.2	60.9	90	36	0.2	49	0	6.1
USG 3592	56.4	75.4	33.7	60.2	**74.1**	68.7	**81.3**	62.9	60.9	98	36	1.0	46	0	6.3
LA952D3-1-3-C	56.4	70.1	35.1	64.0	58.3	59.1	56.8	57.0	57.0	87	35	1.2	5	35	6.0
COKER 9375	53.5	66.3	33.8	61.9	54.6	64.6	41.3	54.0	56.2	99	38	0.4	28	15	6.1
LA95125BUB73-2-2-B	52.3	56.5	32.8	67.4	70.4	71.7	68.6	58.9	59.0	80	35	0.6	47	0	4.7
TERRAL TVX84W451	49.6	75.4	21.9	51.0	61.0	61.8	59.9	54.3	55.9	99	34	0.0	39	1	6.0
CROPLAN 517W	48.7	69.8	22.5	47.3	67.2	71.8	61.1	55.9	57.8	93	32	0.2	48	1	6.0
DK 9650	48.4	70.6	26.7	48.0	67.7	72.8	60.8	56.3	55.5	99	35	0.0	38	3	6.0
CROPLAN 554W	40.6	61.7	17.2	42.8	48.1	42.4	55.6	43.3	57.7	99	32	0.0	47	12	6.4
USG EXP. 910	38.8	61.2	18.6	36.7	58.2	61.3	54.2	46.0	57.1	101	36	0.0	37	1	6.6
PROGENY 125	37.4	61.5	18.4	38.4	63.9	66.7	60.3	47.7	56.6	102	36	0.2	42	1	6.4
MCCORMICK	36.7	51.2	20.9	38.0	41.4	43.6	38.4	38.4	59.3	103	31	0.0	24	45	7.4
Mean	**68.4**	**59.9**	**48.5**	**78.1**	**65.2**	**66.7**	**63.0**	**67.1**	**58.8**	**96**	**38**	**0.4**	**13**	**5**	**5.4**
CV	**11**	**2**	**20**	**8**	**15**	**11.0**	**20**	**13**	**2**	**2**	**5**	**100**	**58**	**100**	**12**
LSD	**10.4**	**1.8**	**11.8**	**7.0**	**13.5**	**8.6**	**17.9**	**9.7**	**1.4**	**4**	**2**	**NS**	**16**	**10**	**0.9**

Table 13. Wheat performance trial across Louisiana for two years, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Sep -toria 0-9	Pheno -type 0-9
TERRAL LA841	**89.6**	**58.2**	**88**	**37**	**0.8**	**1**	**0**	**1.8**	**3.6**
LA9560CA22-1	87.5	60.9	86	40	1.2	19	0	2.3	3.6
DK GR9108	**87.1**	**57.5**	**88**	**40**	**0.8**	**3**	**1**	**2.2**	**3.6**
LA95181BUB40-1	85.8	57.7	85	39	0.8	1	7	1.6	3.8
LA95135D54-2-3-C	84.6	58.7	93	40	1.8	5	0	1.8	3.6
VIGORO MCINTOSH	**83.9**	**59.8**	**94**	**39**	**1.5**	**1**	**1**	**2.2**	**4.4**
LA97113UC-124-3-B	81.5	59.9	90	39	0.8	2	1	2.2	4.0
TERRAL TV8466	**79.2**	**57.9**	**98**	**37**	**0.8**	**5**	**1**	**2.2**	**5.9**
AGRIPRO/PANOLA	**78.4**	**58.0**	**93**	**36**	**1.4**	**4**	**12**	**2.4**	**4.9**
LA96140BUA70-2	77.2	60.3	86	37	0.6	0	1	1.8	3.6
DK 1551W	75.8	58.1	96	36	0.8	4	12	2.2	5.3
USG 3209	**75.7**	**58.0**	**89**	**33**	**1.5**	**22**	**10**	**2.0**	**5.2**
PAT	**72.6**	**58.5**	**102**	**39**	**0.3**	**2**	**4**	**2.2**	**4.9**
DIXIE 9812	**72.2**	**59.0**	**97**	**40**	**1.2**	**7**	**7**	**2.8**	**5.9**
LA95283CA78-1-2-B	69.2	60.2	82	36	0.8	0	1	2.0	3.8
DK 7710	**68.9**	**56.8**	**103**	**40**	**1.3**	**1**	**6**	**2.4**	**6.3**
HBK 3266	**68.8**	**58.6**	**91**	**38**	**1.3**	**52**	**0**	**3.5**	**5.1**
DK 7830	**67.6**	**58.8**	**101**	**39**	**1.0**	**3**	**6**	**2.4**	**6.2**
RO 33	**67.6**	**58.5**	**103**	**40**	**0.7**	**0**	**10**	**2.6**	**6.7**
COKER 9152	**67.1**	**58.3**	**96**	**40**	**1.5**	**46**	**0**	**3.0**	**5.5**
USG 3592	**67.0**	**59.4**	**97**	**37**	**2.1**	**51**	**0**	**3.5**	**6.2**
AGS 2000	**66.7**	**57.8**	**87**	**37**	**1.2**	**65**	**0**	**3.5**	**5.5**
PROGENY 110	**66.6**	**58.0**	**102**	**40**	**1.0**	**8**	**7**	**2.6**	**6.5**
DIXIE 900	**65.6**	**58.2**	**104**	**40**	**0.8**	**1**	**6**	**2.6**	**6.7**
COKER 9375	**65.4**	**56.1**	**98**	**40**	**1.3**	**21**	**9**	**2.5**	**6.0**
TERRAL TV8502	**64.4**	**58.5**	**103**	**40**	**0.9**	**3**	**9**	**2.6**	**6.7**
USG 3350	**64.4**	**59.3**	**103**	**39**	**0.7**	**1**	**8**	**2.4**	**6.6**
ARMOR 3330	**64.2**	**58.3**	**102**	**39**	**0.9**	**1**	**10**	**2.2**	**6.3**
PROGENY 133	**63.7**	**58.9**	**102**	**39**	**0.9**	**2**	**11**	**3.4**	**6.4**
PROGENY 166	**63.1**	**58.1**	**103**	**39**	**0.8**	**1**	**10**	**3.0**	**6.8**
PROGENY 145	**63.1**	**58.8**	**100**	**41**	**1.1**	**6**	**6**	**3.0**	**6.6**
DELTA GROW 4500	**61.3**	**57.5**	**102**	**39**	**1.3**	**2**	**12**	**2.8**	**6.5**
ARMOR 3035	**61.0**	**58.6**	**103**	**40**	**0.8**	**2**	**10**	**2.6**	**6.7**
DELTA GROW 4200	**60.2**	**58.1**	**103**	**40**	**0.7**	**2**	**9**	**2.4**	**7.0**
PROGENY 156	**57.6**	**57.2**	**104**	**37**	**1.1**	**7**	**4**	**2.8**	**6.9**
MCCORMICK	**52.2**	**58.3**	**99**	**32**	**1.1**	**21**	**30**	**2.3**	**6.9**
Mean	**70.8**	**58.5**	**96**	**38**	**1.0**	**10**	**6**	**2.4**	**5.6**
CV	**13**	**2**	**2**	**6**	**73**	**71**	**88**	**24**	**11**
LSD	**7.4**	**1.0**	**3**	**2**	**0.6**	**11**	**8**	**0.7**	**0.8**

