2015 SMALL GRAIN PERFORMANCE TRIALS

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LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER
William B. Richardson, LSU Vice President for Agriculture and Dean of the College of Agriculture
B. Rodgers Leonard, Assoc. Vice Chancellor, and Plant and Soil Program Leader

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INTRODUCTION

Small grain variety trials are conducted annually by scientists of the Louisiana State University Agricultural Center Agricultural Experiment Station (LSUAC) to evaluate grain yield, agronomic performance, and disease reaction of varieties and advanced lines. The trials are conducted at seven LSUAC research stations representative of the major soil and climate regions of the state. 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. The 2015 statewide wheat performance trials included 78 varieties (bold font) and experimental lines (normal font).

New entries in the statewide trials are tested at all locations, but may be dropped from a region the following year if they show little potential, usually late-heading lies in south Louisiana. 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. Wheat yield data were not reported at Baton Rouge due to severe storms with high winds prior to harvest.

When choosing varieties, growers should consult their local extension agents and choose varieties based on two year data within a region, not based on a single year or location. Growers should also consider specific data from the LSUAC variety trial location that most closely matches the weather and soil conditions of their farm and should avoid growing a single variety on a large acreage. Growing several varieties helps hedge against losing the entire crop to chance occurrences in weather or shifts in pathogen or pest 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 in order 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 with the exception of Baton Rouge 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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1 Professor and variety trial coordinator, Research Associate, and Research Farm Assistant 2, respectively. SPESS Department, Baton Rouge.
2 Professor, and Research Associate, respectively, Northeast Research Station, St. Joseph.
3 Research Associate, Professor, Associate Professor, and Research Associates, respectively. Rice Research Station, Crowley.
4 Associate Professor, Research Farm Assistant 1, and Research Associate, respectively. Red River Research Station, Bossier City.
5 Extension Associate, Assistant Professor, Regional Director, and Associate Professor, respectively, Dean Lee Research Station, Alexandria.
6 Assistant Professor, Assistant Professor and Research Associates, respectively. Macon Ridge Research Station, Winnsboro.
7 Professor and Research Associates. 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 (like yield) 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" in the test, 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 two 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 this 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 stripe 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 and 9 indicates severe disease present on the foliage. 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 2014-2015

The 2014-15 growing season was challenging for growers and researchers. It was characterized by high amounts of rainfall across the season, particularly in December and mid-March through the end of April. Heavy rainfall during flowering resulted in severe Fusarium Headblight (FHB) pressure. Many fields were abandoned by growers and most of those that were harvested had poor yields and test weights due to FHB and weathering after maturity.

Bacterial streak (Xanthomonas) was common throughout the trials as a result of the driving rains that occurred in the spring. Leaf and stripe rust were not significant problems. Strong storms during April and early May resulted in severe lodging in Baton Rouge and as a result, there were no yield plots combine-harvested in the breeding program or variety testing program at that location.

Results and Discussion

Performance of Wheat Varieties Across South Louisiana

South Region Means:

There were 59 varieties and breeding lines evaluated in trials across South Louisiana in 2015. Test weight and yield were adversely affected by widespread Fusarium Head Blight (FHB) and excessive rainfall throughout the spring and during harvest. Leaf rust developed late in the growing season. Although early-heading varieties generally out-performed later varieties in South Louisiana, nothing performed well under the existing conditions.

The average yield of 59 entries across Jeanerette and Crowley was only 27.6 bu/acre. The average test weight was extremely low (46.0 lbs/bu) and no entries exceeded 50 lbs/bu (Table 1). LA09264C-P2 (47.2bu/acre) was the only entry to exceed 50 bu/acre across South Louisiana for 2015. The varieties AGS 2040 and AGS 2060 along with the experimental lines LA01110D-150-625 and LA01110D-150-241 all had yields above 42.0 bu/acre, compared to the mean of 27.6 bu/acre.

There was a strong negative correlation between heading date and grain yield (r=-0.89**). Heading dates for these top five yielding entries ranged between 85 and 92 days compared to the mean of 95 days. The top twenty yielding entries all headed at least three days before the mean, whereas 16 of the 17 lowest-yielding entries had heading dates at least five days later than the test mean. Leaf rust pressure was fairly high and the four top-yielding entries had leaf rust ratings of 0%. Stripe rust pressure was low, reflected in a mean rating of 0.4% with the top fifteen yielding entries all having a rating of 0%.

USG 3120 (67.3 bu/acre) had the highest mean yield of 24 entries across South Louisiana for two years (Table 2). AGS 2035, TERRAL LA 754 and Jamestown, and the breeding line LA 03200E-2 also all had two-year mean yields greater than 64 bu/acre. The average yield was 59.1 bu/acre. These entries also all had test weights above 55.1 lbs/bu, greater than the test mean of 53.8 lbs/bu.

Terral LA754 had the highest yield across South Louisiana (75.5 bu/acre), followed by LA03200E-2, AGS 2038, and USG 3120 with yields greater than73 bu/acre, compared to the test mean of 67.6 bu/acre (Table 3). Yield was again correlated to heading date with earlier entries yielding higher. The top four yielding entries all had heading dates equal to or earlier than the mean and stripe rust ratings of 0%. Significant differences occurred among entries for lead rust and FHB incidence.

Crowley

Despite a later than normal planting date (December 1), good stands were established but heavy rainfall resulted in high Fusarium Head Blight levels which caused poor yields and test weights. The breeding line LA09264C-P2 (48.7 bu/acre) followed by LA01110D-150-625, LA03200E-2, LA09264C-P5, and Dyna-Gro Savoy had the highest yields (>43 bu/acre) of 59 entries, well above the mean of 28.3 bu/acre (Table 4).

Leaf rust (mean = 9%) and Fusarium Head Blight (mean = 9%) pressure were moderately high. These five highest-yielding entries had heading dates ranging from 84

to 89, compared to the test mean of 93 days. The 11 lowest yielding entries all had heading dates of 100 days or later. Test weights ranged from 37.8 to 53.2 lbs/bu with all five top yielding entries having above average test weight.

The variety Dyna-Gro Savoy (73.0 bu/acre) had the highest two-year mean yield (73.0 bu/acre) of 24 entries at Crowley. LA03200E-2, Terral LA754, AGS 2035, Pioneer 26R94, and USG 3120 yielded >66 bu/acre, well above the mean of 56.6 bu/acre.

Jeanerette

The leading five highest-yielding entries at Jeanerette for 2015 were LA09264C-P2 (53.9 bu/acre), AGS 2040, AGS 2060, LA09056C-P10, and GA-04434-12LE28 (Table 5) with yields well above the test mean of 26.7 bu/acre. Test weights ranged from 36.9 to 49.4 lbs/bu with a mean of only 43.7 lbs/bu. Stripe and leaf rust pressure was low with only 7 entries with stripe rust >0 and 4 entries with leaf rust >0%. Heading day ranged from day 83 to 107, with a mean of 97. Lodging was widespread, with all plots affected and ranged from 1 to 9 on a 0-9 scale with a mean of 4.

The five released varieties, Terral LA754 (58.5 bu/acre), AGS 2060, AGS 2038 , AGS 2035,and Sngenta SY Cypress had the highest yields at Jeanerette over 2 years (Table 5). All five had leaf rust and stripe rust incidence ratings of 0% in 2015 at this location.

Performance of Wheat Varieties Across North Louisiana

North Region Means:

North Louisiana wheat yields and test weights were better than in South Louisiana but were substantially lower than normal. The test at Alexandria was marginal, with a yield CV of 43% and a mean yield of only 27.3 bu/acre. Therefore, data from North Louisiana in 2015 is presented with and without Alexandria data included and Alexandria is not included in analyses over years.

Armor Octane (61.6 bu/acre) had the highest yield followed by USG 3833, USG 3895 and AgrMaxx 447 with yields greater than 60 bu/acre, (Table 6). The average yield of 78 entries was 46.7 bu/acre. These five highest-yielding entries all had 0% stripe rust and 2% or less leaf rust. Lodging was a problem due to spring storms. The average heading date was 96 and 113 of the 15 highest-yielding entries had heading dates that were later than 96. All five top yielding entries had test weights of 55.0 lbs/bu or greater, compared to the mean of 53.2 lbs/bu.

Excluding Alexandria data from the regional means resulted in a 7 bu/acre increase in mean yield and caused significant changes in the rankings of some entries (Table 7). Pioneer 26R87 dropped from a yield rank of five to a rank of 13 when Alexandria data were excluded. GA-03564-12E6 dropped from a ranking of 8 in yield to a ranking of 31.

Pioneer 26R41 has the highest two-year mean yield (78.6 bu/acre) of 49 entries across north Louisiana (Table 8). Dyna-Gro 9171, USG 3833, Armor Octane also yielded greater than 75 bu/acre compared to the mean of 68.6 bu/acre. The average heading day was 103. Twenty-seven of the 29 highest-yielding entries had heading dates later than 103 whereas 14 of the 15 lowest-yielding entries were earlier than 103 days.

Pioneer 26R41 (81.1 bu/acre) also had the highest yield of 37 entries across north Louisiana for three years (Table 9). Armor Octane, USG 3833, Dyna Gro 9171, USG 3201 and Pioneer also all yielded above 78.0 bu/acre. The yield mean was 71.0 bu/acre.

All six had heading dates of day 105 or later, compared to the mean of 102. Yield was negatively correlated with heading date (r=-0.79**), stripe rust (r=-0.56**), and FHB r=-0/57**). Later entries which have less stripe rust and Fusarium Headblight have higher yields.

Alexandria

2015 data from Alexandria was marginal due to persistent rains and combine problems which complicated harvest. Yields were very low and variable (CV=43%). Test weight data were not collected. The top entry, GA-03564-12E6 had a yield of 58.7 bu/acre. Yield ranged from 58.7 bu/acre to 1.6 bu/acre with a mean of 27.3 bu/acre (Table 10). Leaf rust data were incomplete. Stripe rust incidence ratings ranged from 0% to 48% with a mean of 2%. Sixty five entries had Stripe rust incidence ratings of 0%. Bird damage and shattering were also a problem at Alexandria with means of 1.1 (0-10 scale) and 0.6 (0-10 scale), respectively.

Bossier City

Yields at Bossier City were higher than at Alexandria with a range of 76.0 to 33.5 bu/acre (Table 11). AgriMaxx 447 (76.2 bu/acre) had the highest yield followed by USG 3895, USG 3833, Armor Octane, and Dixie Extreme with yields equal to or greater than 67 bu/acre (Table 11). The average yield mean of 78 entries was 53.5 bu/acre. Lodging was moderately severe, ranging from 0 to 8 (0-9 scale) with a mean of 3.0.

Late entries generally performed better and had lower levels of Stripe rust and Fusarium Headblight. Heading date ranged from day 94 to day 105 with a mean of 101. Test weights of the five top yielding lines ranged from 54.0 bu/acre to 60.7 bu/acre compared to the mean of 54.2 bu/acre.

Dixie Extreme (73.2 bu/acre) had the highest yield of 43 entries at Bossier City over two years (Table 11). The top five-yielding varieties all had yields of 70.7 bu/acre or above versus a mean yield of 62.9 bu/acre. These entries were all late, had 0% stripe rust, and had very low FHB scores. Later-heading entries probably escape some of the FHB infection since FHB infection occurs at heading.

St. Joseph

The trial at St. Joseph produced the highest yields in 2015. Yields ranged from 74.5 bu/acre (Pioneer 26R41) to 34.4 bu/acre (Pioneer 26R94) with a mean of 56.1 bu/acre (Table 12). Test weights ranged from 57.7 lbs/bu to 48.4 bu/acre with a mean of 53.3 bu/acre. There were stand issues due to bird damage which resulting in several plots being discarded. Disease pressure was not severe enough at St. Joseph to warrant the taking of notes.

Go Wheat 2057 (73.7 bu/acre) had the highest yield of 43 entries at St. Joseph over two years (Table 12). Pioneer 26R41, USG 3833, Terral TV8861, and USG 3404 also all had yields above 75.0 bu/acre compared to a mean of 66.7 bu/acre.

Winnsboro

The tests at Winnsboro produced good data although yields and test weights were a little lower than normal. Late spring freezes resulted in stem damage that led to severe lodging is some of the earlier entries. Yield and test weight were also reduced by prolonged rainfall and sever FHB incidence.

The top five entries Syngenta SY Viper (73.1 bu/acre), Armor Octane (70.3 bu/acre), Agrimaxx 447 (68.7 bu/acre), LA09011UB-2 (68.0 bu/acre), and Pioneer 26R87 (67.5 bu/acre). The average yield was 52.0 bu/acre (Table 13). Stripe rust pressure was moderate with severities of reaching 40% on a few entries. Leaf rust developed late in the season and probably did not impact yield incidence even though incidence reach 65% on one variety. The highest-yielding varieties generally headed a few days later than the test mean of 96. Septoria pressure was low to moderate with ratings ranging between 0.5 and 3.3 (0-9 scale). Fusarium Head blight pressure was very high (2.8 – 8.8) with a mean of 5.9 (0-9 scale). There were significant differences among entries for FHB incidence, although these differences should be examined within approximately the same heading date. Later-heading entries may have escaped FHB by virtues of heading during a time of diminished rainfall.

Dyna-Gro 9171 had the highest two year mean yield (78.2 bu/acre) at Winnsboro (Table 13). The top 16 of 42 entries had test weights above 70.0 compared to the mean of 67.6 bu/acre.

Statewide Performance of Wheat Varieties

GA-03564-12E6 (50.7 bu/acre) had the highest yield of 59 entries across six locations in 2015 (Table 14). LA03200E-2 (48.9 bu/acre), USG 3895 (48.2 bu/acre), LA09264C-P2 (48.2 bu/acre) and LA09011UB-2 (47.9 bu/acre) round out the top five. Test weights ranged from 45.0 to 52.1 lbs/bu with a mean of 49.2 bu/acre. The 15 highest-yielding entries had low stripe rust incidence of 2% or less and mostly good leaf rust ratings. FHB pressure was high, ranging from 1.5 to 5.5 (0-9 scale).

Since the Alexandria data were marginal, statewide data were again analyzed excluding this location. There were slight differences in entry rankings, usually not more than one or two slots (Table 15). The largest difference in means occurred in yield, which increased from 39.6 bu/acre to 42.1 bu/acre with the exclusion of Alexandria.

Pioneer 26R41 (70.2 bu/acre) had the highest statewide yield for two years of 24 entries (Table 16). Armor ARX1332, DYNA-GRO 9171, and AGS 2038 all had yields above 66.0 bu/acre compared to a mean of 63.bu/acre. Pioneer 26R41 had 0% stripe rust, 1% leaf rust and a FHB score of 1.7. LA03200E-2 (66.0 bu/acre) ranked fifth in yield and had a heading day earlier than the mean of 97.

Pioneer 26R41 (73.4 bu/acre) again led in yield statewide for three years (Table 17). AGS 2038 (72.1 bu/acre), Terral LA754 (70.6 bu/acre), and LA03200E-2 (70.4 bu/acre) also performed at the top of 19 entries for yield, well above the mean of 67.9 bu/acre.

Performance of Oat Varieties

Performance of Oat Varieties Across Louisiana:

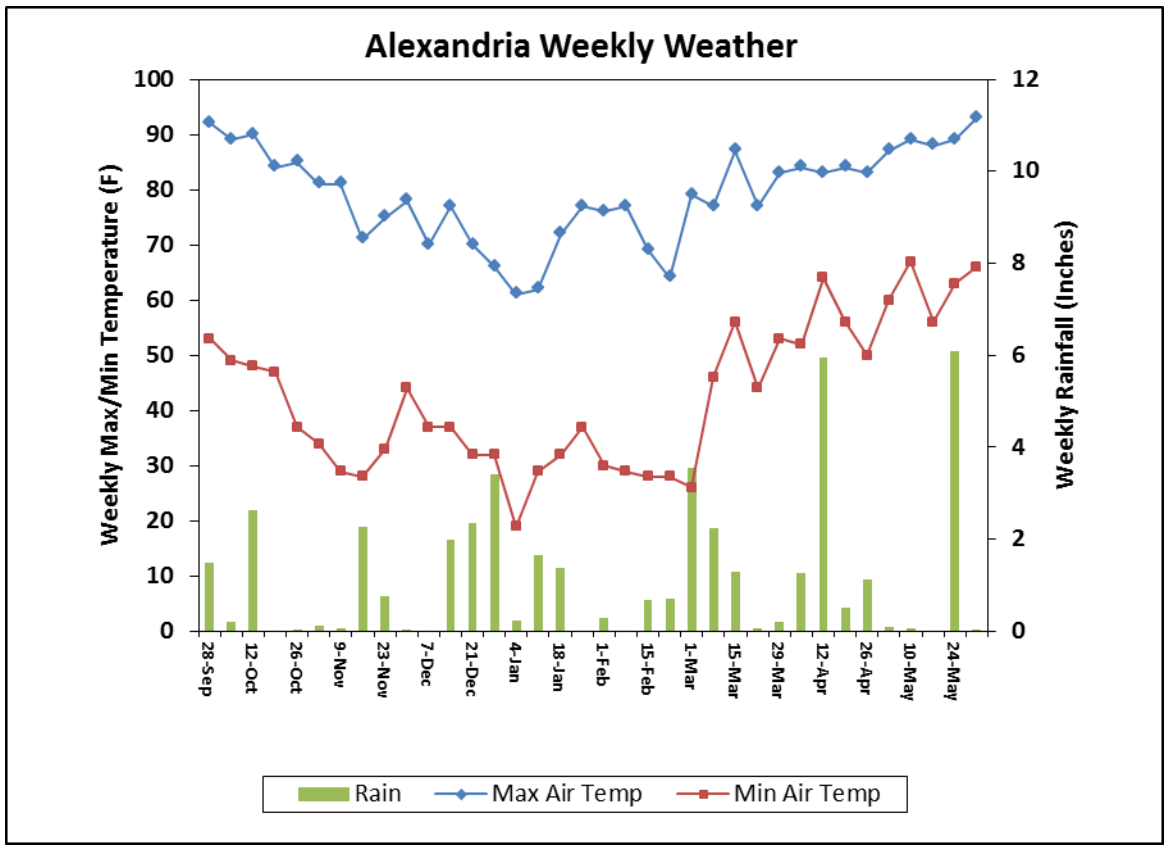
Horizon 270 (128.2 bu/acre) had the highest yield of 12 entries for two years statewide followed by LA02065SBSBSBSB-88, Horizon 201, and TX09CS1112, all with yields above 120.0 bu/acre compared to the mean of 112.2 bu/acre (Table 18). The earliest entry, LA07007SBSB-68 (day 98) had the lowest average yield (94.6 bu/acre), but fourth highest test weight (32.8 lbs/bu).

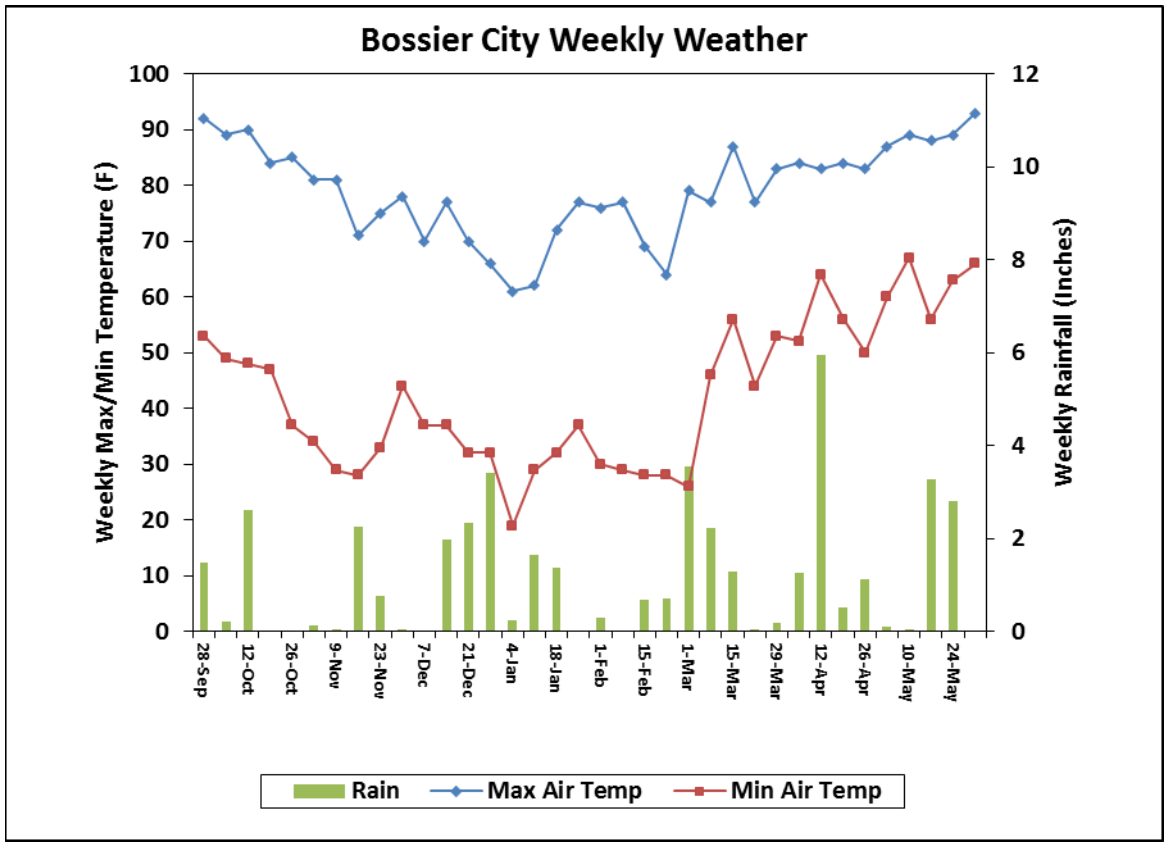
Horizon 201 (104.8 bu/acre) had the highest yield statewide for three years (Table 19). LA99016 and Horizon 306 ranked second and third, both with yields above 100.0 bu/acre. All three entries had crown rust incidences of 0% and test weights above 31.5 lbs/bu.

Winnsboro:

Winnsboro was the only yield trials that was harvested in 2015 due to severe lodging at the other two locations. Oat yields were low in 2015 as a result of a wet winter with prolonged periods of saturated soils as well as heavy rains and strong winds which led to lodging of poorly-tillered plants. LA08085SS-T3 (98.2 bu/acre) had the highest yield at Winnsboro in 2015 followed by Horizon 270 (96.7 bu/acre), Horizon 306 (85.6 bu/acre) FL0720-R6 (83.8 bu/acre) and LA08084SBSBS-15 (83.5 bu/acre) (Table 20). Horizon 306, the third highest in yield, had the highest test weight (33.0 lbs/bu) compared to the mean of 29.7 lbs/bu. Winter stress was high, ranging from 3.5 to 7.0 (0-9 scale) with a mean of 4.3. There was very little disease pressure.

Figure 1. Rainfall and temperature graphs.





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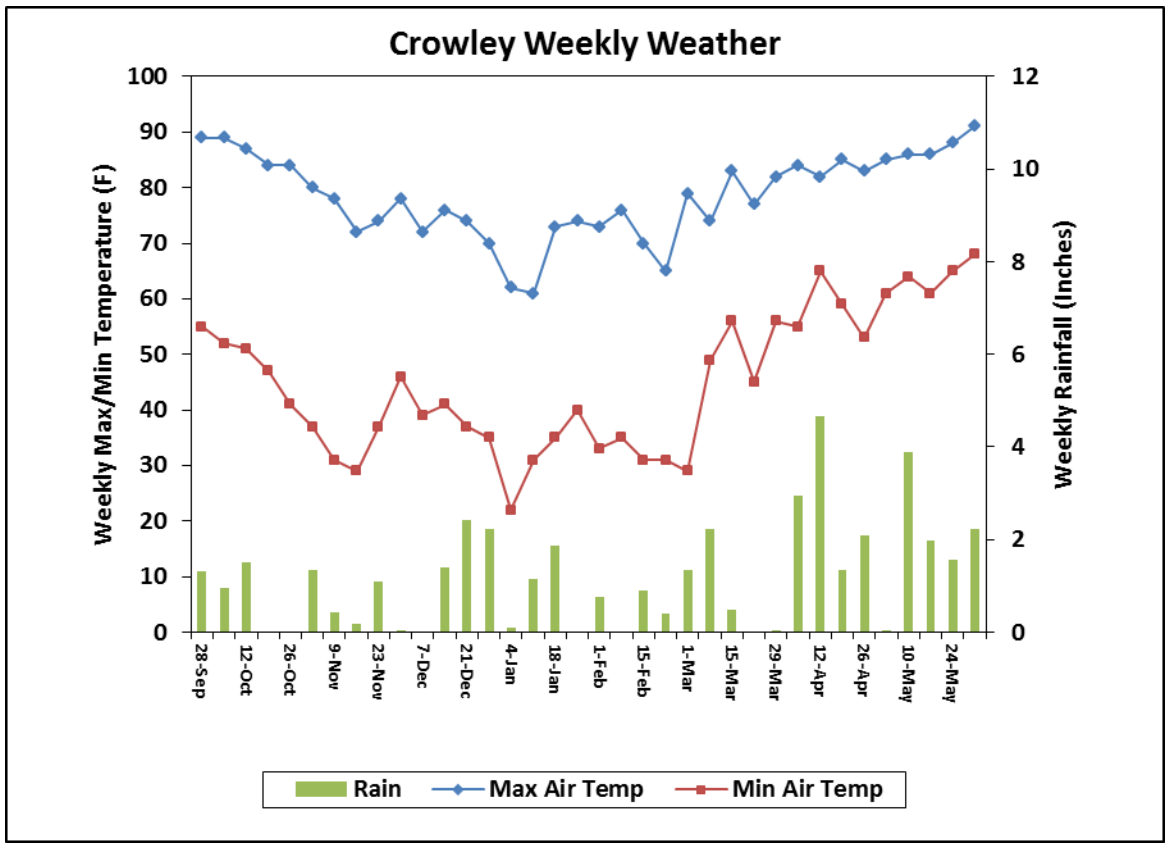

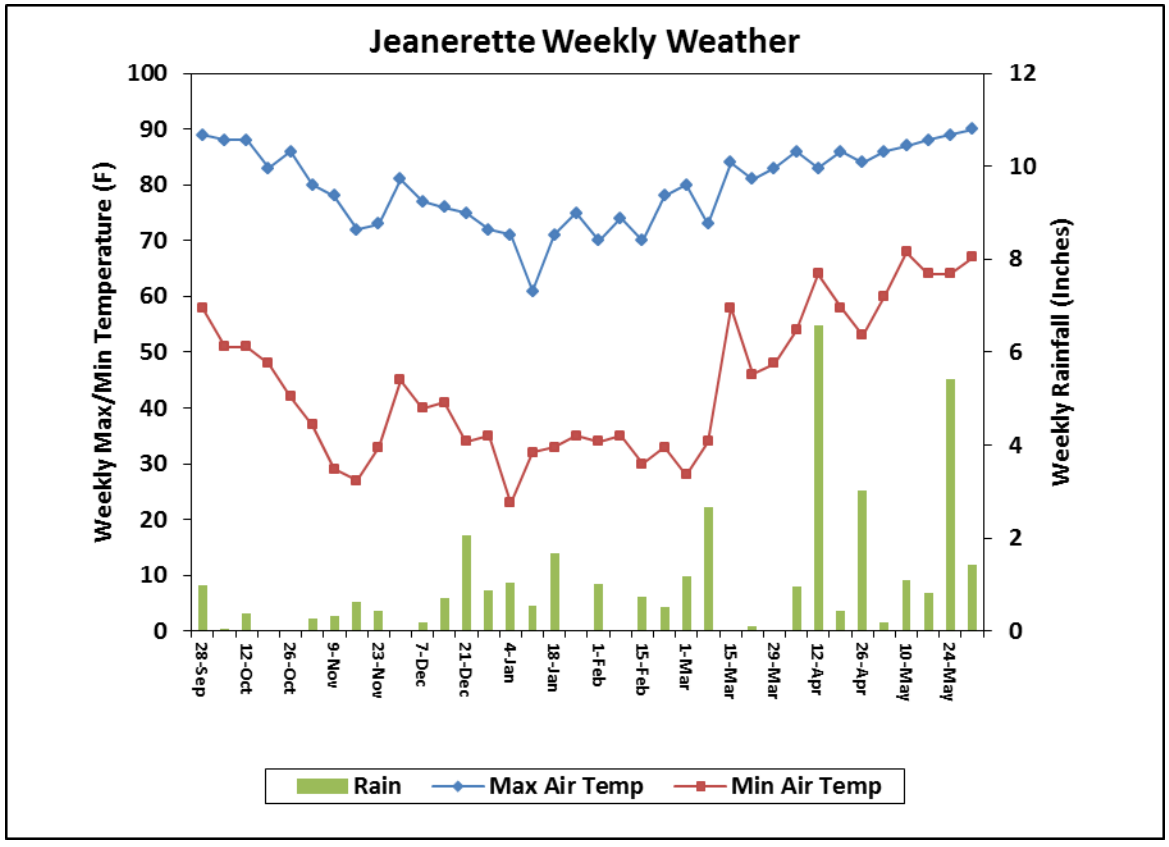

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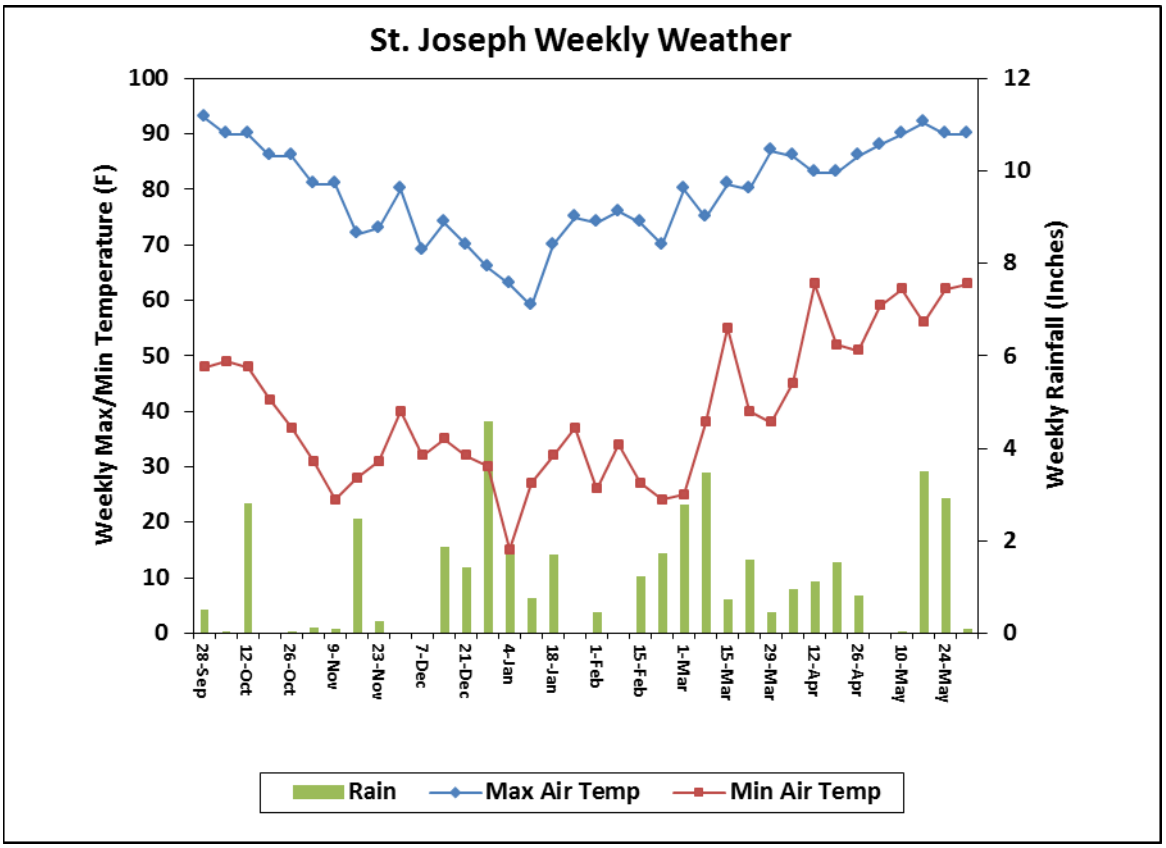