Contains data for Alexandria, Baton Rouge, Crowley, Bossier City, and Winnsboro, LA for 2005, and Jeanerette, Winnsboro and Bossier City for 2004.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 14. Wheat performance trial across Louisiana for three years, 2003, 2004 and 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Sep-toria	Bact-teria	Pheno-type 0-9
TERRAL LA841	**84.7**	**57.1**	**89**	**37**	**1.0**	**0**	**0**	**1.4**	**2.0**	**3.7**
LA95181BUB40-1	82.5	56.8	86	39	0.9	1	5	1.4	3.0	3.6
AGRIPRO/PANOLA	**80.7**	**57.3**	**94**	**36**	**1.2**	**2**	**7**	**1.9**	**2.0**	**3.8**
TERRAL TV8466	**78.8**	**56.6**	**98**	**37**	**0.9**	**4**	**1**	**2.0**	**4.3**	**5.7**
DK 1551W	**78.3**	**57.3**	**97**	**36**	**1.0**	**4**	**7**	**1.8**	**3.3**	**4.6**
LA96140BUA70-2	77.3	59.3	87	37	0.9	1	1	1.6	2.3	3.2
USG 3209	**75.6**	**57.1**	**90**	**33**	**1.4**	**16**	**6**	**1.8**	**3.0**	**4.7**
DIXIE 9812	**74.1**	**57.6**	**98**	**40**	**1.2**	**4**	**7**	**2.9**	**1.0**	**5.4**
PAT	**73.3**	**57.3**	**102**	**39**	**0.5**	**1**	**2**	**1.6**	**1.5**	**4.6**
HBK 3266	**71.5**	**57.8**	**92**	**38**	**1.5**	**40**	**0**	**2.2**	**2.0**	**4.6**
RO 33	**71.1**	**57.1**	**103**	**40**	**1.0**	**0**	**9**	**2.3**	**1.0**	**5.7**
USG 3592	**70.8**	**58.3**	**97**	**37**	**2.2**	**36**	**0**	**2.2**	**2.3**	**5.3**
AGS 2000	**70.7**	**57.0**	**89**	**37**	**1.2**	**43**	**0**	**2.7**	**1.5**	**4.9**
DIXIE 900	**70.2**	**57.0**	**103**	**40**	**1.0**	**0**	**5**	**2.4**	**1.0**	**5.8**
COKER 9152	**69.0**	**57.5**	**97**	**40**	**1.3**	**24**	**0**	**2.0**	**2.8**	**4.7**
COKER 9375	**68.8**	**55.2**	**99**	**39**	**1.2**	**11**	**7**	**1.9**	**1.0**	**5.2**
TERRAL TV8502	**68.3**	**57.4**	**103**	**40**	**1.2**	**1**	**7**	**2.4**	**1.0**	**6.1**
USG 3350	**66.9**	**57.7**	**102**	**40**	**0.9**	**1**	**6**	**2.3**	**1.0**	**5.7**
DELTA GROW 4200	**65.0**	**56.8**	**103**	**40**	**1.0**	**1**	**8**	**2.5**	**1.3**	**6.0**
DELTA GROW 4500	**64.6**	**56.6**	**101**	**40**	**1.2**	**2**	**10**	**2.8**	**1.5**	**5.9**
MCCORMICK	**64.6**	**57.5**	**99**	**33**	**1.0**	**11**	**19**	**1.8**	**1.0**	**5.8**
Mean	**72.7**	**57.3**	**97**	**38**	**1.1**	**10**	**5**	**2.1**	**1.9**	**5.0**
CV	**13**	**2**	**2**	**5**	**67**	**74**	**100**	**29**	**48**	**14**
LSD	**5.4**	**0.7**	**2**	**1**	**0.5**	**9**	**6**	**0.5**	**1.3**	**0.6**

Contains data for Alexandria, Baton Rouge, Crowley, Bossier City, and Winnsboro, LA for 2005; Jeanerette, Bossier City, and Winnsboro for 2004; and Alexandria, Baton Rouge, Crowley, Jeanerette, St. Joseph, and Winnsboro for 2003.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 15. USDA Uniform Southern Soft Red Winter Wheat Nursery at Baton Rouge, LA.

Cooperator:	S.A. HARRISON, KELLY ARECENEAUX, FRED LARUE					Location:	BATON ROUGE, LA								
No. of Reps:	2	Harvest Plot Area (sq.ft.):	70				Yield LSD (.05):		Yield CV%:	8					
Fertilizer:	18-46-60 + 90-0-0			Seed Date:	11/17/2004				Harvest Date:	5/27/2005					
Date/Feekes Growth Stage When Scored				*HD	11	*LOD			*LR	24-Mar				*PHE	
ENTRY NO.	CULTIVAR/ DESIGNATION	YIELD bu/A	TEST WT. lbs/bu	HEADING DATE	HEIGHT in.	LODGING			LEAF RUST %	STRIPE RUST %				PHENO 0-9	
29	D01*7759	83.9	59.8	91					0	3				3.5	
16	B990399	79.4	60.6	94					0	4				3.5	
11	GA961176-3A48	75.4	61.2	94					0	0				4.5	
27	D00*6874-2	72.9	61.4	95					1	0				3.3	
20	LA95135D54-2-3	72.8	59.8	97					0	0				3.8	
13	GA951395-3A31	70.8	59.8	103					0	5				6.5	
19	LA96140BUA70-2	70.1	61.4	87					1	0				3.5	
33	VA02W-370	70.1	62.3	88					0	2				4.2	
12	GA96229-3A41	69.3	60.7	98					0	0				4.3	
18	LA95181BUB40-1	69.2	58.4	86					1	0				4.0	
3	Pioneer 26R61	68.1	61.8	88					0	0				3.5	
26	D00*6874-9	67.9	61.1	96					1	0				3.5	
23	FL9547-B15-C1-D3	67.7	57.8	85					23	0				5.2	
9	SC996289	67.7	61.3	96					0	0				5.0	
6	NC00-15332	67.5	58.4	103					0	3				5.2	
8	SC996284	67.2	62.2	95					0	2				5.8	
28	D01-7017	67.1	56.3	88					0	0				3.8	
15	B990133	62.9	61.4	106					0	2				5.8	
1	AGS 2000	61.8	59.3	87					0	30				6.0	
14	B990081	61.3	55.6						0	5				6.5	
2	USG 3209	61.2	59.3	90					0	3				5.3	
24	FL95345-A10-C5	61.0	61.7	88					10	1				4.8	
32	VA02W-555	60.9	58.7	103					0	0				5.5	
21	AR 850-1-1	59.6	58.9	105					0	5				6.0	
37	NC00-15371	58.2	58.8	92					0	8				5.3	
36	NC01-27750	57.6	59.1	93					0	20				5.2	
5	TN04-01	56.1	62.9	101					0	25				6.5	
7	MV 5-46	55.3	60.8	93					3	38				6.7	
30	VA01W-21	54.8	61.6	106					10	45				7.0	
35	99751RA1-6-3	53.5	58.1	105					1	15				6.5	
25	FL99089-D35	53.1	61.3	83					5	35				6.2	
31	VA02W-513	53.0	59.8	107					0	5				7.3	
34	981543A1-1-9-3	51.9	59.5	107					0	2				6.5	
39	G20412	45.3	53.8	.					8	28				7.0	
40	G20921	43.7	59.5	109					0	73				7.7	
41	G20922	41.6	59.0	109					0	73				7.5	
4	McCormick	38.7	59.2	99					20	10				7.0	
10	GA961526-3E15	35.8	56.7	84					0	75				7.8	
22	AR 93027-5-1	35.7	54.2	.					0	73				7.7	
38	NC01-28087	32.4	52.0	.					1	83				8.2	
17	B990816	27.5	47.4	.					1	8				7.7	
LOCATION MEAN:		59.9	59.1	95					2	16				5.6	
	CV%	7.9	1.3	2					130	38				8.1	
	LSD (0.10)	8.2	1.3	3					4	10				0.8	