Table 1. Wheat performance trial at South Louisiana for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lod ging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
LA09264C-P2	51.3	47.2	85	33	4.2	0	0	0.0
AGS 2040	**45.5**	**49.1**	**87**	**32**	**2.3**	**0**	**0**	**0.0**
LA01110D-150-625	44.6	49.2	91	35	2.5	0	0	1.2
LA01110D-150-241	42.7	48.2	92	36	1.3	0	0	2.5
AGS 2060	**42.5**	**45.2**	**87**	**37**	**3.7**	**0**	**30**	**1.4**
LA09264C-P5	41.9	47.2	91	31	3.5	0	0	1.8
DYNA-GRO SAVOY	**41.7**	**46.4**	**86**	**31**	**5.2**	**0**	**0**	**2.3**
LA09056C-P10	41.2	45.3	88	35	1.8	0	0	2.1
LA03200E-2	41.2	47.8	91	33	2.8	0	26	1.4
TERRAL LA754	**41.0**	**48.4**	**90**	**34**	**1.3**	**0**	**10**	**2.0**
AGS 2035	**40.9**	**48.1**	**90**	**35**	**1.8**	**0**	**0**	**2.0**
LA08115C-30	40.7	45.7	89	33	2.8	0	23	1.3
GA-03564-12E6	38.7	46.3	91	33	3.2	0	0	1.3
LA03224E-39	38.2	47.3	90	35	3.0	2	0	1.4
LA09011UB-2	37.6	46.4	92	32	4.5	0	0	1.1
GA-04434-12LE28	37.4	48.0	91	31	3.2	0	0	3.0
USG 3120	**36.4**	**45.9**	**87**	**34**	**2.8**	**0**	**0**	**2.1**
LA08095C-23	35.2	44.4	88	35	2.0	0	0	0.8
JAMESTOWN	**35.1**	**46.9**	**89**	**32**	**4.0**	**0**	**0**	**1.6**
SYNGENTA SY CYPRESS	**34.8**	**45.7**	**88**	**30**	**3.7**	**0**	**6**	**0.0**
AGS 2038	**34.0**	**46.9**	**94**	**35**	**2.5**	**0**	**0**	**2.3**
PIONEER 26R94	**33.8**	**47.1**	**89**	**36**	**2.8**	**0**	**0**	**0.9**
TERRAL LA841	**31.7**	**45.6**	**92**	**34**	**3.2**	**0**	**0**	**0.4**
GO WHEAT 2058	**30.6**	**48.0**	**99**	**28**	**2.2**	**4**	**29**	**0.4**
L-BRAND-343	**30.4**	**47.2**	**94**	**31**	**2.5**	**0**	**0**	**2.3**
USG3225	**29.0**	**45.2**	**94**	**31**	**2.7**	**0**	**0**	**1.3**
AR01040-4-1	28.8	47.6	92	37	3.5	0	0	2.3
PIONEER 26R41	**27.9**	**45.6**	**101**	**31**	**2.3**	**0**	**2**	**0.0**
LANC8170-41-2	27.8	49.3	93	30	1.3	0	0	0.4
DYNA-GRO OGLETHORPE	**27.3**	**43.0**	**92**	**32**	**7.2**	**0**	**0**	**0.0**
GA-07163-12LE9	26.6	44.7	92	33	3.5	0	0	2.4
DYNA-GRO BALDWIN	**26.5**	**46.9**	**96**	**36**	**1.3**	**0**	**0**	**1.1**
GA-04417-12E33	26.2	45.7	93	33	2.7	0	3	0.0
USG3895	**25.2**	**47.4**	**98**	**30**	**3.0**	**0**	**1**	**1.5**
ARMOR ARX1332	25.1	45.3	99	29	3.0	3	29	0.0
PROGENY 125	**24.6**	**45.8**	**91**	**34**	**5.7**	**2**	**0**	**0.9**
HILLIARD	**22.0**	**44.5**	**96**	**33**	**3.2**	**0**	**4**	**0.9**
ARMOR ARX1418	21.9	42.7	97	34	6.3	2	14	0.5
AGS 2027	**21.7**	**43.5**	**93**	**32**	**6.8**	**0**	**0**	**0.0**
SYNGENTA SY VIPER	**21.6**	**44.8**	**95**	**35**	**5.3**	**0**	**10**	**2.4**
VA11W-106	20.6	45.6	99	30	3.2	0	0	0.5
ARGA04510-11LE24	20.1	45.6	96	34	6.7	0	0	3.5
AGRIMAXX 413	19.5	44.2	101	33	0.7	0	14	0.0
DYNA-GRO 9171	**18.5**	**39.2**	**100**	**32**	**2.8**	**0**	**9**	**0.0**
AGRIMAXX 415	**16.2**	**44.4**	**101**	**31**	**4.2**	**0**	**10**	**0.0**
PIONEER XW13T	15.5	46.2	100	29	2.7	1	38	0.4
PROGENY 410	**14.9**	**45.9**	**97**	**35**	**3.8**	**1**	**19**	**0.7**
DIXIE DXEX 15-1	14.6	46.2	101	31	4.3	0	34	0.0
PROGENY 870	**14.4**	**45.0**	**101**	**30**	**2.5**	**0**	**11**	**0.2**
DELTA GROW 2700	**13.3**	**44.9**	**101**	**32**	**4.0**	**2**	**24**	**0.0**

Table 1. Wheat performance trial at South Louisiana for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
DYNA-GRO 9522	**13.0**	**45.9**	**102**	**32**	**4.7**	**0**	**18**	**0.5**
ARMOR ARX1325	12.9	47.4	104	31	2.5	0	48	0.0
AGRIMAXX 447	**12.8**	**47.2**	**103**	**33**	**2.0**	**1**	**0**	**0.0**
PROGENY PGX 13-6	12.5	44.5	102	31	5.0	1	13	0.0
AGRIMAXX 446	**12.3**	**48.2**	**103**	**30**	**3.0**	**1**	**45**	**0.2**
ARMOR ARX1327	12.3	46.1	101	31	3.8	1	8	0.2
AGRIMAXX 444	**11.0**	**47.9**	**101**	**30**	**4.8**	**1**	**31**	**0.0**
USG 3404	**10.7**	**38.5**	**102**	**30**	**4.5**	**1**	**8**	**0.0**
ARMOR ARX1415	**10.2**	**46.9**	**109**	**30**	**1.5**	**0**	**9**	**0.9**
Mean	**27.6**	**46.0**	**95.0**	**33.0**	**3.3**	**0.4**	**9**	**0.9**
CV	**19**	**10**	**1**	**5**	**48**	**308**		
LSD (0.10)	**8.3**	**4.1**	**3.0**	**2.0**	**2.1**	**2.0**		

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

Data from Crowley, and Jeanerette, LA. Baton Rouge was lost to severe storms after maturity.

Correlations: There was a strong relationship between heading date and yield. Later headng lines yielded poorly. Correlation Yield,HeadDay = -0.89**; Corr Yld,Lfrust = -0.42**.

Table 2. Wheat performance trial across South Louisiana for two years, 2014 and 2015.

	Grain Yield	Test Wt	Head Day	Plant Height	Lod Score	Stripe Rust	Leaf Rust	Fusarium HdBlight	Pheno type
	bu/acre	lbs/bu	of yr	in	0-9	%	%	0-9	0-9
USG 3120	**67.3**	**54.3**	**87**	**34**	**1.7**	**0**	**0**	**3.3**	**4.0**
TERRAL LA754	**66.9**	**55.1**	**90**	**34**	**0.8**	**0**	**7**	**3.5**	**3.8**
AGS 2035	**66.3**	**55.4**	**90**	**36**	**1.1**	**0**	**0**	**3.7**	**3.7**
LA03200E-2	65.4	55.3	90	33	1.7	0	18	3.3	2.8
JAMESTOWN	**64.3**	**55.2**	**88**	**31**	**2.4**	**0**	**0**	**1.9**	**4.2**
DYNA-GRO SAVOY	**64.1**	**54.2**	**86**	**31**	**3.2**	**0**	**0**	**3.7**	**4.5**
AGS 2038	**64.0**	**54.6**	**94**	**37**	**1.5**	**0**	**0**	**4.0**	**4.0**
ARMOR ARX1332	63.8	53.7	98	29	1.8	3	21	1.3	4.5
AGS 2060	**62.5**	**54.3**	**88**	**35**	**2.4**	**0**	**18**	**2.1**	**4.2**
PIONEER 26R94	**62.3**	**55.3**	**89**	**36**	**1.7**	**0**	**0**	**3.3**	**4.7**
AGS 2040	**62.0**	**55.8**	**87**	**32**	**1.4**	**0**	**0**	**1.0**	**3.5**
SYNGENTA SY CYPRESS	**61.5**	**54.2**	**88**	**31**	**2.2**	**0**	**5**	**1.2**	**4.8**
PIONEER 26R41	**59.3**	**53.4**	**100**	**31**	**1.4**	**0**	**2**	**1.5**	**3.5**
L-BRAND-343	**57.6**	**55.0**	**93**	**30**	**1.5**	**0**	**0**	**4.5**	**4.3**
TERRAL LA841	**57.1**	**53.4**	**91**	**33**	**1.9**	**0**	**0**	**2.9**	**4.2**
DYNA-GRO BALDWIN	**56.8**	**54.3**	**96**	**36**	**0.8**	**0**	**0**	**3.2**	**4.2**
DYNA-GRO OGLETHORPE	**55.4**	**52.4**	**90**	**32**	**4.5**	**0**	**0**	**1.7**	**4.7**
PROGENY 125	**55.3**	**52.8**	**91**	**33**	**3.4**	**2**	**18**	**1.9**	**5.5**
DYNA-GRO 9171	**53.9**	**50.5**	**99**	**32**	**1.7**	**0**	**16**	**1.2**	**4.7**
ARMOR ARX1325	51.9	53.4	102	32	1.5	0	34	1.5	4.8
AGS 2027	**51.4**	**52.4**	**92**	**31**	**4.1**	**0**	**0**	**2.3**	**4.8**
ARMOR ARX1327	50.5	53.1	99	32	2.3	1	19	1.6	4.3
PROGENY 870	**50.4**	**52.7**	**100**	**31**	**1.5**	**0**	**14**	**1.3**	**4.5**
USG 3404	**46.7**	**50.2**	**100**	**32**	**2.7**	**1**	**9**	**1.3**	**4.3**
MEAN	**59.1**	**53.8**	**93.0**	**33.0**	**2.1**	**0**	**7.0**	**2.4**	**4.3**
CV%	**11**	**7**	**1**	**5**	**66**	**293**	**189**	**48.0**	
LSD (0.10)	**9.9**	**2.0**	**1.8**	**0.6**	**1.6**	**NS**	**NS**	**1.9**	

Data from 2014 and 2015 at the Rice Research Station (Crowley) and Iberia Research Station (Jeanerette), and from 2014 at Central Station (Baton Rouge).

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

Lodging 0 = none and 9 = severe.

Phenotype = visual appearance. 0 = excellent and 9 = ugly.

Table 3. Wheat performance trial across South Louisiana for three years,2013, 2014 and 2015.

	Grain Yield	Test Wt	Head Day	Plant Height	Lod Score	Stripe Rust	Leaf Rust	Fusarium HdBlight	Pheno type
	bu/acre	lbs/bu	of yr	in	0-9	%	%	0-9	0-9
TERRAL LA754	**75.5**	**56.1**	**89**	**35**	**0.7**	**0**	**3**	**3.5**	**3.3**
LA03200E-2	73.7	56.3	89	34	1.5	0	11	3.3	2.8
AGS 2038	**73.4**	**56.0**	**91**	**37**	**1.6**	**0**	**0**	**4.0**	**3.5**
USG 3120	73.2	55.5	85	35	1.6	0	0	3.3	3.8
AGS 2035	**73.2**	**56.4**	**88**	**37**	**0.9**	**0**	**0**	**3.7**	**3.7**
AGS 2040	**70.8**	**56.4**	**85**	**33**	**1.3**	**0**	**0**	**1.0**	**3.6**
PIONEER 26R94	**70.7**	**56.5**	**87**	**36**	**1.5**	**0**	**0**	**3.3**	**3.5**
JAMESTOWN	**70.2**	**56.0**	**87**	**32**	**2.0**	**0**	**0**	**1.9**	**3.3**
AGS 2060	**69.9**	**55.7**	**85**	**37**	**2.2**	**0**	**8**	**2.1**	**3.6**
SYNGENTA SY CYPRESS	**69.4**	**55.3**	**84**	**31**	**2.2**	**0**	**3**	**1.2**	**4.2**
L-BRAND-343	**68.1**	**56.4**	**93**	**32**	**1.4**	**0**	**0**	**4.5**	**4.0**
DYNA-GRO BALDWIN	**67.4**	**56.3**	**95**	**38**	**0.9**	**0**	**0**	**3.2**	**3.9**
PIONEER 26R41	**64.8**	**54.8**	**101**	**32**	**1.2**	**0**	**4**	**1.5**	**5.4**
DYNA-GRO OGLETHORPE	**63.8**	**53.8**	**90**	**33**	**3.8**	**0**	**1**	**1.7**	**4.3**
PROGENY 125	**62.8**	**53.9**	**91**	**34**	**2.9**	**2**	**15**	**1.9**	**5.3**
AGS 2027	**62.7**	**54.2**	**93**	**33**	**3.7**	**0**	**0**	**2.3**	**4.3**
DYNA-GRO 9171	**57.8**	**51.8**	**102**	**32**	**1.4**	**0**	**10**	**1.2**	**6.1**
TERRAL LA841	**57.1**	**53.4**	**91**	**33**	**1.9**	**0**	**0**	**2.9**	**4.2**
PROGENY 870	**55.2**	**53.1**	**102**	**32**	**1.3**	**0**	**9**	**1.3**	**5.7**
MEAN	**67.6**	**55.2**	**91.0**	**34.0**	**1.8**	**0.1**	**3.0**	**2.5**	**4.1**
CV%	**10**	**5**	**1**	**4**	**69**	**480**	**260**	**46**	**10**
LSD (0.10)	**6.4**	**1.3**	**3.0**	**1.0**	**1.4**	**0.2**	**9.0**	**2.1**	**0.9**

Data from 2013, 2014 and 2015 at the Rice Research Station (Crowley) and Iberia Research Station (Jeanerette), and from 2013 and 2014 at Central Station (Baton Rouge).

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

Lodging 0 = none and 9 = severe.

Phenotype = visual appearance. 0 = excellent and 9 = ugly.

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Table 4. Wheat performance trial at Crowley for 2015.

Brand / variety	Grain Yield 2015 bu/a	Grain Yield 2-year bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Height in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Fus HdBlight %
DYNA-GRO SAVOY	**43.8**	**73.0**	**48.4**	**88**	**31**	**4.3**	**0**	**0**	**23**
LA03200E-2	44.2	68.5	49.0	89	33	3.3	0	26	14
TERRAL LA754	**42.8**	**67.8**	**50.3**	**89**	**34**	**1.5**	**0**	**10**	**20**
AGS 2035	**38.7**	**66.7**	**48.1**	**89**	**35**	**1.3**	**0**	**0**	**20**
PIONEER 26R94	**38.9**	**66.3**	**50.5**	**89**	**36**	**3.3**	**0**	**0**	**9**
USG 3120	**36.1**	**66.1**	**47.2**	**88**	**34**	**2.8**	**0**	**0**	**21**
JAMESTOWN	**39.4**	**65.9**	**47.4**	**88**	**32**	**3.5**	**0**	**0**	**16**
AGS 2040	**38.1**	**65.2**	**50.9**	**86**	**32**	**3.0**	**0**	**0**	**0**
AGS 2038	**31.6**	**62.5**	**50.6**	**94**	**34**	**2.3**	**0**	**0**	**23**
AGS 2060	**34.4**	**61.4**	**46.0**	**88**	**37**	**4.5**	**0**	**30**	**14**
ARMOR ARX1332	24.3	60.4	48.0	97	30	3.5	7	29	0
SYNGENTA SY CYPRESS	**28.5**	**60.1**	**47.1**	**88**	**30**	**4.0**	**0**	**6**	**0**
DYNA-GRO OGLETHORPE	**29.7**	**55.3**	**45.4**	**89**	**31**	**6.8**	**0**	**0**	**0**
TERRAL LA841	**32.1**	**53.7**	**48.3**	**89**	**34**	**2.3**	**0**	**0**	**4**
PROGENY 125	**24.6**	**53.5**	**48.3**	**88**	**33**	**5.5**	**2**	**0**	**9**
DYNA-GRO BALDWIN	**26.4**	**52.5**	**48.6**	**95**	**36**	**1.5**	**0**	**0**	**11**
L-BRAND-343	**34.1**	**51.9**	**49.1**	**91**	**30**	**2.3**	**0**	**0**	**23**
PROGENY 870	**20.0**	**50.4**	**49.7**	**99**	**30**	**1.3**	**0**	**11**	**2**
DYNA-GRO 9171	**18.7**	**50.3**	**37.8**	**99**	**33**	**2.8**	**0**	**9**	**0**
PIONEER 26R41	**23.7**	**49.5**	**48.5**	**99**	**31**	**3.0**	**1**	**2**	**0**
AGS 2027	**25.1**	**45.0**	**47.2**	**90**	**31**	**6.8**	**0**	**0**	**0**
ARMOR ARX1325	10.0	41.4	50.3	100	31	2.8	1	48	0
ARMOR ARX1327	12.3	36.2	49.1	100	30	3.3	1	8	2
USG 3404	**9.8**	**33.7**	**35.0**	**100**	**31**	**4.8**	**2**	**8**	**0**
LA09264C-P2	48.7		50.7	84	34	4.8	0	0	0
LA01110D-150-625	46.8		49.0	88	34	2.8	0	0	12
LA09264C-P5	**43.9**		**48.6**	**89**	**30**	**3.8**	**0**	**0**	**18**
LA01110D-150-241	42.5		48.9	90	36	1.5	0	0	25
LA09011UB-2	42.0		45.9	88	33	4.8	0	0	11
GA-03564-12E6	41.5		48.9	88	33	3.3	0	0	13
LA08115C-30	**40.1**		**47.9**	**88**	**33**	**2.3**	**0**	**23**	**13**
LA03224E-39	**36.9**		**48.3**	**88**	**34**	**3.5**	**4**	**0**	**14**
LA09056C-P10	34.7		48.2	89	36	2.3	0	0	21
LA08095C-23	33.5		45.4	88	35	2.0	0	0	8
USG3225	**33.3**		**47.2**	**91**	**31**	**2.0**	**0**	**0**	**13**
AR01040-4-1	31.3		50.7	90	36	3.8	0	0	23
GA-04434-12LE28	30.9		53.2	90	31	1.8	0	0	30
SYNGENTA SY VIPER	**29.8**		**48.0**	**92**	**35**	**5.0**	**0**	**10**	**24**
LANC8170-41-2	29.2		50.7	90	29	1.5	0	0	4
GA-07163-12LE9	28.9		51.4	92	33	2.3	0	0	24
GO WHEAT 2058	**28.2**		**49.6**	**97**	**28**	**1.8**	**8**	**29**	**4**
ARMOR ARX1418	**28.1**		**48.5**	**95**	**34**	**6.3**	**4**	**14**	**5**
HILLIARD	**28.1**		**46.6**	**95**	**33**	**2.8**	**0**	**4**	**9**
USG3895	**26.5**		**50.8**	**95**	**30**	**1.5**	**0**	**1**	**15**
GA-04417-12E33	26.5		49.6	89	33	2.5	0	3	0

Table 4. Wheat performance trial at Crowley for 2015.

Brand / variety	Grain Yield 2015	Grain Yield 2-year	Test Wt	Heading Day	Plant Height	Lodging	Stripe Rust	Leaf Rust	Fus HdBlight
	bu/a		lbs/bu	of yr	in	0-9	%	%	%
VA11W-106	26.1		47.0	98	30	1.3	0	0	5
ARGA04510-11LE24	24.0		49.2	94	34	5.5	0	0	35
AGRIMAXX 413	23.1		46.3	98	33	0.5	0	14	0
AGRIMAXX 415	20.8		48.4	98	31	2.3	0	10	0
PROGENY 410	**18.5**		**48.9**	**95**	**35**	**4.3**	**2**	**19**	**7**
PIONEER XW13T	15.6		49.1	98	29	2.5	2	38	4
AGRIMAXX 447	**15.3**		**51.6**	**101**	**33**	**1.5**	**3**	**0**	**0**
DYNA-GRO 9522	**15.1**		**47.0**	**100**	**32**	**4.0**	**1**	**18**	**5**
DELTA GROW 2700	**14.2**		**46.5**	**100**	**32**	**3.0**	**3**	**24**	**0**
AGRIMAXX 446	**13.0**		**50.9**	**100**	**30**	**3.5**	**1**	**45**	**2**
DIXIE DXEX 15-1	12.5		50.7	100	31	4.0	1	34	0
PROGENY PGX 13-6	**11.5**		**45.3**	**100**	**32**	**5.0**	**1**	**13**	**0**
AGRIMAXX 444	**10.4**		**51.6**	**100**	**30**	**4.8**	**2**	**31**	**0**
ARMOR ARX1415	8.8		50.0	104	30	1.8	1	9	9
Mean	**28.3**	**56.6**	**48.3**	**93**	**32**	**3.1**	**1**	**9**	**9**
CV%	**15**	**10**	**12**	**1**	**6**	**49**	**227**	**176**	**140**
LSD (0.10)	**5.1**	**10.0**	**6.5**	**1**	**2**	**1.8**	**2**	**18**	**15**

Data from Rice Research Station, Crowley, LA . Crowley silt loam. Dustin Harrell, Don Groth, Boyd Padgett, Ron Regan, James P. Leonards, and Jacob Fluitt

Cultural and Site Information: Planted 12-1-14. Harvested 5-18,21,22-15. 0-24-24-2.8 preplant on 10-23-14, 21-0-0-24 on 12-5-14 and 46-0-0 on 1-29-15. Finesse 0.5 oz/acre on 12-3-14. Osprey 4.75 oz/acre + Harmony Extra 0.9 oz/acre on 1-21-15.

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

Table 5. Wheat performance trial at Jeanerette for 2015.

Brand / variety	Grain Yield 2015	Grain Yield 2-year	Test Weight	Heading Day	Plant Height	Lodging	Leaf Rust	Stripe Rust
	bu/a		lbs/bu	of yr	in	0-9	%	%
TERRAL LA754	**39.2**	**58.5**	**46.5**	**92**	**36**	**1.0**	**0**	**0**
AGS 2060	**50.6**	**54.6**	**44.4**	**86**	**37**	**2.0**	**0**	**0**
AGS 2038	**36.4**	**54.2**	**43.2**	**94**	**38**	**3.0**	**0**	**0**
AGS 2035	**43.1**	**53.9**	**48.1**	**92**	**37**	**3.0**	**0**	**0**
SYNGENTA SY CYPRESS	**41.0**	**53.3**	**44.4**	**89**	**31**	**3.0**	**0**	**0**
ARMOR ARX1332	25.9	52.8	42.6	101	29	2.0	0	0
PIONEER 26R41	**32.2**	**52.4**	**42.8**	**104**	**32**	**1.0**	**0**	**0**
LA03200E-2	38.1	50.6	46.6	93	34	2.0	0	0
USG 3120	**36.7**	**49.7**	**44.5**	**87**	**35**	**3.0**	**0**	**0**
JAMESTOWN	**30.7**	**48.7**	**46.4**	**90**	**31**	**5.0**	**0**	**0**
DYNA-GRO BALDWIN	**26.5**	**48.1**	**45.3**	**97**	**37**	**1.0**	**0**	**0**
L-BRAND-343	26.6	46.3	45.3	97	31	3.0	0	0
TERRAL LA841	**31.2**	**46.2**	**42.9**	**95**	**34**	**5.0**	**0**	**0**
AGS 2040	**52.9**	**46.0**	**47.3**	**87**	**32**	**1.0**	**0**	**0**
ARMOR ARX1325	15.7	44.8	44.5	107	31	2.0	2	0
DYNA-GRO SAVOY	**39.6**	**44.2**	**44.3**	**83**	**30**	**7.0**	**0**	**0**
ARMOR ARX1327	12.2	44.2	43.1	102	32	5.0	0	0
USG 3404	**11.6**	**42.3**	**42.0**	**105**	**30**	**4.0**	**2**	**0**
PIONEER 26R94	**28.8**	**42.1**	**43.6**	**90**	**36**	**2.0**	**0**	**0**
DYNA-GRO 9171	**18.2**	**42.1**	**40.5**	**102**	**31**	**3.0**	**0**	**0**
PROGENY 125	**24.6**	**41.1**	**43.3**	**94**	**36**	**6.0**	**0**	**1**
DYNA-GRO OGLETHORPE	**24.8**	**37.3**	**40.6**	**95**	**35**	**8.0**	**0**	**0**
AGS 2027	**18.3**	**35.3**	**39.8**	**96**	**33**	**7.0**	**0**	**0**
PROGENY 870	**8.9**	**34.2**	**40.2**	**104**	**31**	**5.0**	**0**	**0**
LA09264C-P2	53.9		43.7	87	32	3.0	0	0
LA09056C-P10	47.7		42.4	88	34	1.0	0	0
GA-04434-12LE28	43.9		42.7	92	31	6.0	1	0
LA01110D-150-241	42.8		47.4	95	36	1.0	0	0
LA01110D-150-625	42.3		49.4	94	38	2.0	0	0
LA08115C-30	41.4		43.5	91	34	4.0	0	0
LA09264C-P5	39.9		45.8	94	33	3.0	0	0
LA03224E-39	39.5		46.3	91	37	2.0	0	0
LA08095C-23	37.0		43.5	88	34	2.0	0	0
GA-03564-12E6	36.0		43.7	95	32	3.0	0	0
LA09011UB-2	33.1		47.0	97	31	4.0	0	0
GO WHEAT 2058	**33.0**		**46.4**	**102**	**29**	**3.0**	**0**	**1**
LANC8170-41-2	26.5		47.8	96	32	1.0	0	0
AR01040-4-1	26.4		44.4	93	39	3.0	0	0
GA-04417-12E33	25.8		41.9	96	35	3.0	0	0
USG3225	**24.7**		**43.1**	**97**	**31**	**4.0**	**0**	**0**
GA-07163-12LE9	24.3		38.0	92	33	6.0	0	0
USG3895	**24.0**		**44.0**	**101**	**30**	**6.0**	**0**	**0**
DIXIE DXEX 15-1	16.6		41.7	103	33	5.0	0	0
ARGA04510-11LE24	16.2		42.0	98	33	9.0	0	0
HILLIARD	**16.0**		**42.5**	**98**	**33**	**4.0**	**0**	**0**

Table 5. Wheat performance trial at Jeanerette for 2015.

Brand / variety	Grain Yield 2015 bu/a	Grain Yield 2-year bu/a	Test Weight lbs/bu	Heading Day of yr	Plant Height in	Lodging 0-9	Leaf Rust %	Stripe Rust %
AGRIMAXX 413	**15.9**		**42.1**	**103**	**32**	**1.0**	**0**	**0**
ARMOR ARX1418	15.6		36.9	98	34	6.5	0	0
PIONEER XW13T	15.3		43.4	103	28	3.0	0	0
VA11W-106	15.1		44.1	101	31	7.0	0	0
PROGENY PGX 13-6	13.4		43.7	104	30	5.0	0	1
SYNGENTA SY VIPER	**13.3**		**40.6**	**98**	**34**	**6.0**	**0**	**0**
DELTA GROW 2700	**12.3**		**43.4**	**103**	**31**	**6.0**	**3**	**0**
ARMOR ARX1415	11.7		43.8	113	30	1.0	0	0
AGRIMAXX 446	**11.6**		**45.5**	**107**	**29**	**2.0**	**0**	**0**
AGRIMAXX 415	**11.6**		**39.2**	**103**	**32**	**8.0**	**0**	**0**
AGRIMAXX 444	**11.5**		**44.2**	**103**	**31**	**5.0**	**3**	**0**
PROGENY 410	**11.2**		**43.0**	**100**	**36**	**3.0**	**1**	**1**
DYNA-GRO 9522	**10.9**		**44.8**	**104**	**31**	**6.0**	**3**	**0**
AGRIMAXX 447	**10.2**		**42.8**	**106**	**33**	**3.0**	**0**	**0**
Mean	**26.7**	**46.8**	**43.7**	**97**	**33**	**4**	**0**	**0**
CV%	**22**	**16**	**6**	**1**	**5**	**51**	**440**	
LSD (0.10)	**6.9**	**NS**	**3.1**	**2**	**3**	**3.2**	**1**	

Data from Iberia Research Station, Jeanerette, LA. GregWilliams and Boyd Padgett.

Site Information: Palnted 11/19/14. Finesse and Glyphosate herbicdes on 11/25 - pre-emerge on11/25. 0-40-80 fertilizer on 12/2/14. 25#N acre of 29-0-5 starter fertilizer on 12/12/14. Axial herbicde for ryegrass on 1/29/15. 100-0-0 as urea on 1/30/14.

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

Table 6. Wheat performance trial across North Louisiana for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fusarium Hblight 0-9	Pheno type 0-9
ARMOR OCTANE	**61.6**	**55.1**	**102**	**41**	**0.9**	**0**	**1**	**1.9**	**3.3**
USG 3833	**60.6**	**55.4**	**101**	**40**	**1.7**	**0**	**1**	**1.8**	**3.5**
USG 3895	**60.5**	**55.0**	**97**	**33**	**1.7**	**0**	**2**	**2.7**	**3.5**
AGRIMAXX 447	**60.1**	**55.6**	**102**	**39**	**1.3**	**0**	**0**	**1.3**	**3.5**
PIONEER 26R87	**59.0**	**56.8**	**93**	**38**	**1.2**	**0**	**2**	**3.3**	**3.3**
PIONEER 26R41	**58.0**	**55.2**	**99**	**35**	**2.2**	**0**	**1**	**2.3**	**3.3**
GO WHEAT 2056	**58.0**	**52.8**	**98**	**37**	**1.6**	**0**	**2**	**2.7**	**3.8**
GA-03564-12E6	57.5	53.1	91	36	1.8	0	0	5.3	4.0
DIXIE MCALISTER	**55.8**	**53.0**	**97**	**35**	**1.4**	**0**	**5**	**2.6**	**3.3**
PIONEER 26R53	**55.6**	**57.2**	**98**	**34**	**2.3**	**0**	**3**	**1.9**	**3.8**
DYNA-GRO 9171	**55.4**	**52.9**	**97**	**36**	**1.2**	**0**	**4**	**3.3**	**4.0**
AGRIMAXX 413	**55.0**	**57.0**	**97**	**36**	**1.3**	**0**	**7**	**3.1**	**3.5**
AGRIMAXX 446	**54.8**	**55.1**	**100**	**38**	**1.7**	**1**	**10**	**1.8**	**4.0**
PROGENY 870	**53.8**	**52.8**	**98**	**36**	**1.4**	**0**	**7**	**2.8**	**4.0**
ARMOR ARX1325	53.7	54.2	101	39	1.2	1	7	1.8	3.8
ARMOR ARX1327	53.6	53.8	99	38	2.2	0	6	2.1	3.5
ARMOR ARX1415	53.6	53.2	102	38	1.1	5	2	1.8	4.0
USG 3404	**53.4**	**52.3**	**100**	**38**	**2.7**	**0**	**8**	**2.0**	**4.3**
LA09011UB-2	53.3	55.5	91	37	1.9	0	1	4.3	4.5
LA03200E-2	53.0	52.9	91	38	1.4	4	5	5.0	4.3
USG 3201	**52.3**	**55.5**	**97**	**37**	**2.8**	**0**	**5**	**2.5**	**4.8**
GO WHEAT 2057	**51.7**	**57.3**	**103**	**36**	**1.8**	**2**	**1**	**1.9**	**5.3**
ARMOR ARX1332	51.3	56.0	98	32	2.6	10	1	2.2	4.8
SYNGENTA SY VIPER	**51.3**	**53.5**	**95**	**42**	**2.4**	**0**	**11**	**3.8**	**4.0**
USG3225	**51.1**	**51.8**	**94**	**38**	**1.0**	**0**	**1**	**5.8**	**4.8**
LANC8170-41-2	51.1	52.2	94	36	0.1	0	1	3.1	4.0
DIXIE KELSEY	**49.9**	**55.7**	**96**	**40**	**3.2**	**0**	**5**	**2.3**	**4.8**
HILLIARD	**49.9**	**54.5**	**96**	**38**	**1.8**	**0**	**1**	**3.0**	**4.0**
ARMOR VANDAL	**49.5**	**54.0**	**98**	**37**	**1.3**	**3**	**1**	**3.1**	**3.3**
DIXIE DXEX 15-1	49.4	53.0	100	36	2.0	0	5	1.7	4.3
GO WHEAT 2058	**49.0**	**51.7**	**97**	**33**	**2.2**	**14**	**1**	**1.8**	**4.0**
AGRIMAXX 444	**49.0**	**54.1**	**100**	**38**	**2.7**	**0**	**5**	**2.0**	**4.0**
PROGENY PGX 13-6	48.8	53.4	101	38	2.7	0	11	2.0	4.5
DYNA-GRO 9522	**48.8**	**54.1**	**100**	**38**	**1.0**	**0**	**6**	**1.8**	**4.0**
VA11W-106	48.7	55.7	97	36	2.3	1	1	3.3	3.3
LA09056C-P10	48.6	52.2	92	40	1.3	0	1	5.3	5.0
AGS 2060	**48.4**	**54.1**	**92**	**41**	**2.9**	**1**	**2**	**3.8**	**4.8**
L-BRAND-343	**48.1**	**51.6**	**94**	**35**	**1.0**	**0**	**0**	**6.3**	**4.5**
DELTA GROW 2700	**47.9**	**53.7**	**100**	**37**	**2.4**	**0**	**7**	**2.3**	**4.0**
AGRIMAXX 415	**47.6**	**56.3**	**97**	**37**	**3.4**	**1**	**6**	**2.3**	**4.3**
GA-07163-12LE9	47.1	49.5	94	38	1.8	0	0	4.8	4.3
PIONEER 26R94	**46.7**	**52.8**	**91**	**41**	**0.6**	**0**	**1**	**5.5**	**4.5**
PIONEER XW13T	46.7	54.6	98	34	1.5	0	5	2.4	4.0
LA03224E-39	46.6	52.9	91	44	0.8	0	0	5.2	5.0
LA09264C-P2	46.4	56.1	88	40	1.3	0	3	4.1	5.3
TERRAL TV8861	**46.1**	**54.1**	**100**	**36**	**3.7**	**0**	**14**	**2.5**	**4.3**
SYNGENTA HARRISON	**45.2**	**51.0**	**99**	**37**	**3.6**	**1**	**14**	**2.5**	**4.3**
AR01040-4-1	45.0	52.0	93	43	1.9	1	1	3.9	4.0
LA08095C-23	44.3	52.2	91	41	2.1	0	8	4.7	4.8
DELTA GROW 7500	**44.3**	**54.1**	**97**	**39**	**2.3**	**7**	**1**	**2.6**	**5.3**

Table 6. Wheat performance trial across North Louisiana for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fusarium Hblight 0-9	Pheno type 0-9
JAMESTOWN	**44.0**	**56.2**	**90**	**37**	**0.8**	**3**	**0**	**3.5**	**4.0**
LA01110D-150-241	43.9	49.8	93	41	2.3	1	1	6.0	4.3
AGS 2038	**43.8**	**52.4**	**95**	**42**	**2.1**	**2**	**1**	**4.9**	**3.5**
LA09264C-P5	43.2	53.5	92	37	3.1	0	2	4.2	4.5
DYNA-GRO BALDWIN	**42.2**	**56.2**	**97**	**42**	**0.8**	**19**	**1**	**3.3**	**5.0**
ARMOR HAVOC	**41.7**	**53.3**	**97**	**38**	**4.6**	**0**	**11**	**2.2**	**4.3**
DIXIE DXEX13-3	41.0	54.5	102	39	1.0	0	7	1.9	4.0
PIONEER 26R10	**40.3**	**53.5**	**100**	**36**	**3.1**	**0**	**14**	**2.2**	**3.8**
LA08115C-30	40.1	50.7	89	37	1.1	0	2	5.5	5.3
TERRAL TV8848	**39.8**	**52.8**	**101**	**39**	**5.0**	**0**	**17**	**2.3**	**4.8**
ARGA04510-11LE24	39.4	48.0	97	38	1.8	0	0	6.2	2.5
LA01110D-150-625	39.4	52.8	92	42	3.2	0	0	4.6	4.3
SYNGENTA SY CYPRESS	**38.7**	**52.4**	**90**	**36**	**2.6**	**22**	**4**	**4.4**	**5.8**
USG 3120	**38.5**	**51.4**	**90**	**38**	**1.8**	**22**	**0**	**4.6**	**5.3**
GA-04434-12LE28	38.5	48.5	93	36	1.6	6	1	5.7	5.0
DYNA-GRO SAVOY	**38.2**	**51.8**	**89**	**37**	**1.6**	**0**	**0**	**4.8**	**5.3**
DIXIE EXTREME	**38.1**	**50.7**	**99**	**41**	**5.0**	**0**	**16**	**2.4**	**4.8**
AGS 2035	**38.1**	**53.0**	**91**	**40**	**1.8**	**23**	**1**	**5.3**	**5.3**
ARMOR ARX1418	37.9	53.1	97	37	3.2	26	0	2.0	4.8
TERRAL LA841	**36.6**	**49.6**	**92**	**42**	**2.9**	**1**	**0**	**6.2**	**5.5**
DELTA GROW 9700	**36.0**	**51.6**	**99**	**38**	**6.0**	**0**	**20**	**1.8**	**4.8**
GA-04417-12E33	35.5	51.4	92	40	1.9	0	2	5.7	4.3
DYNA-GRO OGLETHORPE	**34.6**	**50.6**	**92**	**36**	**1.8**	**0**	**3**	**5.1**	**4.5**
AGS 2027	**34.2**	**47.8**	**93**	**36**	**3.6**	**0**	**0**	**5.7**	**4.0**
TERRAL LA754	**33.2**	**54.5**	**91**	**40**	**3.2**	**13**	**0**	**5.4**	**5.3**
AGS 2040	**32.5**	**55.5**	**89**	**37**	**1.2**	**2**	**0**	**4.3**	**5.3**
PROGENY 410	**30.3**	**50.7**	**97**	**41**	**2.6**	**40**	**3**	**2.7**	**6.3**
PROGENY 125	**25.6**	**46.0**	**94**	**38**	**5.8**	**57**	**0**	**2.7**	**6.3**
Mean	**46.7**	**53.2**	**96**	**38**	**2.2**	**4**	**4**	**3.4**	**4.3**
CV	**18**	**6**	**1**	**6**	**66**	**143**	**114**	**27**	**12**
LSD	**2.0**	**3.0**	**3.0**	**2.0**	**1.7**	**9**	**9**	**1.5**	

Data from Alexandria, Bossier City, St. Joseph, and Winnsboro, LA.