COMMENTS: Wet fall and early winter resulted in some marginal stands. Warm winter and cool spring. Very dry grainfill period with exellent quality and testwt.
Low leaf rust and moderate/high stripe rust. Little septoria.

*LOD No loding due to very dry spring.

*HD missing heading day indicates very late (>113) / partial vern.

*PHE PHENOTYPE: 0 = superb visual appearance, 9 = very poor, average of 3 ratings across spring (heading to harvest).

*LR Leaf rust is average of two ratings (3/24 & 4/11)

Table 16. USDA Uniform Southern Soft Red Winter Wheat Nursery at Winnsboro, LA.

Cooperator:	S.A. HARRISON, KELLY ARECENEAUX, FRED LARUE					Location:	Winnsboro, LA							
No. of Reps:	2	Harvest Plot Area (sq.ft.):	70				Yield LSD (.05):		Yield CV%:	10				
Fertilizer:	90-0-0 on 2/17			Seed Date:	11/16/2004				Harvest Date:	5/24/2005				
Date/Feekes Growth Stage When Scored				*STD	*RM	*LOD			*LR	*STR				*PHE
ENTRY NO.	CULTIVAR/ DESIGNATION	YIELD *YLD bu/A	TEST WT. lbs/bu	STAND 0-9	REL MAT 0-9	LODGING			LEAF RUST %	STRIPE RUST %				PHENO 0-9
11	GA961176-3A48	94.8	62.0	3.5	4.5				0	0				3.5
12	GA96229-3A41	91.8	61.7	4.5	5.0				0	0				3.3
18	LA95181BUB40-1	91.4	59.9	5.0	5.0				0	5				3.5
8	SC996284	88.7	62.4	4.0	5.0				0	8				3.5
27	D00*6874-2	86.7	62.3	4.0	4.5				0	0				3.0
6	NC00-15332	86.0	60.2	3.5	5.5				0	20				4.8
20	LA95135D54-2-3	85.5	60.5	3.5	4.5				0	8				3.5
13	GA951395-3A31	**85.0**	61.8	5.0	5.0				0	15				4.8
33	VA02W-370	84.5	63.5	4.0	4.0				0	13				3.8
19	LA96140BUA70-2	84.0	62.2	5.0	4.0				0	0				3.0
29	D01*7759	83.4	60.5	3.5	5.0				1	25				4.0
32	VA02W-555	81.5	60.1	3.0	5.5				0	0				3.8
9	SC996289	80.5	61.5	3.5	5.0				0	10				3.8
3	Pioneer 26R61	78.8	62.7	4.0	4.5				0	8				4.0
23	FL9547-B15-C1-D3	78.3	58.5	4.0	4.0				3	3				4.5
26	D00*6874-9	78.2	61.9	5.5	5.0				0	0				3.0
31	VA02W-513	**76.7**	62.1	6.0	5.5				0	28				5.3
24	FL95345-A10-C5	**71.5**	62.7	5.5	4.0				0	8				4.0
21	AR 850-1-1	71.2	60.5	3.0	6.0				0	25				4.5
2	USG 3209	**70.9**	59.9	5.5	4.5				0	38				6.0
16	B990399	70.6	61.3	4.5	5.5				0	30				4.3
28	D01-7017	67.7	57.4	3.5	5.0				3	18				4.5
14	B990081	61.7	60.1	4.5	6.5				0	8				4.8
34	981543A1-1-9-3	57.8	61.8	5.5	6.0				0	10				5.0
1	AGS 2000	**55.4**	59.6	6.0	4.0				0	55				6.0
15	B990133	52.9	61.7	4.0	5.5				0	33				5.5
5	TN04-01	52.0	63.7	4.0	5.5				0	43				6.5
37	NC00-15371	51.1	59.2	4.5	5.0				0	45				5.8
35	99751RA1-6-3	50.9	60.1	4.0	6.0				0	35				5.8
4	McCormick	**47.3**	58.5	6.0	6.0				4	38				5.5
7	MV 5-46	46.6	61.9	3.0	6.0				0	63				7.0
30	VA01W-21	45.0	62.0	3.5	6.0				0	45				6.5
36	NC01-27750	44.8	60.3	5.0	4.5				0	53				6.3
39	G20412	44.3	56.4	3.5	7.0				2	33				5.8
25	FL99089-D35	36.8	61.7	4.0	4.0				0	65				7.0
17	B990816	35.4	47.8	3.0	8.0				1	30				6.0
22	AR 93027-5-1	34.6	59.9	4.0	8.0				0	45				6.5
10	GA961526-3E15	23.9	55.8	4.0	4.0				0	73				6.8
38	NC01-28087	22.2	57.0	3.5	8.0				0	70				7.0
40	G20921	18.3	60.1	6.0	8.0				0	48				6.3
41	G20922	17.4	60.3	4.5	7.5				0	55				6.8
LOCATION MEAN:		62.7	60.3	4.3	5.4				0	27				5.0
	CV%	8.6	1.0	29.9	7.7				234	36				8.9
	LSD (0.10)	9.7	1.0	2.2	0.7				1	16				0.8

COMMENTS: Wet fall and early winter resulted in some marginal stands. Warm winter and cool spring. Very dry grainfill period with exellent quality and testwt. Low leaf rust and moderate/high stripe rust. Little septoria.

*YLD A bold number indicates on ly one rep yield data due to poor stand in 2nd rep.

*LOD No loding due to very dry spring.

*RM Relative Maturity at average heading; 0 = extremely early, 5 = average, 9 = very late.

*STD Some poor stands from heavy fall rains. 0 = perfect stand; 5 = acceptable; 7 = poor; 9 = none.