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

NS indicates non-significant differences among varieties.

Table 7. Wheat performance trial across three North Louisiana locations for 2015 (no Alexandria).

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fus Hblight 0-9	Pheno type 0-9
ARMOR OCTANE	**70.5**	**55.1**	**103**	**41**	**0.7**	**0**	**1**	**1.6**	**3.3**
USG 3833	**69.6**	**55.4**	**103**	**39**	**1.9**	**1**	**1**	**1.8**	**3.5**
AGRIMAXX 447	**69.5**	**55.6**	**103**	**38**	**1.3**	**1**	**0**	**1.5**	**3.5**
USG3895	**69.0**	**55.0**	**100**	**30**	**1.7**	**0**	**3**	**2.5**	**3.5**
PIONEER 26R41	**67.4**	**55.2**	**101**	**32**	**1.6**	**0**	**2**	**2.5**	**3.3**
GO WHEAT 2056	**64.7**	**52.8**	**100**	**35**	**1.4**	**0**	**3**	**3.0**	**3.8**
ARMOR ARX1415	63.5	53.2	104	38	0.9	8	3	2.0	4.0
DIXIE MCALISTER	**63.0**	**53.0**	**100**	**33**	**1.2**	**0**	**8**	**2.9**	**3.3**
USG 3404	**62.9**	**52.3**	**102**	**37**	**2.7**	**0**	**13**	**2.1**	**4.3**
PIONEER 26R53	**62.7**	**57.2**	**101**	**32**	**2.1**	**0**	**5**	**1.8**	**3.8**
AGRIMAXX 446	**62.5**	**55.1**	**103**	**38**	**1.7**	**1**	**17**	**2.1**	**4.0**
SYNGENTA SY VIPER	**62.4**	**53.5**	**98**	**40**	**2.1**	**0**	**15**	**3.5**	**4.0**
PIONEER 26R87	**62.3**	**56.8**	**97**	**36**	**1.0**	**0**	**3**	**3.4**	**3.3**
PROGENY 870	**61.6**	**52.8**	**100**	**34**	**1.3**	**0**	**12**	**3.1**	**4.0**
DYNA-GRO 9171	**61.4**	**52.9**	**100**	**34**	**1.0**	**0**	**6**	**3.4**	**4.0**
DIXIE KELSEY	**61.3**	**55.7**	**100**	**39**	**2.0**	**1**	**9**	**2.4**	**4.8**
GO WHEAT 2057	**60.8**	**57.3**	**104**	**34**	**1.7**	**3**	**1**	**2.3**	**5.3**
LA09011UB-2	60.5	55.5	94	35	1.9	0	1	5.1	4.5
DELTA GROW 2700	**60.1**	**53.7**	**103**	**35**	**2.0**	**0**	**9**	**2.5**	**4.0**
VA11W-106	60.1	55.7	100	35	2.0	2	1	3.3	3.3
ARMOR ARX1327	59.8	53.8	101	38	2.3	0	8	2.6	3.5
ARMOR ARX1332	59.6	56.0	100	30	2.6	17	2	2.0	4.8
ARMOR ARX1325	59.3	54.2	103	39	1.3	2	12	2.0	3.8
AGRIMAXX 413	**59.2**	**57.0**	**99**	**35**	**1.4**	**0**	**11**	**3.4**	**3.5**
USG 3201	**59.2**	**55.5**	**100**	**36**	**2.7**	**0**	**8**	**2.4**	**4.8**
AGRIMAXX 444	**59.1**	**54.1**	**103**	**36**	**2.4**	**0**	**8**	**2.3**	**4.0**
DIXIE DXEX 15-1	59.0	53.0	103	34	1.7	0	9	2.0	4.3
DYNA-GRO 9522	**58.8**	**54.1**	**103**	**37**	**0.7**	**0**	**10**	**1.9**	**4.0**
PIONEER XW13T	58.2	54.6	101	32	1.3	0	8	2.1	4.0
HILLIARD	**58.1**	**54.5**	**99**	**37**	**1.1**	**0**	**1**	**3.1**	**4.0**
GA-03564-12E6	57.1	53.1	94	34	1.8	0	0	6.3	4.0
AGRIMAXX 415	**57.0**	**56.3**	**100**	**36**	**3.6**	**1**	**10**	**2.3**	**4.3**
ARMOR VANDAL	**56.8**	**54.0**	**101**	**36**	**1.0**	**5**	**2**	**3.1**	**3.3**
PROGENY PGX 13-6	56.4	53.4	103	38	3.0	0	18	2.5	4.5
TERRAL TV8861	**56.3**	**54.1**	**103**	**35**	**3.7**	**0**	**20**	**2.9**	**4.3**
GO WHEAT 2058	**56.1**	**51.7**	**100**	**32**	**2.1**	**23**	**1**	**1.8**	**4.0**
LA03200E-2	**54.6**	**52.9**	**95**	**37**	**0.9**	**6**	**8**	**6.1**	**4.3**
USG3225	**54.4**	**51.8**	**97**	**36**	**1.1**	**1**	**1**	**6.3**	**4.8**
LANC8170-41-2	53.3	52.2	98	34	0.0	0	1	3.4	4.0
DELTA GROW 7500	**53.0**	**54.1**	**100**	**37**	**1.7**	**9**	**1**	**1.9**	**5.3**
LA09264C-P5	53.0	53.5	95	35	2.3	0	4	5.3	4.5
LA09056C-P10	52.8	52.2	96	39	1.4	0	1	6.1	5.0
SYNGENTA HARRISON	**52.7**	**51.0**	**102**	**36**	**3.7**	**1**	**23**	**3.0**	**4.3**
AR01040-4-1	51.7	52.0	98	44	1.1	1	1	4.5	4.0
GA-07163-12LE9	50.6	49.5	99	35	1.4	1	0	5.3	4.3
JAMESTOWN	**50.4**	**56.2**	**94**	**37**	**0.4**	**4**	**0**	**4.3**	**4.0**
DYNA-GRO BALDWIN	**50.3**	**56.2**	**101**	**40**	**0.3**	**22**	**1**	**3.6**	**5.0**
ARMOR HAVOC	**50.3**	**53.3**	**100**	**36**	**3.3**	**0**	**19**	**2.1**	**4.3**
L-BRAND-343	**50.2**	**51.6**	**97**	**35**	**1.2**	**0**	**0**	**6.5**	**4.5**
DIXIE EXTREME	**49.9**	**50.7**	**102**	**40**	**4.1**	**0**	**17**	**2.4**	**4.8**

Table 7. Wheat performance trial across three North Louisiana locations for 2015 (no Alexandria).

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fus Hblight 0-9	Pheno type 0-9
AGS 2060	**49.8**	**54.1**	**96**	**41**	**3.1**	**2**	**4**	**4.5**	**4.8**
LA09264C-P2	49.2	56.1	92	39	1.1	0	5	6.0	5.3
LA01110D-150-625	49.2	52.8	95	42	1.7	0	0	6.0	4.3
DIXIE DXEX13-3	49.1	54.5	104	38	1.0	0	12	2.3	4.0
TERRAL TV8848	**48.8**	**52.8**	**103**	**38**	**4.7**	**0**	**22**	**2.8**	**4.8**
PIONEER 26R10	**48.7**	**53.5**	**103**	**34**	**3.1**	**0**	**18**	**2.5**	**3.8**
ARMOR ARX1418	48.6	53.1	99	36	2.6	34	0	1.8	4.8
AGS 2038	**48.5**	**52.4**	**100**	**41**	**0.6**	**4**	**1**	**5.3**	**3.5**
DELTA GROW 9700	**48.0**	**51.6**	**102**	**36**	**5.1**	**0**	**26**	**1.8**	**4.8**
LA03224E-39	**47.9**	**52.9**	**94**	**43**	**0.4**	**0**	**0**	**5.6**	**5.0**
LA08095C-23	47.8	52.2	96	40	1.4	0	13	5.5	4.8
LA01110D-150-241	47.2	49.8	97	39	1.7	1	1	6.3	4.3
DYNA-GRO SAVOY	**46.4**	**51.8**	**93**	**36**	**0.4**	**0**	**0**	**6.3**	**5.3**
GA-04434-12LE28	45.8	48.5	97	35	0.8	0	1	6.6	5.0
ARGA04510-11LE24	45.8	48.0	99	36	1.1	0	0	6.5	2.5
AGS 2035	**45.4**	**53.0**	**95**	**39**	**0.7**	**35**	**1**	**6.0**	**5.3**
SYNGENTA SY CYPRESS	**45.2**	**52.4**	**94**	**35**	**2.1**	**32**	**8**	**5.5**	**5.8**
TERRAL LA841	**44.7**	**49.6**	**95**	**42**	**1.6**	**2**	**0**	**7.0**	**5.5**
PIONEER 26R94	**44.6**	**52.8**	**95**	**39**	**0.6**	**0**	**0**	**6.8**	**4.5**
AGS 2027	**44.0**	**47.8**	**96**	**34**	**2.7**	**1**	**0**	**6.1**	**4.0**
LA08115C-30	**43.5**	**50.7**	**94**	**35**	**0.3**	**0**	**3**	**7.4**	**5.3**
AGS 2040	**41.8**	**55.5**	**94**	**35**	**1.0**	**3**	**0**	**6.3**	**5.3**
DYNA-GRO OGLETHORPE	**41.7**	**50.6**	**96**	**33**	**1.3**	**0**	**4**	**6.6**	**4.5**
TERRAL LA754	**41.4**	**54.5**	**95**	**39**	**1.6**	**17**	**0**	**6.1**	**5.3**
GA-04417-12E33	41.0	51.4	96	38	1.0	0	3	7.4	4.3
USG 3120	**40.7**	**51.4**	**93**	**36**	**1.7**	**35**	**0**	**6.5**	**5.3**
PROGENY 410	**39.2**	**50.7**	**100**	**38**	**1.7**	**50**	**4**	**2.4**	**6.3**
PROGENY 125	**34.3**	**46.0**	**98**	**37**	**4.9**	**63**	**1**	**3.4**	**6.3**
Mean	**53.9**	**53.2**	**99**	**37**	**1.8**	**5**	**6**	**3.9**	**4.3**
CV	**12**	**6**	**1**		**77**	**106**	**90**	**21**	
LSD	**8.4**	**3.0**	**2.0**		**1.7**	**11**	**16**	**1.1**	

Data from Bossier City, St. Joseph, and Winnsboro, LA. Alexandria omitted due to low yields.

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

NS indicates non-significant differences among varieties.

Table 8. Wheat performance trial across North Louisiana for two years,2014 and 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fusarium Hblight 0-9	Pheno type 0-9
PIONEER 26R41	**78.6**	**55.9**	**105**	**34**	**1.2**	**0**	**1**	**1.8**	**4.0**
DYNA-GRO 9171	**76.5**	**54.1**	**104**	**34**	**0.8**	**0**	**6**	**2.4**	**4.0**
USG 3833	**75.8**	**54.9**	**108**	**37**	**1.3**	**1**	**0**	**1.2**	**3.9**
ARMOR OCTANE	**75.3**	**54.8**	**107**	**38**	**0.7**	**0**	**1**	**1.2**	**4.2**
USG 3404	**74.7**	**54.3**	**106**	**37**	**1.8**	**0**	**9**	**1.4**	**3.7**
ARMOR ARX1325	74.6	55.6	107	36	1.0	2	8	1.3	4.0
GO WHEAT 2056	**74.2**	**54.0**	**104**	**34**	**1.3**	**0**	**3**	**2.0**	**4.2**
GO WHEAT 2057	**74.0**	**57.3**	**101**	**36**	**1.2**	**3**	**1**	**1.5**	**5.3**
PIONEER 26R53	**73.8**	**57.4**	**105**	**33**	**1.5**	**0**	**4**	**1.2**	**3.8**
USG 3201	**73.8**	**56.7**	**104**	**35**	**1.8**	**0**	**4**	**1.6**	**4.8**
DIXIE MCALISTER	**72.8**	**53.8**	**104**	**34**	**0.9**	**0**	**9**	**1.9**	**4.4**
TERRAL TV8861	**72.6**	**55.6**	**107**	**35**	**2.6**	**0**	**15**	**1.9**	**4.3**
PROGENY 870	**72.5**	**53.8**	**104**	**34**	**1.1**	**0**	**8**	**2.1**	**4.0**
PIONEER 26R87	**72.3**	**58.1**	**99**	**35**	**0.8**	**0**	**2**	**2.6**	**3.8**
ARMOR VANDAL	**71.6**	**55.1**	**104**	**35**	**1.0**	**5**	**1**	**2.2**	**3.6**
ARMOR ARX1327	71.2	54.7	106	37	1.6	0	8	1.8	3.9
ARMOR ARX1332	70.8	56.4	104	31	2.0	17	1	1.3	4.8
SYNGENTA HARRISON	**70.2**	**52.7**	**105**	**36**	**2.3**	**1**	**15**	**8.6**	**4.1**
DELTA GROW 7500	**69.8**	**54.7**	**104**	**35**	**1.4**	**9**	**2**	**1.3**	**4.7**
ARMOR HAVOC	**69.2**	**54.8**	**104**	**35**	**2.2**	**0**	**18**	**1.5**	**4.1**
PIONEER 26R10	**68.9**	**54.7**	**106**	**35**	**2.3**	**0**	**15**	**1.7**	**3.9**
DYNA-GRO BALDWIN	**68.0**	**57.3**	**105**	**41**	**0.5**	**22**	**1**	**2.4**	**4.7**
DIXIE KELSEY	**68.0**	**56.2**	**100**	**37**	**1.4**	**1**	**14**	**2.2**	**5.1**
AGS 2038	**67.9**	**54.9**	**105**	**40**	**0.8**	**4**	**1**	**3.6**	**4.1**
TERRAL TV8848	**67.5**	**54.5**	**106**	**37**	**3.2**	**0**	**18**	**1.8**	**4.3**
DIXIE DXEX13-3	67.4	55.7	107	38	0.8	0	8	1.5	4.4
DIXIE EXTREME	**66.7**	**52.6**	**107**	**39**	**2.8**	**0**	**14**	**1.6**	**4.2**
JAMESTOWN	**66.6**	**57.2**	**98**	**34**	**0.5**	**4**	**0**	**3.2**	**3.9**
LA03200E-2	66.5	55.4	99	35	0.8	6	5	4.4	3.5
DYNA-GRO SAVOY	**65.8**	**54.6**	**98**	**34**	**1.1**	**0**	**0**	**5.0**	**4.5**
TERRAL LA754	**64.7**	**55.5**	**99**	**37**	**1.2**	**17**	**1**	**4.6**	**3.8**
DELTA GROW 9700	**64.2**	**52.8**	**106**	**38**	**3.3**	**0**	**16**	**1.2**	**4.3**
SYNGENTA SY CYPRESS	**63.9**	**54.9**	**98**	**35**	**1.5**	**32**	**4**	**3.8**	**4.6**
PIONEER 26R94	**63.6**	**55.4**	**99**	**38**	**0.6**	**0**	**0**	**4.6**	**4.4**
USG 3120	**63.6**	**54.7**	**98**	**37**	**1.2**	**35**	**0**	**5.3**	**4.3**
L-BRAND-343	**63.3**	**54.8**	**101**	**35**	**1.5**	**0**	**0**	**5.1**	**4.5**
AGS 2035	**62.9**	**55.4**	**99**	**38**	**0.8**	**35**	**1**	**4.2**	**4.8**
AGS 2060	**62.4**	**56.3**	**101**	**40**	**2.1**	**2**	**2**	**3.3**	**4.6**
TERRAL LA841	**61.4**	**52.4**	**99**	**37**	**1.2**	**2**	**0**	**5.2**	**4.9**
DYNA-GRO OGLETHORPE	**61.4**	**53.2**	**98**	**33**	**1.3**	**0**	**2**	**5.4**	**4.3**
AGS 2027	**60.8**	**51.4**	**100**	**34**	**3.4**	**1**	**0**	**4.9**	**4.3**
AGS 2040	**57.6**	**56.5**	**97**	**34**	**0.8**	**3**	**0**	**4.4**	**4.1**
PROGENY 125	**57.6**	**50.2**	**99**	**35**	**3.0**	**63**	**11**	**2.6**	**5.0**
Mean	**68.6**	**54.9**	**103**	**36**	**1.5**	**6**	**5**	**2.8**	**4.6**
CV	**11**	**4**	**4**	**6**	**84**	**89**	**113**	**134**	**15**
LSD	**5.8**	**1.7**	**2.4**	**1.7**	**1.2**	**NS**	**11**	**2.2**	**NS**

Data from Bossier City, St. Joseph, and Winnsboro, LA. Alexandria omitted due to low yields.

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

NS indicates non-significant differences among varieties.

Table 9. Wheat performance trial across North Louisiana for three years, 2013, 2014 and 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Heading Day of yr	Plant Ht in	Lodging Score 0-9	Stripe Rust %	Leaf Rust %	Fusarium Hblight 0-9	Pheno type 0-9
PIONEER 26R41	**81.1**	**56.1**	**106**	**35**	**1.3**	**0**	**1**	**1.8**	**4.1**
ARMOR OCTANE	**80.2**	**55.2**	**109**	**39**	**0.5**	**0**	**0**	**1.2**	**4.5**
USG 3833	**79.2**	**55.3**	**110**	**39**	**0.9**	**1**	**0**	**1.2**	**4.4**
DYNA-GRO 9171	**78.8**	**54.6**	**105**	**35**	**0.6**	**0**	**4**	**2.4**	**4.4**
USG 3201	**78.3**	**57.2**	**105**	**36**	**1.4**	**0**	**3**	**1.6**	**4.9**
PIONEER 26R53	**78.2**	**57.5**	**105**	**33**	**1.2**	**0**	**3**	**1.2**	**4.1**
ARMOR VANDAL	**77.7**	**55.6**	**104**	**36**	**0.7**	**4**	**2**	**2.2**	**4.0**
GO WHEAT 2056	**77.7**	**54.4**	**105**	**36**	**0.9**	**0**	**2**	**2.0**	**4.6**
DIXIE MCALISTER	**75.7**	**54.1**	**105**	**35**	**0.6**	**0**	**6**	**1.9**	**4.7**
PROGENY 870	**74.8**	**54.3**	**105**	**35**	**0.7**	**0**	**6**	**2.1**	**4.7**
TERRAL TV8861	**74.7**	**55.4**	**107**	**36**	**2.3**	**0**	**11**	**1.9**	**4.3**
SYNGENTA HARRISON	**73.1**	**52.9**	**105**	**36**	**1.7**	**1**	**11**	**8.6**	**4.4**
DIXIE KELSEY	**73.1**	**56.6**	**102**	**37**	**0.9**	**0**	**10**	**2.2**	**5.1**
DELTA GROW 7500	**72.8**	**55.1**	**105**	**36**	**1.4**	**4**	**1**	**1.3**	**4.7**
ARMOR HAVOC	**72.0**	**54.9**	**105**	**36**	**1.8**	**0**	**13**	**1.5**	**4.4**
PIONEER 26R10	**71.7**	**54.4**	**106**	**36**	**2.2**	**1**	**10**	**1.7**	**4.3**
DIXIE DXEX13-3	71.5	55.9	108	39	0.6	0	5	1.5	4.8
TERRAL TV8848	**71.3**	**54.6**	**107**	**38**	**2.6**	**0**	**12**	**1.8**	**4.6**
PIONEER 26R87	**71.3**	**58.8**	**98**	**36**	**0.7**	**5**	**2**	**2.6**	**4.1**
AGS 2038	**70.9**	**56.0**	**103**	**41**	**0.6**	**2**	**0**	**3.6**	**4.1**
DIXIE EXTREME	**70.1**	**52.8**	**106**	**40**	**2.3**	**0**	**11**	**1.6**	**4.4**
DYNA-GRO BALDWIN	**68.8**	**57.5**	**104**	**41**	**0.4**	**19**	**1**	**2.4**	**4.7**
JAMESTOWN	**68.4**	**58.0**	**95**	**34**	**0.4**	**2**	**1**	**3.2**	**3.8**
PIONEER 26R94	**68.0**	**56.9**	**97**	**38**	**0.4**	**1**	**0**	**4.6**	**4.2**
L-BRAND-343	**67.9**	**56.2**	**99**	**35**	**1.0**	**4**	**0**	**5.1**	**4.3**
AGS 2060	**67.6**	**57.3**	**97**	**39**	**1.4**	**3**	**1**	**3.3**	**4.5**
DELTA GROW 9700	**67.5**	**53.0**	**106**	**39**	**2.7**	**0**	**11**	**1.2**	**4.3**
LA03200E-2	67.4	56.6	97	34	0.5	4	3	4.4	3.6
SYNGENTA SY CYPRESS	**66.6**	**55.6**	**95**	**34**	**1.1**	**19**	**3**	**3.8**	**5.1**
TERRAL LA754	**66.4**	**56.2**	**97**	**37**	**0.9**	**13**	**1**	**4.6**	**4.4**
AGS 2027	**64.1**	**53.5**	**99**	**35**	**2.9**	**3**	**0**	**4.9**	**4.3**
USG 3120	**64.1**	**55.9**	**94**	**38**	**1.0**	**22**	**0**	**5.3**	**4.5**
AGS 2035	**63.9**	**56.6**	**96**	**39**	**0.5**	**23**	**1**	**4.2**	**5.0**
TERRAL LA841	**63.3**	**53.9**	**97**	**37**	**1.0**	**2**	**0**	**5.2**	**4.6**
DYNA-GRO OGLETHORPE	**63.2**	**54.7**	**97**	**34**	**1.2**	**2**	**1**	**5.4**	**4.0**
PROGENY 125	**61.6**	**52.4**	**98**	**35**	**2.1**	**30**	**8**	**2.6**	**4.6**
AGS 2040	**60.7**	**57.2**	**94**	**35**	**0.6**	**6**	**0**	**4.4**	**4.1**
Mean	**71.0**	**55.5**	**102**	**37**	**1.2**	**5**	**4**	**3.0**	**4.4**
CV	**10**	**3**	**2**	**6**	**109**	**100**	**139**	**138**	**13**
LSD	**5.0**	**1.4**	**2.0**	**1.3**	**0.9**	**9**	**7**	**2.4**	**0.7**

Data from Bossier City, St. Joseph, and Winnsboro, LA. Alexandria omitted due to low yields.

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

Correlations: Yield is heavily influenced by heading date, stripe rust, and FHB. Correlations Yield with HD = -0.79**; Yield with Stripe = -0.56**; Yield with FHB = -0.57**. Later varieties less stripe and less FHB had higher yields than early or susceptible.

NS indicates non-significant differences among varieties.

Table 10. Wheat performance trial at Alexandria for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Height in	Lod 0-9	Stripe Rust %	Leaf Rust %	Lf Rust Late %	Bird Dam 0-10	Shatter 0-10	Fus Hdblt 0-9
GA-03564-12E6	58.7		85	40	1.5	1	0		0.5	0.0	3.3
PIONEER 26R94	**52.5**		**80**	**42**	**0.5**	**0**	**1**		**0.0**	**0.0**	**3.0**
PIONEER 26R87	**50.7**		**85**	**41**	**2.0**	**0**	**0**	**0**	**0.5**	**0.5**	**3.0**
LA03200E-2	**48.6**		**81**	**40**	**3.5**	**0**	**0**	**0**	**1.5**	**0.5**	**2.8**
LANC8170-41-2	**45.0**		**86**	**39**	**0.5**	**0**	**0**		**3.0**	**1.5**	**2.5**
AGS 2060	**44.4**		**80**	**41**	**2.0**	**0**	**0**		**0.5**	**0.0**	**2.5**
AGRIMAXX 413	**43.6**		**91**	**38**	**1.0**	**0**	**0**	**1**	**0.0**	**0.0**	**2.5**
LA03224E-39	43.3		83	45	2.0	0	0		1.0	0.5	4.3
L-BRAND-343	**42.9**		**86**	**37**	**0.5**	**0**	**0**		**0.0**	**0.0**	**5.8**
USG3225	**42.0**		**86**	**40**	**0.5**	**0**	**0**		**0.0**	**0.5**	**5.0**
GO WHEAT 2056	**39.5**		**93**	**40**	**2.0**	**0**	**0**	**2**	**0.5**	**0.5**	**2.0**
LA09264C-P2	39.4		78	41	2.0	0	0		2.5	1.0	0.3
DYNA-GRO 9171	**38.9**		**91**	**38**	**2.0**	**0**	**1**	**0**	**0.5**	**0.5**	**3.0**
ARMOR ARX1325	38.1		95	40	1.0	1	1	4	0.5	1.0	1.5
DIXIE MCALISTER	**38.0**		**92**	**39**	**2.0**	**0**	**0**	**0**	**0.5**	**0.5**	**2.0**
GA-07163-12LE9	**37.4**		**83**	**42**	**3.0**	**0**	**0**	**0**	**0.0**	**0.5**	**4.0**
USG 3895	**37.2**		**90**	**37**	**1.5**	**0**	**0**	**0**	**0.0**	**0.0**	**3.0**
ARMOR OCTANE	**37.2**		**98**	**41**	**1.5**	**0**	**0**	**0**	**2.5**	**2.5**	**2.5**
LA09056C-P10	36.9		81	42	1.0	0	0		0.5	0.0	3.5
ARMOR ARX1327	36.7		95	39	2.0	0	1	7	0.0	0.5	1.0
PIONEER 26R53	**36.1**		**92**	**37**	**3.0**	**0**	**0**	**0**	**1.0**	**0.5**	**2.3**
USG 3833	**36.1**		**95**	**42**	**1.0**	**0**	**0**	**0**	**2.5**	**2.0**	**1.8**
LA01110D-150-241	34.8		85	45	4.5	0	0		1.0	0.5	5.5
LA08095C-23	34.6		81	42	4.5	0	0		0.5	0.5	3.0
AGRIMAXX 447	**34.3**		**99**	**42**	**1.5**	**0**	**0**	**0**	**3.0**	**1.0**	**0.8**
LA09011UB-2	33.6		83	40	2.0	0	0	0	0.5	0.5	2.8
USG 3201	**33.6**		**92**	**39**	**3.0**	**0**	**0**	**0**	**0.5**	**0.0**	**2.8**
AGRIMAXX 446	**33.3**		**95**	**39**	**1.5**	**0**	**1**	**4**	**0.5**	**0.5**	**1.0**
USG 3120	**32.6**		**80**	**41**	**2.0**	**3**	**0**		**1.0**	**0.5**	**0.8**
PROGENY 870	**32.3**		**92**	**39**	**2.0**	**0**	**0**	**1**	**0.0**	**0.5**	**2.3**
PIONEER 26R41	**32.3**		**94**	**39**	**4.5**	**0**	**0**	**1**	**0.0**	**0.0**	**1.8**
AGS 2038	**30.8**		**84**	**45**	**7.5**	**0**	**0**	**0**	**1.5**	**1.5**	**4.3**
LA08115C-30	**30.6**		**79**	**40**	**4.0**	**0**	**0**		**1.5**	**0.5**	**1.8**
GO WHEAT 2058	**29.6**		**91**	**35**	**2.5**	**0**	**0**	**1**	**1.0**	**1.0**	**1.8**
ARMOR VANDAL	**29.5**		**90**	**40**	**2.5**	**0**	**0**	**0**	**0.5**	**0.0**	**3.0**
ARMOR ARX1332	28.5		91	33	2.5	1	0	0	0.5	0.5	2.5
AR01040-4-1	28.5		81	43	4.5	0	0	0	2.5	1.5	2.8
PROGENY PGX 13-6	**27.9**		**95**	**39**	**1.5**	**0**	**2**	**8**	**0.5**	**0.5**	**1.0**
USG 3404	**27.4**		**95**	**41**	**2.5**	**0**	**0**	**3**	**0.5**	**0.5**	**1.8**
HILLIARD	**27.4**		**88**	**41**	**4.0**	**0**	**0**	**0**	**0.5**	**0.5**	**2.8**
GO WHEAT 2057	**26.8**		**100**	**39**	**2.0**	**0**	**0**	**0**	**0.5**	**0.5**	**1.3**
ARMOR ARX1415	26.5		98	38	2.0	0	0	0	1.0	1.0	1.3
JAMESTOWN	**26.2**		**81**	**37**	**2.0**	**0**	**0**		**0.5**	**0.0**	**2.0**
SYNGENTA HARRISON	**24.4**		**92**	**39**	**3.0**	**0**	**2**	**13**	**0.5**	**0.5**	**1.5**
DYNA-GRO 9522	**23.7**		**94**	**39**	**2.0**	**0**	**1**	**2**	**0.5**	**0.5**	**1.8**

Table 10. Wheat performance trial at Alexandria for 2015.

Brand / variety	Grain Yield	Test Wt	Head Day	Plant Height	Lod	Stripe Rust	Leaf Rust	Lf Rust Late	Bird Dam	Shatter	Fus Hdblt
	bu/a	lbs/bu	of yr	in	0-9	%	%	%	0-10	0-10	0-9
SYNGENTA SY VIPER	**23.4**		**88**	**44**	**3.5**	**0**	**6**	**2**	**1.0**	**1.5**	**4.3**
DIXIE DXEX 15-1	23.1		95	39	3.0	0	0	4	0.5	0.5	1.0
ARGA04510-11LE24	21.8		91	42	4.0	0	0	0	0.5	1.0	5.5
GA-04417-12E33	21.7		84	43	4.5	0	0		0.5	0.0	2.3
AGRIMAXX 415	**21.6**		**91**	**38**	**3.0**	**0**	**0**	**3**	**1.0**	**0.5**	**2.5**
AGRIMAXX 444	**21.1**		**95**	**40**	**3.5**	**0**	**1**	**3**	**1.0**	**0.5**	**1.5**
SYNGENTA SY CYPRESS	**20.8**		**79**	**39**	**4.0**	**7**	**0**		**2.0**	**0.5**	**2.3**
GA-04434-12LE28	20.3		84	38	4.0	15	0		0.5	0.0	3.8
DELTA GROW 7500	**20.1**		**91**	**42**	**4.5**	**4**	**0**	**0**	**1.0**	**1.0**	**4.0**
DYNA-GRO BALDWIN	**20.0**		**86**	**44**	**2.5**	**15**	**0**	**0**	**0.5**	**0.5**	**2.8**
DIXIE DXEX13-3	18.8		98	41	1.0	0	0	2	1.5	1.0	1.3
DIXIE KELSEY	**18.6**		**87**	**41**	**7.5**	**0**	**0**	**1**	**0.5**	**1.0**	**2.3**
ARMOR HAVOC	**18.2**		**90**	**40**	**9.0**	**0**	**0**	**32**	**2.5**	**1.5**	**2.3**
AGS 2035	**18.0**		**80**	**43**	**5.5**	**5**	**0**		**2.0**	**0.0**	**3.8**
TERRAL TV8861	**18.0**		**95**	**38**	**3.5**	**0**	**4**	**3**	**1.0**	**0.5**	**1.8**
PIONEER XW13T	17.9		91	36	2.0	0	2	3	0.5	0.5	3.0
DYNA-GRO SAVOY	**17.8**		**78**	**39**	**5.5**	**0**	**0**		**4.5**	**1.0**	**2.0**
VA11W-106	17.4		88	38	3.5	0	0	0	0.5	0.5	3.3
DELTA GROW 2700	**17.3**		**95**	**39**	**3.5**	**0**	**3**	**9**	**1.0**	**0.0**	**1.8**
PIONEER 26R10	**17.0**		**93**	**39**	**3.0**	**0**	**8**	**36**	**1.0**	**0.5**	**1.5**
DYNA-GRO OGLETHORPE	**16.8**		**81**	**41**	**3.0**	**0**	**0**	**0**	**3.0**	**2.0**	**2.0**
LA09264C-P5	16.5		83	40	6.0	0	0		1.5	1.0	2.0
TERRAL TV8848	**15.3**		**96**	**40**	**6.0**	**0**	**9**	**35**	**1.5**	**1.0**	**1.3**
TERRAL LA841	**14.4**		**84**	**42**	**7.5**	**0**	**0**		**1.5**	**0.5**	**4.5**
LA01110D-150-625	12.2		84	44	8.5	0	0		1.0	0.5	1.8
TERRAL LA754	**10.6**		**82**	**42**	**9.0**	**7**	**0**		**1.0**	**1.0**	**4.0**
AGS 2040	**9.3**		**78**	**40**	**2.0**	**0**	**0**		**8.0**	**1.0**	**0.3**
ARMOR ARX1418	8.6		91	39	5.5	15	1	0	1.0	1.0	2.5
AGS 2027	**7.4**		**86**	**38**	**6.5**	**0**	**0**	**0**	**1.0**	**0.5**	**4.8**
PROGENY 410	**6.0**		**90**	**44**	**5.5**	**24**	**0**	**0**	**2.0**	**0.5**	**3.3**
DIXIE EXTREME	**5.9**		**92**	**42**	**8.0**	**0**	**14**	**22**	**1.5**	**1.0**	**2.5**
DELTA GROW 9700	**3.0**		**94**	**41**	**9.0**	**0**	**10**	**60**	**1.0**	**1.0**	**2.0**
PROGENY 125	**1.6**		**85**	**39**	**9.0**	**48**	**0**		**1.0**	**0.0**	**1.3**
Mean	**27.3**		**88**	**40**	**3.5**	**2**	**1**	**6**	**1.1**	**0.6**	**2.5**
CV%	**43**		**1**	**3**	**48**	**294**	**319**	**166**	**91**	**87**	**44**
LSD (0.10)	**13.9**		**2**	**2**	**2.8**	**6**	**3**	**15**	**1.7**	**0.9**	**1.3**

Data from Dean Lee Research Station, Alexandria, LA. Ronnie Levy, Boyd Padgett, and Caitlin Woodard.