*PHE PHENOTYPE: 0 = superb visual appearance, 9 = very poor, average of 3 ratings across spring (heading to harvest).

*LR Leaf rust is avergae of two ratings (3/11 & 4/14)

*STR Stripe rust is average of two ratings (3/11 & 4/14)

Table 17. Wheat screening nursery at Baton Rouge, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day day of yr	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
AW D01*7759	78.0	59.5	92	5	1	3.5
NK B017009	75.6	61.8	91	0	1	4.0
AW D02-8486	73.0	56.8	88	1	1	4.0
TERRAL LA841 CK	**72.4**	**58.0**	**91**	**3**	**0**	**4.5**
AW D03*9705	70.7	60.5	55	8	1	3.5
PIONEER 26R61 CK	**69.3**	**61.6**	**92**	**1**	**1**	**4.5**
B990399	69.1	59.1	96	3	2	5.0
AW D01-7017	66.8	55.8	91	2	2	5.0
NK 02JH001002	65.9	57.7	91	1	3	4.0
AW D02-8244	64.5	60.8	91	3	1	4.5
AW D03*9672	63.1	60.3	87	4	0	4.5
AW D02-8494	63.1	59.1	86	0	2	3.5
AW D02-8172	59.8	58.1	91	8	1	5.0
AW D02-8597	58.6	51.8	91	2	1	5.5
AW D03*9362	57.0	59.9	89	13	0	5.5
AW D03-9083	54.2	58.9	91	8	1	6.0
AGS 2000 CK	**49.3**	**59.7**	**86**	**10**	**0**	**4.0**
AW D03*9775	48.7	60.9	91	23	0	5.0
AW D03-9448	48.0	60.5		10	0	8.0
AW D03-9013	42.4	57.3	91	1	1	3.5
MCCORMICK CK	**28.2**	**60.3**		**1**	**18**	**8.0**
Mean	**60.8**	**59.0**	**88**	**5**	**2**	**4.8**
CV	18.5	2.9	12	69	249	12.0
LSD	**19.4**	**2.9**	**19**	**6**	**7**	**1.0**

Ben Hur Research Farm, Central Research Stations, Baton Rouge, LA. Steve Harrison, Kelly Arceneaux, and Fred Larue .

Cultural and Site:Planted 11/17/2004. Harvested 70 ft-sq plots on 5/27/2005. 18-46-60 pre + 90-0-0 topdress fertilizer.

Very wet winter followed by very dry grain fill. Little Septoria glume blotch and no lodging. Very high test weights and grain quality.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 18. Wheat screening nursery at Winnsboro, LA for 2005.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Stripe Rust %	Leaf Rust %	Pheno -type 0-9
TERRAL LA841 CK	**111.9**	**60.3**	**0**	**0**	**3.0**
AW D01*7759	98.0	60.7	8	0	4.3
AW D02-8486	96.1	63.7	5	0	3.8
AW D02-8597	95.9	60.2	6	3	4.3
AW D02-8494	89.5	60.4	41	4	6.3
AW D03-9013	88.2	60.5	15	2	4.3
AW D02-8244	86.1	63.3	6	0	4.3
AW D01-7017	84.5	59.2	5	8	4.8
PIONEER 26R61 CK	**82.2**	**62.4**	**8**	**0**	**3.3**
NK B017009	77.0	61.6	15	0	5.0
AW D03-9448	71.9	61.9	4	0	4.3
NK 02JH001002	70.9	59.2	18	50	7.3
B990399	69.3	61.7	78	0	7.3
AW D03*9705	67.3	61.4	74	0	7.3
AW D02-8172	66.0	60.1	76	0	7.5
AW D03*9672	65.0	61.5	68	0	7.3
AGS 2000 CK	**63.2**	**61.3**	**79**	**0**	**7.3**
AW D03-9083	53.4	61.5	65	0	8.3
AW D03*9775	46.1	62.6	75	0	8.3
AW D03*9362	45.6	58.0	64	0	7.8
MCCORMICK CK	**38.6**	**59.5**	**8**	**79**	**8.3**
Mean	**74.6**	**61.0**	**34**	**7**	**5.9**
CV	**7.4**	**1.5**	**39**	**29**	**8**
LSD	**9.5**	**1.7**	**23**	**4**	**0.8**

Cultural and Site: Planting Date: 11/8/04 & 11/9/04. Harvested: 5/24/05. Fertilizer: 90 lbs Amm. Nitrate(34%) on 2/17/05. Herbicides: Sencor 12/17/04 Sprayed Wheat with 3 oz./ac.

Macon Ridge Research Station, Winnsboro, LA. HJ Rick Mascagni, Bubba Bell, and Boyd Padgett.

Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 19. Oat variety trial across Louisiana (Baton Rouge and Winnsboro) 2005.

Brand / variety	Grain Yield	Test Weight	Heading Day	Plant Height	Lodging Score	Crown Rust	Phenotype
	bu/a	lbs/bu	day of yr	in	0-9	%	0-9
LA96006BSB-270-S2-C	173.2	36.6	90	46	0.0	0	3.9
LA96006BSB-270-S-B-3	163.3	36.6	91	48	1.2	0	3.9
LA96006BSB119-1	153.4	37.4	94	52	1.2	0	4.1
LA98025SBSB-59-C	152.5	36.5	91	55	1.6	3	4.4
LA95033D63-1-C-S3	151.2	34.5	94	49	1.0	0	4.4
TX02U7605	146.7	35.9	85	51	4.0	0	4.2
LA98010SBS-58	142.6	38.7	91	51	2.2	0	3.5
LA99017SBSB-46	137.8	37.8	95	54	0.8	0	4.4
TAMO 405	**133.1**	**35.5**	**83**	**43**	**5.2**	**0**	**3.9**
LA99016SBSB-98-S	132.8	38.2	95	57	1.4	0	4.1
TX02U7097	130.2	35.0	83	54	2.2	0	3.8
LA97006GBS-22-B-S2	127.5	38.2	97	50	5.4	0	3.9
TX02M7344	126.4	37.1	94	48	6.4	0	3.8
TAMO397	**122.2**	**33.0**	**83**	**50**	**3.4**	**14**	**4.6**
LA99017SBSB-46-BS2	120.2	36.0	95	53	0.6	0	4.3
HORIZON 474	**118.8**	**38.2**	**88**	**52**	**4.4**	**14**	**4.5**
LA98009SBSB-58-B-S1	118.6	34.2	96	46	2.8	3	4.6
LA97006GSB-125-2-B-S1	118.5	32.6	88	47	6.0	34	5.4
HORIZON 321	**116.3**	**36.2**	**90**	**46**	**4.2**	**8**	**4.9**
PLOT SPIKE LA9339	**114.3**	**37.3**	**98**	**52**	**2.6**	**3**	**4.3**
LA98021SB-68-3-1	111.3	34.7	89	46	5.2	11	4.7
LA95035D73-4-1-3-4	108.3	36.4	92	55	3.0	1	4.1
LA98009SBSB-58-B	106.1	34.2	100	47	4.0	5	5.1
LA98002SBS-26-B-S1	101.3	35.5	94	52	5.0	12	4.9
HARRISON CK	**78.9**	**33.3**	**95**	**44**	**3.8**	**28**	**5.2**
LA980028BSBSB-90-S	72.9	30.8	94	41	6.2	43	5.7
TERRAL SECT'T LA495	**40.3**	**27.9**	**94**	**45**	**5.8**	**71**	**6.3**
BROOKS	**19.3**	**28.2**		**46**	**5.3**	**96**	**7.5**
ARO258-7	17.2	24.8	100	37	7.5	80	7.2
Mean	**115.3**	**34.9**		**92**	**49.3**	**3**	**14.8**
CV	**14.6**	**4.2**		**1**	**5.5**	**48**	**53.0**
LSD	**34**	**3**		**5**	**3.7**	**18**	**0.8**