Site Information: Planted 11/4/14, harvested 6/5/15. 2 oz/a Powerflex herbicide on 12/1/14. 150#/a of 33-0-0-12S on 1/29/15, 100#/a of 46-0-0 on 3/18/15.

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

Bird Damage and Shattering are 0-10, where 10 is roughly 100%

Table 11. Wheat Performance Trial at Bossier City for 2015.

Brand / variety	Grain Yield 2015	Grain Yield 2-year	Test Wt	Heading Day	Plant Height	Lodging	Stripe Rust	Leaf Rust	Fusarium HdBlight
	bu/a		lbs/bu	of yr	in	0-9	%	%	0-9
DIXIE EXTREME	**67.0**	**73.2**	**54.0**	**104**	**40**	**5.0**	**0**	**3**	**0.5**
ARMOR ARX1327	58.4	71.2	55.5	103	38	4.0	0	1	0.3
USG 3404	**60.0**	**71.0**	**53.4**	**103**	**37**	**3.7**	**0**	**5**	**0.0**
DYNA-GRO 9171	**64.2**	**70.7**	**54.7**	**101**	**34**	**1.3**	**0**	**2**	**1.3**
USG 3201	**56.7**	**70.7**	**56.2**	**101**	**36**	**2.7**	**0**	**3**	**0.8**
ARMOR OCTANE	**67.5**	**70.2**	**56.3**	**105**	**41**	**1.7**	**0**	**0**	**0.3**
PIONEER 26R41	**61.4**	**70.2**	**56.3**	**103**	**32**	**3.0**	**0**	**0**	**1.0**
PIONEER 26R53	**61.5**	**70.1**	**60.7**	**102**	**32**	**2.7**	**0**	**1**	**0.8**
PROGENY 870	**61.8**	**69.5**	**54.2**	**101**	**34**	**1.7**	**0**	**5**	**1.0**
TERRAL TV8861	**54.5**	**69.0**	**55.0**	**105**	**35**	**5.0**	**0**	**6**	**0.8**
USG 3833	**69.6**	**68.5**	**55.7**	**105**	**39**	**4.3**	**0**	**0**	**0.0**
DIXIE MCALISTER	**63.1**	**68.4**	**54.4**	**100**	**33**	**2.3**	**0**	**1**	**0.5**
GO WHEAT 2056	**61.6**	**68.2**	**54.1**	**101**	**35**	**1.7**	**0**	**2**	**0.3**
DIXIE KELSEY	**66.7**	**67.9**	**56.3**	**101**	**39**	**3.3**	**0**	**1**	**1.0**
ARMOR ARX1325	56.2	67.2	55.3	106	39	3.0	0	4	0.3
TERRAL TV8848	**52.7**	**67.0**	**54.4**	**104**	**38**	**6.0**	**0**	**10**	**0.8**
ARMOR VANDAL	**55.5**	**65.6**	**54.9**	**102**	**36**	**1.7**	**6**	**0**	**1.0**
DIXIE DXEX13-3	54.0	65.5	57.1	105	38	2.3	0	2	0.8
SYNGENTA HARRISON	**52.5**	**65.4**	**52.3**	**104**	**36**	**6.0**	**0**	**10**	**0.8**
ARMOR HAVOC	**55.9**	**65.3**	**54.6**	**101**	**36**	**3.3**	**0**	**5**	**0.5**
GO WHEAT 2057	**49.7**	**63.9**	**59.6**	**105**	**34**	**3.3**	**0**	**1**	**0.5**
PIONEER 26R10	**53.9**	**63.8**	**56.9**	**104**	**34**	**5.0**	**0**	**3**	**0.8**
PIONEER 26R94	**53.4**	**63.0**	**54.0**	**97**	**39**	**1.3**	**0**	**0**	**5.0**
DELTA GROW 7500	**48.7**	**62.5**	**55.0**	**101**	**37**	**3.3**	**6**	**0**	**0.3**
DELTA GROW 9700	**51.2**	**61.4**	**53.4**	**103**	**36**	**6.7**	**0**	**7**	**0.3**
DYNA-GRO SAVOY	**52.7**	**61.2**	**52.8**	**96**	**36**	**0.3**	**0**	**0**	**5.0**
AGS 2060	**49.8**	**61.2**	**53.8**	**98**	**41**	**3.3**	**0**	**5**	**3.3**
TERRAL LA841	**49.5**	**60.3**	**49.7**	**97**	**42**	**3.0**	**0**	**0**	**5.3**
AGS 2038	**52.7**	**59.8**	**54.8**	**102**	**41**	**1.3**	**5**	**0**	**2.8**
PIONEER 26R87	**54.6**	**58.3**	**56.8**	**98**	**36**	**1.3**	**0**	**4**	**2.5**
DYNA-GRO OGLETHORPE	**44.0**	**58.3**	**52.4**	**96**	**33**	**2.7**	**0**	**0**	**5.3**
TERRAL LA754	**38.5**	**58.0**	**58.7**	**98**	**39**	**2.7**	**17**	**0**	**4.0**
JAMESTOWN	**43.5**	**57.4**	**56.9**	**97**	**37**	**1.0**	**5**	**0**	**2.3**
DYNA-GRO BALDWIN	**45.3**	**57.2**	**58.3**	**105**	**40**	**0.7**	**21**	**0**	**1.0**
SYNGENTA SY CYPRESS	**38.5**	**57.2**	**51.6**	**96**	**35**	**5.0**	**44**	**5**	**3.8**
LA03200E-2	49.7	56.1	54.2	97	37	1.3	6	0	4.8
AGS 2027	**46.2**	**55.5**	**47.5**	**97**	**34**	**4.3**	**1**	**0**	**4.5**
AGS 2040	**47.9**	**55.2**	**58.9**	**96**	**35**	**2.3**	**0**	**0**	**4.5**
AGS 2035	**40.7**	**55.1**	**54.3**	**97**	**39**	**1.7**	**49**	**0**	**3.5**
L-BRAND-343	**48.0**	**54.4**	**52.7**	**98**	**35**	**2.0**	**0**	**0**	**4.8**
ARMOR ARX1332	46.7	52.6	57.8	102	30	5.7	19	1	0.5
USG 3120	**37.0**	**50.8**	**50.3**	**96**	**36**	**4.0**	**48**	**0**	**4.5**
PROGENY 125	**26.1**	**45.5**	**40.0**	**100**	**37**	**8.0**	**74**	**1**	**1.0**
AGRIMAXX 447	**76.2**		**58.5**	**104**	**38**	**3.0**	**0**	**0**	**0.0**
USG3895	**70.9**		**56.2**	**101**	**30**	**3.3**	**0**	**0**	**0.5**

Table 11. Wheat Performance Trial at Bossier City for 2015.

Brand / variety	Grain Yield 2015	Grain Yield 2-year	Test Wt	Heading Day	Plant Height	Lodging	Stripe Rust	Leaf Rust	Fusarium HdBlight
	bu/a		lbs/bu	of yr	in	0-9	%	%	0-9
AGRIMAXX 413	**66.1**		**63.8**	**100**	**35**	**3.3**	**0**	**2**	**0.8**
VA11W-106	66.0		57.0	103	35	4.7	2	0	1.3
LA09011UB-2	62.8		56.2	95	35	4.3	0	1	4.3
AGRIMAXX 444	**62.7**		**55.9**	**104**	**36**	**3.0**	**0**	**2**	**0.3**
DYNA-GRO 9522	**60.9**		**55.5**	**104**	**37**	**0.7**	**0**	**3**	**0.0**
ARMOR ARX1415	60.4		53.2	105	38	1.7	11	0	0.0
SYNGENTA SY VIPER	**60.2**		**54.1**	**99**	**40**	**4.7**	**0**	**10**	**2.3**
AGRIMAXX 446	**59.5**		**56.0**	**104**	**38**	**3.7**	**0**	**7**	**0.3**
DIXIE DXEX 15-1	59.5		54.7	104	34	2.3	0	0	0.0
AR01040-4-1	59.2		54.2	101	44	2.7	0	0	1.5
LA01110D-150-625	58.4		53.2	97	42	4.0	0	0	4.5
GA-03564-12E6	58.1		54.2	95	34	3.7	0	0	4.8
HILLIARD	**57.7**		**55.3**	**101**	**37**	**2.7**	**0**	**0**	**1.0**
PROGENY PGX 13-6	57.0		55.1	104	38	4.7	0	8	0.5
USG3225	**56.7**		**52.1**	**98**	**36**	**2.0**	**0**	**0**	**5.3**
LA09264C-P2	55.5		58.2	94	39	2.7	0	6	3.8
GA-04434-12LE28	55.5		50.9	101	35	1.7	0	0	4.5
AGRIMAXX 415	54.9		57.6	101	36	3.7	0	8	0.8
ARGA04510-11LE24	54.8		46.7	100	36	2.7	0	0	5.0
PIONEER XW13T	52.0		57.9	103	32	2.0	0	3	1.0
GA-07163-12LE9	51.5		48.3	101	35	3.3	0	0	2.8
LA09264C-P5	50.8		52.3	97	35	4.0	0	0	2.8
DELTA GROW 2700	**50.6**		**54.2**	**104**	**35**	**3.0**	**0**	**5**	**0.5**
LA08095C-23	48.5		51.0	98	40	3.0	0	15	2.8
LA09056C-P10	47.9		52.6	99	39	2.3	0	1	4.3
LANC8170-41-2	46.6		49.7	99	34	0.0	0	0	1.8
LA01110D-150-241	46.5		49.9	99	39	2.7	1	0	4.5
GO WHEAT 2058	**45.3**		**48.0**	**101**	**32**	**5.0**	**31**	**0**	**0.3**
LA03224E-39	43.2		52.6	96	43	1.0	0	0	3.8
ARMOR ARX1418	42.1		52.4	100	36	5.7	41	0	0.5
GA-04417-12E33	40.4		56.2	97	38	1.0	0	3	6.0
LA08115C-30	35.0		49.4	97	35	0.7	0	1	6.0
PROGENY 410	**33.5**		**47.5**	**102**	**38**	**4.0**	**54**	**1**	**0.8**
Mean	**53.5**	**62.9**	**54.2**	**101**	**37**	**3.0**	**6**	**2**	**2.1**
CV%	**14**	**11**	**7**	**1**	**7**	**55**	**103**	**193**	**41**
LSD (0.10)	**9.8**	**10.8**	**5.4**	**2**	**4**	**2.3**	**7**	**5**	**1.0**

Data from Red River Research Station (Bossier City) Research Station. Blair Buckley, Boyd Padgett, and William Waltmann

Site Information: Caplis very fine sandy loam. Planted 11/6 and 11/14. Finesse on 11/6 and 11/14. Harmony Extra applied on 1//29. Topdressed om 2/11 with 110-0-0 of urea.. Wet weather delayed harvest.

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

Table 12. Wheat performance trial at St. Joseph for 2015.

Brand / variety	Grain Yield 2015 bu/a	Grain Yield 2-year	Test Weight lbs/bu	Lodging 0-9
GO WHEAT 2057	**73.7**	**81.5**	**56.1**	**0.5**
PIONEER 26R41	**74.5**	**81.0**	**55.5**	**0.5**
USG 3833	**73.0**	**76.3**	**55.2**	**0.0**
TERRAL TV8861	**61.5**	**76.1**	**54.3**	**2.8**
USG 3404	**66.0**	**75.2**	**50.0**	**2.0**
PIONEER 26R53	**68.8**	**74.3**	**55.0**	**1.8**
USG 3201	**64.2**	**74.1**	**55.3**	**2.8**
DYNA-GRO BALDWIN	**64.8**	**73.6**	**57.1**	**0.0**
ARMOR OCTANE	**72.8**	**73.4**	**53.7**	**0.0**
DYNA-GRO 9171	**60.6**	**72.9**	**51.7**	**0.8**
DIXIE MCALISTER	**66.8**	**72.3**	**53.0**	**0.0**
ARMOR ARX1332	70.7	72.1	55.3	0.3
ARMOR ARX1325	60.3	72.1	53.1	0.0
GO WHEAT 2056	**67.8**	**72.0**	**53.4**	**1.3**
PIONEER 26R87	**62.9**	**70.1**	**57.0**	**0.8**
PROGENY 870	**63.9**	**69.7**	**53.7**	**1.0**
DIXIE KELSEY	**61.6**	**69.2**	**55.5**	**1.0**
ARMOR HAVOC	**52.1**	**69.0**	**55.7**	**3.3**
SYNGENTA HARRISON	**55.2**	**68.7**	**50.8**	**2.0**
LA03200E-2	58.8	68.2	50.3	0.5
ARMOR ARX1327	63.1	66.9	52.7	1.0
JAMESTOWN	**59.5**	**66.8**	**57.7**	**0.0**
AGS 2038	**50.3**	**66.8**	**53.7**	**0.0**
ARMOR VANDAL	**56.7**	**66.2**	**53.6**	**0.5**
PIONEER 26R10	**48.9**	**66.2**	**50.5**	**1.8**
DIXIE EXTREME	**48.7**	**64.5**	**49.2**	**3.5**
AGS 2060	**50.0**	**63.6**	**54.4**	**3.0**
L-BRAND-343	**56.2**	**62.8**	**54.6**	**0.3**
DELTA GROW 7500	**51.4**	**62.7**	**51.9**	**0.5**
TERRAL TV8848	**51.0**	**62.6**	**51.9**	**3.8**
DELTA GROW 9700	**54.1**	**62.2**	**51.6**	**4.0**
USG 3120	**44.7**	**62.0**	**55.3**	**0.0**
DIXIE DXEX13-3	49.8	61.5	53.3	0.0
SYNGENTA SY CYPRESS	**50.4**	**61.3**	**53.9**	**0.0**
TERRAL LA754	**48.3**	**61.0**	**53.0**	**0.8**
AGS 2035	**52.3**	**59.9**	**54.5**	**0.0**
PROGENY 125	**52.0**	**58.7**	**55.1**	**2.5**
TERRAL LA841	**48.3**	**58.0**	**50.5**	**0.5**
AGS 2040	**41.5**	**55.7**	**53.9**	**0.0**
PIONEER 26R94	**34.4**	**55.5**	**51.6**	**0.0**
AGS 2027	**44.1**	**54.5**	**50.4**	**1.5**
DYNA-GRO SAVOY	**40.2**	**52.9**	**51.0**	**0.5**
DYNA-GRO OGLETHORPE	**35.4**	**46.9**	**51.5**	**0.0**
USG 3895	**73.5**		**55.1**	**0.5**
DELTA GROW 2700	**68.6**		**54.3**	**1.0**

Table 12. Wheat performance trial at St. Joseph for 2015.

	Grain Yield		Test	Lodging
	2015	2-year	Weight	
Brand / variety	**bu/a**		**lbs/bu**	**0-9**
AGRIMAXX 446	**68.2**		**55.0**	**0.3**
VA11W-106	68.0		55.7	0.0
AGRIMAXX 447	65.4		52.8	0.0
ARMOR ARX1415	64.9		53.1	0.3
DIXIE DXEX 15-1	63.9		51.2	1.3
GO WHEAT 2058	**62.8**		**54.5**	**0.0**
DYNA-GRO 9522	**62.3**		**53.4**	**0.7**
AGRIMAXX 415	**59.5**		**55.8**	**3.5**
GA-07163-12LE9	59.3		52.7	0.0
PROGENY PGX 13-6	58.9		52.6	1.8
AGRIMAXX 444	**58.9**		**54.1**	**2.0**
LA09056C-P10	57.4		53.6	0.8
PIONEER XW13T	56.7		52.4	0.7
USG 3225	**56.7**		**53.6**	**0.5**
LA09264C-P5	56.3		55.7	1.0
GA-03564-12E6	55.1		53.9	0.0
AGRIMAXX 413	**55.0**		**49.9**	**0.0**
HILLIARD	**53.5**		**55.4**	**0.0**
ARMOR ARX1418	53.5		54.0	0.3
LA03224E-39	51.7		54.4	0.0
LA09011UB-2	51.3		54.2	0.0
SYNGENTA SY VIPER	**50.3**		**51.6**	**0.3**
LA08115C-30	49.2		53.4	0.0
LANC8170-41-2	48.5		54.6	0.0
AR01040-4-1	48.4		52.7	0.0
LA01110D-150-241	47.4		50.1	1.0
PROGENY 410	**47.1**		**53.6**	**0.0**
ARGA04510-11LE24	46.8		50.7	0.0
LA09264C-P2	46.4		55.1	0.0
LA08095C-23	44.6		53.8	0.3
GA-04434-12LE28	43.0		48.4	0.0
LA01110D-150-625	40.8		53.6	0.0
GA-04417-12E33	36.8		49.5	1.0
Mean	**56.1**	**66.7**	**53.3**	**0.8**
CV%	**13**	**12**	**4**	**139**
LSD (0.10)	**8.9**	**11.1**	**3.5**	**1.3**

Data from Northeast Research Station, St. Joseph, LA. Rick Mascagni.