Baton Rouge and Winnsboro, LA.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Lodging and Stem Rust: 0 = none, 9 = severe

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 20. Oat variety trial across Louisiana for two and three years, 2003, 2004, and 2005.

Brand / variety	Grain Yield	Test Weight	Heading Day	Plant Height	Lodging Score	Crown Rust	Stem Rust	Pheno type
	bu/a	lbs/bu	day of yr	in	0-9	%	0-9	0-9
TWO-YEAR								
LA96006BSB-270-S2-C	135.1	33.5	96	36	1.7	0	0	4.3
LA95033D63-1-C-S3	122.9	31.9	98	39	2.4	0	0	4.1
LA96006BSB119-1	120.6	34.0	99	43	2.4	0	0	3.9
LA98010SBS-58	114.1	35.9	97	40	2.8	0	0	3.4
PLOT SPIKE LA9339	**109.1**	**34.6**	**103**	**41**	**2.9**	**1**	**0**	**4.0**
TX02M7344	108.9	33.6	98	41	5.7	0	0	3.6
TAMO 405	**108.5**	**32.3**	**91**	**35**	**4.2**	**0**	**0**	**3.7**
LA97006GBS-22-B-S2	106.4	34.9	99	40	4.8	0	0	3.9
TX02U7097	104.8	32.8	90	44	2.7	0	0	4.5
HORIZON 321	**103.6**	**34.6**	**99**	**36**	**3.3**	**3**	**0**	**4.9**
TAMO397	**101.7**	**31.1**	**89**	**44**	**3.1**	**7**	**0**	**4.6**
LA98002SBS-26-B-S1	101.7	33.8	100	42	3.9	6	0	4.3
LA98009SBSB-58-B	101.4	32.4	104	39	3.7	2	0	4.4
HORIZON 474	**101.2**	**35.6**	**93**	**43**	**3.5**	**6**	**2**	**4.3**
HARRISON CK	**78.9**	**33.3**	**95**		**3.8**	**28**		**5.2**
TERRAL SECT LA495	**75.0**	**29.2**	**98**	**38**	**4.3**	**37**	**0**	**5.9**
BROOKS	**51.5**	**29.1**	**100**	**43**	**5.0**	**65**	**2**	**6.7**
ARO258-7	48.3	29.6	98	47	4.9	41	2	6.2
Mean	**100.5**	**32.9**	**97**	**41**	**3.6**	**10**	**0**	**4.5**
CV	**14.5**	**3.2**	**1**	**7**	**35**	**47**	**127**	**12**
LSD	**28**	**3**	**3**	**4**	**1.8**	**19**	**1**	**0.7**
THREE-YEAR								
LA96006BSB119-1	124.9	33.3	102	46	2.8	0	0	3.9
LA98010SBS-58	116.9	34.9	100	43	2.7	0	1	3.4
LA97006GBS-22-B-S2	116.7	34.0	102	45	3.9	0	0	3.9
PLOT SPIKE LA9339	**115.8**	**33.3**	**105**	**45**	**2.3**	**1**	**1**	**4.0**
HORIZON 321	**114.3**	**33.7**	**102**	**37**	**2.6**	**3**	**0**	**4.7**
TAMO397	**113.1**	**30.8**	**96**	**46**	**2.5**	**5**	**0**	**4.4**
TAMO 405	**108.7**	**32.0**	**96**	**39**	**4.0**	**0**	**0**	**3.8**
HORIZON 474	**105.0**	**35.0**	**97**	**43**	**3.7**	**5**	**3**	**4.0**
TERRAL SECT LA495	**98.3**	**30.4**	**102**	**42**	**3.2**	**32**	**0**	**5.5**
BROOKS	**65.3**	**28.8**	**103**	**47**	**5.1**	**74**	**2**	**5.9**
Mean	**108.0**	**32.6**	**100**	**43**	**3.3**	**12**	**1**	**4.4**
CV	**15.6**	**3.6**	**1**	**5**	**42**	**31**	**79**	**15**
LSD	**15.8**	**1.5**	**2**	**2**	**1.1**	**16**	**2**	**0.5**

Data from five tests: Baton Rouge and Winnsboro for 2005; Baton Rouge, Winnsboro, and Bossier City for 2004; and Alexandria, Baton Rouge, Bossier City, and Winnsboro for 2003.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Lodging and Stem Rust: 0 = none, 9 = severe

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 21. Oat variety trial Baton Rouge, LA, 2005.

Brand / variety	Grain Yield bu/a	Test Weight lbs/bu	Heading Day day of yr	Plant Height in	Lodging Score 0-9	Crown Rust %	Phenotype 0-9
LA96006BSB-270-S2-C	151.5	36.1	90	52	0.0	0	4.4
LA96006BSB-270-S-B-3	140.8	36.5	91	53	0.5	0	3.9
LA95033D63-1-C-S3	135.7	33.5	94	55	1.0	0	4.6
LA98025SBSB-59-C	133.6	35.7	91	58	3.0	2	4.0
LA96006BSB119-1	129.5	37.6	94	60	1.5	1	4.3
TX02U7605	127.4	34.9	85	57	5.0	0	3.9
TAMO 405	**125.0**	**34.6**	**83**	**45**	**4.0**	**0**	**3.8**
LA99016SBSB-98-S	122.1	39.0	95	63	3.0	0	4.0
LA99017SBSB-46	119.8	38.4	95	62	0.5	0	4.4
LA98010SBS-58	119.1	37.8	91	56	2.0	1	3.8
LA97006GBS-22-B-S2	119.1	38.3	97	56	5.0	0	4.1
TX02M7344	117.0	36.3	94	55	4.5	0	3.8
LA99017SBSB-46-BS2	114.8	36.6	95	61	0.0	0	4.3
LA95035D73-4-1-3-4	113.7	36.7	92	61	1.0	2	3.9
TX02U7097	109.7	34.3	83	60	1.0	0	3.6
PLOT SPIKE LA9339	**109.6**	**37.8**	**98**	**59**	**3.5**	**3**	**4.1**
HORIZON 321	**108.8**	**35.5**	**90**	**52**	**5.0**	**5**	**5.0**
LA98009SBSB-58-B-S1	106.7	33.1	96	53	1.0	6	4.4
LA97006GSB-125-2-B-S1	97.2	31.7	88	50	8.0	18	4.8
HORIZON 474	**94.5**	**35.8**	**88**	**56**	**5.0**	**5**	**3.8**
TAMO397	**76.4**	**29.7**	**83**	**54**	**8.0**	**22**	**4.8**
LA98009SBSB-58-B	69.9	32.7	100	55	6.0	10	4.6
LA98021SB-68-3-1	65.0	30.2	89	45	8.5	13	4.9
LA98002SBS-26-B-S1	59.6	32.3	94	59	7.5	11	5.3
LA980028BSBSB-90-S	54.4	29.4	94	40	8.5	31	5.6
TERRAL SECT'T LA495	**34.4**	**27.1**	**94**	**46**	**8.0**	**53**	**5.9**
HARRISON CK	**24.4**	**29.1**	**95**		**9.0**	**45**	**5.4**
ARO258-7	9.2	23.2	100		9.0	60	6.4
BROOKS	**4.6**	**29.5**				**93**	**7.3**
Mean	**96.1**	**33.9**	**92**	**55**	**4.1**	**13**	**4.6**
CV	**15.0**	**4.6**	**1**	**3**	**38.7**	**39**	**5.7**
LSD	**20**	**2**	**1**	**3**	**2.8**	**9**	**0.4**

Ben Hur Research Farm, Central Research Stations. Steve Harrison, Kelly Arceneaux, and Fred Larue.

Planted Nov 11, 2004. Harvested May 17, 2005. 0.40 oz/acre Amber herbicide. 70-0-0 topdress N.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Lodging and Stem Rust: 0 = none, 9 = severe

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 22. Oat variety trial Winnsboro, LA, 2005.

Brand / variety	Grain Yield	Test Weight	Plant Height	Lodging Score	Crown Rust	Phenotype
	bu/a	lbs/bu	in	0-9	%	0-9
LA96006BSB-270-S2-C	194.9	37.2	41	0.0	0	3.5
LA96006BSB-270-S-B-3	185.7	36.8	42	1.7	0	4.0
LA98025SBSB-59-C	181.0	37.7	52	0.7	5	4.8
LA96006BSB119-1	177.2	37.2	45	1.0	0	4.0
TAMO397	**167.9**	**36.3**	**47**	**0.3**	**6**	**4.5**
LA95033D63-1-C-S3	166.8	35.5	43	1.0	0	4.3
LA98010SBS-58	166.0	39.5	47	2.3	0	3.3
TX02U7605	165.9	36.8	46	3.3	0	4.5
LA98021SB-68-3-1	157.7	39.2	47	3.0	9	4.5
LA99017SBSB-46	155.7	37.2	47	1.0	1	4.5
TX02U7097	150.7	35.8	49	3.0	0	4.0
LA99016SBSB-98-S	143.6	37.4	52	0.3	0	4.3
LA98002SBS-26-B-S1	143.1	38.6	46	3.3	13	4.5
HORIZON 474	**143.1**	**40.6**	**48**	**4.0**	**23**	**5.3**
LA98009SBSB-58-B	142.3	35.7	39	2.7	0	5.5
TAMO 405	**141.1**	**36.4**	**40**	**6.0**	**0**	**4.0**
TX02M7344	140.6	38.3	42	7.7	0	3.8
LA97006GSB-125-2-B-S1	139.8	33.5	44	4.7	50	6.0
HARRISON CK	**133.4**	**37.5**	**44**	**0.3**	**12**	**5.0**
LA97006GBS-22-B-S2	133.1	38.1	45	5.7	0	3.8
LA98009SBSB-58-B-S1	130.4	35.3	39	4.0	0	4.8
LA99017SBSB-46-BS2	125.7	35.5	45	1.0	0	4.3
HORIZON 321	**123.7**	**36.8**	**40**	**3.7**	**10**	**4.8**
PLOT SPIKE LA9339	**119.0**	**37.0**	**45**	**2.0**	**3**	**4.5**
LA95035D73-4-1-3-4	102.8	36.0	49	4.3	0	4.3
LA980028BSBSB-90-S	91.4	32.3	42	4.7	55	5.8
TERRAL SECT'T LA495	**46.1**	**28.6**	**45**	**5.0**	**90**	**6.8**
BROOKS	**34.0**	**27.4**	**46**	**5.3**	**100**	**7.8**
ARO258-7	25.1	26.3	37	7.0	100	8.0
Mean	**131.9**	**35.6**	**44**	**3.1**	**19**	**4.9**
CV	**15**	**4**	**8**	**57.6**	**52**	**10.4**
LSD	**27.1**	**2.0**	**6**	**2.4**	**17**	**0.9**

Macon Ridge Research Station, Winnsboro, LA. Rick Mascagni, Bubba Bell, and Boyd Padgett.

Planted 11/19/2004. Harvested 5/25/2005. 0.4 oz/acre Amber herbicide. 60-0-0 topdress on 2/17/2005.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Lodging and Stem Rust: 0 = none, 9 = severe

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 23 . Oat prelim-A at Baton Rouge and Winnsboro, LA, 2005.

Brand / variety	Grain Yield	Test Weight	Head Day	Ht	Lod	Crown Rust	Phenotype
	bu/a	lbs/bu	doy	in	0-9	%	0-9
LA98023SBSBSB-129-1-S	166.5	36.2	94	56	0.5	1	4.4
LA99016SBSBSB-88-S2	138.1	37.2	95	58	5.5	4	5.1
LA98009SBSB-55-4	133.6	36.2	90	58	4.5	1	3.6
LA97006GSB-21-1-B-S2	132.4	38.1	93	59	3.5	0	3.9
HORIZON 321	**127.2**	**36.9**	**91**	**55**	**3.5**	**3**	**4.5**
LA9339	**121.2**	**37.6**	**98**	**61**	**3.0**	**1**	**4.4**
LA96006BSB82-3-B-S2	119.0	37.9	94	60	8.0	2	4.4
LA98002SBS-64-B-S2	116.7	35.2	89	58	8.0	3	4.8
HORIZON 474	**116.7**	**37.3**	**89**	**55**	**8.0**	**4**	**4.3**
LA99016SBSBSB-99-S2	111.7	36.2	94	60	5.5	10	4.8
LA98002SBS-50-1-C	107.9	31.6	93	53	8.0	16	5.2
LA98009SBS-81-B-S2	106.0	32.5	94	54	7.5	13	4.4
LA98002SBSBSB-84-2-S1	101.2	34.6	94	59	8.0	10	4.4
BROOKS	**35.2**	**32.8**	**.**	**.**	**.**	**88**	**7.7**
Mean	**116.7**	**35.8**	**93**	**57**	**5.7**	**11**	**4.7**
CV	**14**	**4**				**46**	**9.3**
LSD	**36.6**	**4.1**				**13**	**1.1**

Ben Hur Research Farm, Baton Rouge, LA. AND Macon Ridge Research Station, Winnsboro,LA.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 24 . Oat prelim-A at Baton Rouge, LA, 2005.

Brand / variety	Grain Yield bu/a	Test Weight lbs/bu	Head Day doy	Ht in	Lod 0-9	Crown Rust %	Phenotype 0-9
LA98023SBSBSB-129-1-S	164.1	36.3	94.0	55.5	0.5	1	4.0
LA9339	**106.8**	**35.8**	**98.0**	**60.5**	**3.0**	**2**	**4.1**
HORIZON 321	**105.5**	**35.7**	**91.0**	**54.5**	**3.5**	**5**	**4.5**
LA97006GSB-21-1-B-S2	105.1	38.4	93.0	58.5	3.5	0	4.0
LA98009SBSB-55-4	101.5	34.0	90.0	58.0	4.5	2	4.0
LA99016SBSBSB-88-S2	97.1	36.2	95.0	57.5	5.5	5	4.8
HORIZON 474	**85.4**	**34.9**	**89.0**	**55.0**	**8.0**	**8**	**4.6**
LA98002SBS-64-B-S2	75.3	32.6	89.0	58.0	8.0	5	4.9
LA96006BSB82-3-B-S2	72.6	35.1	93.5	59.5	8.0	4	4.9
LA98009SBS-81-B-S2	70.6	28.2	94.0	53.5	7.5	26	5.3
LA98002SBSBSB-84-2-S1	61.6	31.2	94.0	59.0	8.0	19	5.1
LA98002SBS-50-1-C	56.2	26.4	92.5	52.5	8.0	30	5.9
LA99016SBSBSB-99-S2	53.6	33.6	94.0	59.5	5.5	19	5.5
BROOKS	**2.1**					**94**	**7.4**
Mean	**82.7**	**33.7**	**92.8**	**57.0**	**5.7**	**16**	**4.9**
CV	**24**	**5**	**1**	**2**	**17**	**43**	**9.4**
LSD	**34.7**	**3.2**	**1.1**	**2.3**	**1.7**	**12**	**0.8**

Ben Hur Research Farm, Baton Rouge, LA.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 25 . Oat prelim-A at Winnsboro, LA, 2005.

Brand / variety	Grain Yield bu/a	Test Weight lbs/bu	Crown Rust %	Phenotype 0-9	Uniformity 0-9
LA99016SBSBSB-88-S2	179.1	35.2	4	5.5	1.0
LA99016SBSBSB-99-S2	169.8	35.9	0	4.0	2.0
LA98023SBSBSB-129-1-S	168.9	33.1	1	4.8	2.0
LA98009SBSB-55-4	165.7	35.3	0	3.3	1.0
LA96006BSB82-3-B-S2	165.4	37.7	1	4.0	1.5
LA98002SBS-50-1-C	159.6	33.8	1	4.5	2.0
LA97006GSB-21-1-B-S2	159.6	34.9	0	3.8	1.0
LA98002SBS-64-B-S2	158.0	34.8	0	4.8	1.0
HORIZON 321	**148.8**	**35.0**	**2**	**4.5**	**1.0**
HORIZON 474	**147.9**	**36.7**	**1**	**4.0**	**1.0**
LA98009SBS-81-B-S2	141.4	33.7	0	3.5	1.0
LA98002SBSBSB-84-2-S1	140.8	35.0	1	3.8	1.0
LA9339	**135.6**	**36.3**	**1**	**4.8**	**1.0**
BROOKS	**68.3**	**29.8**	**81**	**8.0**	**1.5**
Mean	**150.6**	**34.8**	**7**	**4.5**	**1.3**
CV	**8**	**2**	**38**	**9.2**	**42**
LSD	**20.3**	**1.5**	**4**	**0.7**	**0.9**

Macon Ridge Research Station, Winnsboro, LA. Rick Mascagni and Bubba Bell.

Planted 11/19/2004. Harvested 5/25/2005. 0.4 oz/acre Amber herbicide. 60-0-0 topdress on 2/17/2005.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Table 26. Oat prelim-B at Baton Rouge, LA, 2005.

Brand / variety	Grain Yield	Test Weight	Head Day	Ht	Lod	Crown Rust	Phenotype
	bu/a	lbs/bu	doy	in	0-9	%	0-9
LA02079-S-B-69-S2	152.7	35.3	83	54	3.5	0	3.2
LA9917SBSBSB-31-B-S-B-S1	141.9	39.9	95	57	0.0	0	4.0
LA98025SBSB-59-B-S1-B-S1	129.1	37.9	90	60	2.5	1	3.8
FL0104FSB-113-S1	126.2	32.9	81	61	8.0	1	4.4
LA02030-S-B-106-S1	121.2	37.3	94	60	0.5	1	4.2
LA02018-S-B-112-S1	120.0	37.7	89	56	4.5	1	3.7
LA02030-S-B-5-S2	119.9	37.6	88	58	3.0	0	3.5
FL99128DSB-24-S2-S-B-S2	118.3	32.8	97	56	0.0	1	5.6
LA98009SBSB-55-4-B-S1	118.0	37.3	90	60	5.0	0	3.4
LA98030BSB-68-3-3-B-S-B-S1	116.9	34.7	95	56	1.0	1	3.7
FL99153FBS-45-1-B-S-B-S2	116.1	39.6	94	60	3.5	0	4.1
LA9825BSB-38-B-8-B-S-B-S1	114.6	39.8	95	56	1.0	0	4.8
LA02054-S-B-167-S2	110.0	38.8	94	61	0.5	0	3.8
HZN 321 CK	**109.5**	**37.4**	**93**	**57**	**2.5**	**2**	**4.7**
LA02048-S-B-54-S2	106.8	35.0	88	60	5.5	0	4.5
LA02079-S-B-16-S2	103.2	33.9	89	60	6.0	3	4.8
LA9917SBSBSB-275-B-S-B-S1	95.1	38.4	97	66	0.5	0	4.5
LA02065-S-B-165-S1	90.3	35.8	90	56	2.0	10	4.6
LA9339 CK	**84.2**	**36.9**	**98**	**61**	**4.5**	**3**	**3.9**
LA976 CK	**74.9**	**38.0**	**95**	**56**	**7.5**	**0**	**4.7**
Mean	**113.4**	**36.8**	**92**	**58**	**3.1**	**1**	**4.2**
CV	**9**	**2**	**1**	**3**	**55**	**217**	**12**
LSD	**16.7**	**1.2**	**2**	**3**	**3.1**	**4**	**0.9**

Ben Hur Research Farm, Baton Rouge, LA.

Bold indicates a released (commercial) variety, others are non-released breeding lines.

Phenotype is a relative 'visual appeal' rating that takes into account plant vigor, diseases, etc. 0 = best.

Uniform Oat Nursery at Baton Rouge, LA, 2005.

Table 27. USDA Uniform Winter Oat Yield Nursry at Baton Rouge, LA.

USDA/ARS Uniform Winter Oat Yield Trial 2004-05							Plot size (ft^2): 70			Seeding date:		11/11
Cooperator: S Harrison, K. Arceneaux, F Larue				Location: Baton Rouge, LA			No. Reps: 3			Harvest date:		5/17
		Yield	TW	Heading	Height	Lodging	Wint kill	Crown rust	Stem rust	BYDV	PHE	Other
Entry	Designation	bu/A	lb/bu	Julian	in.	0-9	%	%	%	0-9	0-9	
1	Rodgers	5.3	.	96	.	9.0		100			7.0	
2	TAM-O-397	70.9	28.7	86	54	7.5		43			4.6	
3	Harrison	39.8	30.5	94	56	8.0		58			5.6	
4	ARO231-3	5.6	.	100	.	9.0		98			6.4	
5	ARO289-9	7.2	.	97	.	9.0		100			7.5	
6	ARO336-3	2.5	.	.	.	9.0		100			8.1	
7	ARO336-12	2.5	.	.	.	9.0		95			7.9	
8	FL9304-Y11-B3-C5	79.3	32.6	94	55	5.5		38			4.0	
9	FL9605-Ab-B4	62.6	32.1	92	55	8.0		50			5.5	
10	FL98107-C3	6.2	.	96	.	9.0		95			6.9	
11	FL-TX96M1418-C2	97.6	35.7	96	61	0.5		0			4.5	
12	LA96006BSB-270-S2	151.8	37.3	92	53	1.0		0			3.3	
13	LA976GBS-22-B-S2	79.8	33.4	95	60	3.0		0			3.9	
14	LA98001SBSBSB-82-S	64.0	36.6	95	53	3.5		15			4.6	
15	LA9810SBS-58	139.7	38.1	91	58	0.5		0			3.4	
16	LA9825SBSB-59-C	118.3	34.4	93	60	4.0		10			4.0	
17	LA99016SBSB-98-S	102.4	38.1	95	61	0.0		0			3.9	
18	NC98-197N	2.4	.	90	.	9.0		100			6.5	
19	NC01-3981	10.7	.	95	.	9.0		95			5.8	
20	SC010907	0.0	.	.	.	9.0		100			7.5	
21	TX01CSRH sel 1	129.1	34.7	87	45	3.0		0			3.5	
22	TX02U7097	97.3	32.4	88	59	4.5		0			3.8	
23	TX02U7344	122.6	36.0	94	55	3.5		0			3.9	
24	TX02U7605	128.4	35.1	85	57	7.5		0			3.5	
	Mean	63.6	34.4	93.0	56	5.8		46.0			5.2	
	%CV	18.2	4.2	1	3	26.2		17			9.1	
	LSD	15.9	2	1	3	2.7		14			0.8	
Comments: ***Please include here growing conditions during the year.***												
	Wet fall; warm winter, cool spring; very dry grainfill.											
	Heavy crown rust, no stem rust.											
PHE	Phenotype: 0 = excellent visual appearance; 5 = average; 9 = very poor.											
TW	Missing test weights are due to very low yields											
	Missing heights are due to severe lodging early in grainfill that resulted from severe crown rust destroying stems.											

Appendix A. Entries in the 2004 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
WHEAT		
AgriPro	APW742, APW749, Beretta, Natchez, Panola.....	AgriPro Seed Inc. P.O. Box 2365 Jonesboro, AR 72402
AGS	AGS 2000.....	Ag South Genetics 136 Red Oak Ave. Albany, GA 31721
Armor	Armor 2010, 3035, 3330.....	Armor Seed P.O. Box 178 Fisher, AR 72429
Croplan	Croplan 517W, 554W.....	Croplan Genetics 301 Crocker Rd. Choudrant, LA 71227
Delta Grow	Delta Grow 4100, 4200, 4500.....	Delta Grow Seed P.O. Box 219 England, AR 72046
Dixie	Dixie 900, 9512, 9812.....	Cache River Valley Seed P.O. Box 10 Cash, AR 72421
Delta King	DK 1551W, GR9108, 7710, 7830, 7900, 9410, 9577, 9650	Delta King Seed P.O. Box 970 McCrory, AR 72101
Genesis	RO 23, RO 33.....	Genesis Brand Seed P.O. Box 21085 Lansing, MI 48909
Hornbeck	HBK 3266.....	Hornbeck Seed Co. P.O. Box 472 DeWitt, AR 72042
LA lines	All numbered LA lines.....	Louisiana Agric. Expt. Stn. Agronomy Dept. - LSU Baton Rouge, LA 70803

Appendix A. Entries in the 2004 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
WHEAT		
Pioneer	26R61	Pioneer Hi-Bred Int. 7501 S. Memorial Pkwy. Suite 205 Huntsville, AL 35802
Progeny	Progeny 110, 125, 133, 145, 156, 166, 185	Progeny Ag. Products 1529 Hwy 193 Wynne, AR 72396
Vigoro	McIntosh, V9513	Royster - Clark, Inc. 717 Robinson Road SE Washington C.H. OH 43160
NK	B980582, B980696, Coker 9152, Coker 9375	Syngenta Seeds, Inc. 778 CR 680 Bay, AR 72411
Terral	LA841, TV8450, TV8466, TV8502, TV8558 TV8565, TVX84W451	Terral Seed Inc. P.O. Box 826 Lake Providence, LA 71254
Univ. of Ark	Pat.	Arkansas Agric. Expt. Stn. Dept. of Agronomy University of Arkansas Fayetteville, AR 72701
UGA	951079-2E31, 951212-2E26	Georgia Agric. Expt. Stn. Crop & Soil Science - UGA 1109 Experiment St. Griffin, GA 30223
USG	USG 3209, 3350, 3592, EXP. 910	UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211
VPI	McCormick	VPI 2229 Menokin Rd. Warsaw, VA 22572

Appendix A. Entries in the 2004 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
OATS		
Ark County Seed	Harrison	Arkansas County Seed Co. Inc. P.O. Box 43 Stuttgart, AR 72160
LA	All Numbered LA lines	Louisiana Agric. Expt. Stn. Agronomy Dept. - LSU Baton Rouge, LA 70803
NC State	Brooks	North Carolina Agric. Expt. Stn. Crop Science Department North Carolina State University Raleigh, NC 27695
Plantation	Horizon 321, 474	Plantation Seed P.O. Box 398 Newton, GA 39870
Plot Spike	LA9339	Ragan & Massey, Inc. 100 Ponchatoula Parkway Ponchatoula, LA 70454
Terral	Secretariat LA495	Terral Seed Inc. P.O. Box 826 Lake Providence, LA 71254
Texas A&M	TX01CSRHSEL.1, TX027605, TX02M7344	Texas Agric. Expt. Stn. Dept. of Crops & Soils Texas A&M Univ. College Station, TX 77843
Univ. of Ark	ARO258-7	Arkansas Agric. Expt. Stn. Dept. of Agronomy University of Arkansas Fayetteville, AR 72701