Cultural and Site Information: Planted 11-26-14. Harvested 6-4-15. 30-0-0-2 topdress split application 2-2-15 and 2-20-15. Axial 16.4 oz/acre + Powerflex 2 oz/acre on 1-29-15. Bird damage related stand issues led to discard of several plots.

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

Lodging: 0 = none; 9 = severe.

Table 13. Wheat performance trial at Winnsboro for 2015.

Brand / variety	Grain Yield 2015 bu/a	Grain Yield 2-year bu/a	Test Wt lbs/bu	Head Day of yr	Rel Mat 0-9	Stripe Rust 1 %	Stripe Rust 2 %	Leaf Rust %	LfRust Late %	SEPT 0-9	FHB1 0-9	FHB2 0-9	PHE 0-9
DYNA-GRO 9171	**60.0**	**78.2**	**51.2**	**98**	**7.0**	**1**	**1**	**1**	**15**	**0.8**	**1.3**	**5.5**	**4.0**
GO WHEAT 2056	**63.9**	**78.1**	**50.1**	**98**	**7.0**	**0**	**1**	**1**	**6**	**1.0**	**1.8**	**5.8**	**3.8**
PIONEER 26R41	**64.7**	**77.5**	**53.3**	**99**	**6.0**	**1**	**1**	**0**	**6**	**1.3**	**1.8**	**4.0**	**3.3**
ARMOR OCTANE	**70.3**	**77.0**	**54.5**	**100**	**7.0**	**2**	**1**	**1**	**4**	**1.0**	**1.0**	**3.0**	**3.3**
USG 3404	**61.9**	**76.7**	**53.1**	**101**	**7.0**	**1**	**0**	**2**	**28**	**1.0**	**1.5**	**4.3**	**4.3**
PIONEER 26R87	**67.5**	**76.4**	**56.7**	**95**	**6.0**	**0**	**1**	**1**	**3**	**1.3**	**3.3**	**4.3**	**3.3**
ARMOR ARX1325	60.8	76.1	53.6	100	7.0	2	5	5	28	1.0	1.3	3.8	3.8
USG 3833	**66.2**	**75.9**	**55.1**	**101**	**7.0**	**2**	**2**	**0**	**3**	**1.3**	**2.0**	**3.5**	**3.5**
ARMOR ARX1332	58.2	73.8	53.9	98	6.0	6	13	0	4	1.8	1.0	3.5	4.8
DELTA GROW 7500	**58.0**	**73.4**	**55.1**	**97**	**5.0**	**8**	**15**	**0**	**4**	**1.3**	**1.5**	**3.5**	**5.3**
DYNA-GRO SAVOY	**48.3**	**73.4**	**50.4**	**90**	**3.0**	**2**	**1**	**1**	**0**	**2.5**	**5.5**	**7.5**	**5.3**
DIXIE MCALISTER	**60.0**	**73.0**	**50.8**	**99**	**7.0**	**0**	**0**	**1**	**23**	**1.0**	**1.5**	**5.3**	**3.3**
ARMOR VANDAL	**57.9**	**72.7**	**53.2**	**99**	**6.0**	**3**	**4**	**0**	**6**	**1.8**	**1.3**	**5.3**	**3.3**
USG 3201	**55.9**	**72.3**	**54.6**	**98**	**7.0**	**1**	**1**	**0**	**18**	**1.3**	**1.8**	**4.0**	**4.8**
GO WHEAT 2057	**56.1**	**71.7**	**55.0**	**102**	**8.0**	**4**	**8**	**0**	**3**	**1.5**	**2.3**	**4.0**	**5.3**
PROGENY 870	**59.2**	**70.7**	**50.0**	**99**	**8.0**	**0**	**0**	**2**	**25**	**0.8**	**1.3**	**5.3**	**4.0**
PIONEER 26R53	**57.4**	**69.9**	**54.1**	**99**	**7.0**	**1**	**1**	**1**	**13**	**1.0**	**1.8**	**2.8**	**3.8**
TERRAL TV8861	**52.6**	**67.6**	**52.4**	**100**	**8.0**	**0**	**1**	**23**	**48**	**0.5**	**1.8**	**5.0**	**4.3**
PIONEER 26R10	**44.7**	**66.5**	**51.4**	**101**	**7.0**	**1**	**0**	**9**	**50**	**1.3**	**1.8**	**4.3**	**3.8**
DYNA-GRO OGLETHORPE	**44.8**	**66.2**	**46.9**	**96**	**4.0**	**1**	**0**	**0**	**13**	**2.0**	**5.3**	**8.0**	**4.5**
DIXIE DXEX13-3	44.7	66.2	52.0	102	7.0	0	1	1	33	1.0	1.0	3.8	4.0
DIXIE KELSEY	**57.0**	**66.0**	**55.0**	**98**	**7.0**	**1**	**2**	**2**	**25**	**1.0**	**2.0**	**3.8**	**4.8**
PIONEER 26R94	**48.3**	**65.7**	**52.0**	**91**	**4.0**	**1**	**1**	**0**	**1**	**2.5**	**5.8**	**8.5**	**4.5**
AGS 2038	**43.6**	**65.6**	**47.5**	**96**	**5.0**	**3**	**2**	**0**	**4**	**1.3**	**4.8**	**7.8**	**3.5**
TERRAL TV8848	**43.6**	**65.4**	**51.3**	**101**	**7.0**	**0**	**0**	**7**	**45**	**2.0**	**1.3**	**4.8**	**4.8**
ARMOR HAVOC	**44.1**	**65.2**	**49.0**	**99**	**7.0**	**0**	**0**	**18**	**45**	**1.0**	**1.3**	**3.8**	**4.3**
SYNGENTA HARRISON	**50.5**	**65.1**	**49.3**	**100**	**7.0**	**0**	**3**	**7**	**48**	**1.3**	**1.5**	**5.0**	**4.3**
USG 3120	**39.5**	**64.4**	**49.0**	**90**	**4.0**	**8**	**8**	**0**	**0**	**2.3**	**5.8**	**8.5**	**5.3**
JAMESTOWN	**46.6**	**64.0**	**53.6**	**90**	**4.0**	**4**	**4**	**0**	**0**	**2.0**	**3.8**	**6.3**	**4.0**
DYNA-GRO BALDWIN	**39.5**	**63.8**	**52.0**	**96**	**4.0**	**12**	**23**	**0**	**3**	**2.3**	**2.3**	**6.3**	**5.0**
AGS 2035	**42.0**	**63.4**	**49.6**	**92**	**4.0**	**8**	**6**	**0**	**3**	**2.0**	**6.3**	**8.5**	**5.3**
L-BRAND-343	**47.3**	**62.9**	**48.4**	**96**	**5.0**	**1**	**0**	**0**	**0**	**2.3**	**4.5**	**8.3**	**4.5**
DELTA GROW 9700	**39.7**	**62.4**	**49.0**	**100**	**7.0**	**0**	**0**	**20**	**65**	**1.3**	**1.3**	**3.3**	**4.8**
LA03200E-2	54.2	61.7	53.5	92	5.0	3	6	5	23	2.5	5.8	7.5	4.3
SYNGENTA SY CYPRESS	**45.0**	**61.3**	**52.3**	**91**	**4.0**	**14**	**9**	**0**	**15**	**2.0**	**4.5**	**7.3**	**5.8**
AGS 2027	**42.2**	**61.0**	**45.7**	**95**	**6.0**	**1**	**0**	**0**		**2.0**	**3.8**	**7.8**	**4.0**
TERRAL LA754	**36.7**	**60.9**	**49.7**	**92**	**4.0**	**8**	**18**	**0**	**2**	**2.5**	**4.8**	**8.3**	**5.3**
DIXIE EXTREME	**38.1**	**59.9**	**47.2**	**99**	**7.0**	**0**	**1**	**23**	**45**	**1.5**	**1.3**	**4.3**	**4.8**
TERRAL LA841	**37.4**	**59.9**	**48.7**	**93**	**4.0**	**1**	**5**	**0**	**0**	**2.8**	**6.0**	**8.8**	**5.5**
AGS 2060	**49.7**	**56.5**	**54.3**	**93**	**4.0**	**2**	**5**	**0**	**1**	**2.8**	**4.0**	**5.8**	**4.8**
AGS 2040	**37.4**	**51.0**	**51.9**	**91**	**3.0**	**3**	**9**	**0**		**3.0**	**4.8**	**8.0**	**5.3**
PROGENY 125	**22.6**	**50.9**	**46.0**	**95**	**4.0**	**45**	**40**	**0**		**1.8**	**1.8**	**5.8**	**6.3**
SYNGENTA SY VIPER	**73.1**		**54.6**	**97**	**5.0**	**0**	**1**	**0**	**25**	**1.0**	**2.8**	**4.8**	**4.0**
AGRIMAXX 447	**68.7**		**54.1**	**101**	**6.0**	**1**	**2**	**0**	**0**	**1.0**	**1.3**	**3.0**	**3.5**
LA09011UB-2	68.0		55.9	93	5.0	1	1	0	3	1.5	4.0	6.0	4.5

Table 13. Wheat performance trial at Winnsboro for 2015.

Brand / variety	Grain Yield 2015 bu/a	Grain Yield 2-year bu/a	Test Wt lbs/bu	Head Day of yr	Rel Mat 0-9	Stripe Rust 1 %	Stripe Rust 2 %	Leaf Rust %	LfRust Late %	SEPT 0-9	FHB1 0-9	FHB2 0-9	PHE 0-9
ARMOR ARX1415	64.3		53.5	102	7.0	1	2	0	8	1.0	1.8	4.0	4.0
PIONEER XW13T	63.9		52.1	100	7.0	1	0	3	18	1.0	1.3	3.3	4.0
LANC8170-41-2	63.1		53.6	96	5.0	0	1	0	4	1.3	2.5	5.0	4.0
USG3895	**63.0**		**53.2**	**98**	**6.0**	**0**	**0**	**0**	**9**	**1.3**	**1.5**	**4.5**	**3.5**
HILLIARD	**63.0**		**52.4**	**97**	**6.0**	**0**	**0**	**0**	**3**	**1.5**	**1.8**	**5.3**	**4.0**
DELTA GROW 2700	**60.9**		**52.4**	**101**	**6.0**	**0**	**1**	**1**	**18**	**1.3**	**1.0**	**4.5**	**4.0**
AGRIMAXX 446	**59.1**		**53.8**	**101**	**6.0**	**1**	**3**	**4**	**38**	**1.3**	**1.0**	**4.0**	**4.0**
AGRIMAXX 413	**58.2**		**50.7**	**98**	**7.0**	**1**	**0**	**1**	**30**	**1.0**	**1.0**	**6.0**	**3.5**
GA-03564-12E6	57.8		50.5	93	5.0	2	1	0	0	2.0	5.3	7.8	4.0
GO WHEAT 2058	**57.5**		**54.5**	**98**	**7.0**	**4**	**8**	**0**	**3**	**1.8**	**1.0**	**3.3**	**4.0**
ARMOR ARX1327	57.5		52.3	100	7.0	0	0	2	23	1.3	1.3	5.0	3.5
AGRIMAXX 444	**56.7**		**51.3**	**101**	**6.0**	**0**	**1**	**2**	**20**	**1.0**	**1.3**	**4.3**	**4.0**
AGRIMAXX 415	**56.2**		**54.8**	**98**	**6.0**	**1**	**3**	**0**	**15**	**1.8**	**1.5**	**3.8**	**4.3**
DYNA-GRO 9522	**54.6**		**52.7**	**102**	**7.0**	**0**	**1**	**4**	**23**	**1.0**	**1.8**	**3.8**	**4.0**
DIXIE DXEX 15-1	53.7		52.2	101	7.0	0	1	2	25	1.0	1.3	4.0	4.3
PROGENY PGX 13-6	53.5		51.5	102	7.0	0	0	9	38	1.0	1.3	4.5	4.5
LA09056C-P10	52.0		50.3	93	4.0	3	1	0	1	2.0	4.8	8.0	5.0
LA09264C-P5	51.2		53.0	93	5.0	1	1	0	11	2.0	5.0	7.8	4.5
LA01110D-150-625	50.8		51.4	93	4.0	0	1	0	0	2.3	4.3	7.5	4.3
USG3225	**50.5**		**49.7**	**96**	**6.0**	**2**	**2**	**0**	**3**	**1.5**	**4.3**	**7.3**	**4.8**
LA08095C-23	50.4		52.3	92	4.0	1	1	0	8	2.0	5.5	8.3	4.8
ARMOR ARX1418	48.5		53.2	99	7.0	7	20	0	0	1.8	1.3	3.0	4.8
AR01040-4-1	48.4		48.1	94	5.0	3	3	0	3	2.5	4.3	7.5	4.0
VA11W-106	47.7		53.7	97	6.0	1	1	0	3	1.8	1.5	5.3	3.3
LA01110D-150-241	47.6		49.3	93	5.0	2	2	0	3	2.5	5.5	8.0	4.3
LA03224E-39	47.5		52.7	92	5.0	3	1	0	0	2.3	5.3	7.5	5.0
LA09264C-P2	46.7		54.0	90	3.0	3	1	2	2	3.3	4.8	8.3	5.3
GA-04417-12E33	44.7		46.3	93	5.0	1	1	0	4	1.8	6.8	8.8	4.3
LA08115C-30	44.3		49.8	90	3.0	2	0	0	5	3.0	6.8	8.8	5.3
GA-07163-12LE9	41.3		48.2	95	4.0	1	2	0	1	3.0	5.8	7.8	4.3
GA-04434-12LE28	40.7		44.9	93	5.0	0	0	0	3	2.8	6.8	8.8	5.0
ARGA04510-11LE24	38.0		47.2	98	5.0	0	0	0	0	1.5	2.0	8.0	2.5
PROGENY 410	**35.6**		**52.4**	**98**	**5.0**	**41**	**43**	**0**	**10**	**1.5**	**1.3**	**4.0**	**6.3**
Mean	**52.0**	**67.6**	**51.6**	**96**	**5.7**	**3**	**4**	**2**	**14**	**1.7**	**2.9**	**6.0**	**4.3**
CV%	**10**	**9**	**2**	**1**		**110**	**83**	**158**	**58**	**40**	**24**	**77**	**12**
LSD (0.10)	**6.2**	**12.3**	**1.6**	**2**		**4**	**5**	**5**	**14**	**0.8**	**0.8**	**5.3**	**0.9**

Data from Macon Ridge Research Station, Winnsboro, LA. Rick Mascagni, Tery Price, Hunter Pruitt, Myra Purvis, John Stapp, Steve Harrison.

Cultural and Site Information: Planted 10-27-14. Harvested 5-28-15. 30-0-0-2 topdress application 2-2-15. Post plant Amber 0.45 oz/acre. Axial 16.4 oz/acre + Harmony Extra 0.5 oz/acre on 1-29-15. Good stands. Late freeze damage resulted in severe lodging.

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

Table 14. Wheat performance trial across six Louisiana locations for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lod ging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
GA-03564-12E6	50.7	49.5	91	34	2.4	0	0	4.3
LA03200E-2	48.9	50.2	91	36	2.0	2	11	4.1
USG3895	**48.2**	**51.0**	**97**	**31**	**2.2**	**0**	**2**	**2.4**
LA09264C-P2	48.2	51.4	87	36	2.5	0	2	3.1
LA09011UB-2	**47.9**	**50.7**	**92**	**34**	**2.9**	**0**	**1**	**3.5**
PIONEER 26R41	**47.6**	**50.1**	**100**	**33**	**2.3**	**0**	**1**	**1.7**
AGS 2060	**46.3**	**49.4**	**89**	**39**	**3.2**	**1**	**9**	**3.2**
LA09056C-P10	46.0	48.5	90	37	1.5	0	1	4.5
LA03224E-39	43.7	49.7	90	39	1.7	1	0	4.2
AGRIMAXX 447	**43.6**	**51.1**	**103**	**36**	**1.6**	**1**	**0**	**0.9**
LA01110D-150-241	43.5	48.9	93	38	1.9	0	0	5.1
USG3225	**43.4**	**48.3**	**94**	**34**	**1.7**	**0**	**0**	**4.7**
LANC8170-41-2	43.0	50.7	94	33	0.6	0	1	2.4
LA09264C-P5	42.8	50.1	91	34	3.3	0	2	3.6
AGRIMAXX 413	**42.7**	**49.7**	**99**	**34**	**1.1**	**0**	**9**	**2.3**
GO WHEAT 2058	**42.6**	**49.7**	**98**	**30**	**2.2**	**10**	**9**	**1.4**
DYNA-GRO 9171	**42.5**	**45.6**	**99**	**34**	**1.9**	**0**	**6**	**2.4**
PIONEER 26R94	**42.2**	**49.7**	**90**	**38**	**1.5**	**0**	**1**	**4.3**
ARMOR ARX1332	42.2	50.3	98	30	2.7	7	10	1.6
L-BRAND-343	**41.6**	**49.1**	**94**	**33**	**1.6**	**0**	**0**	**5.3**
LA01110D-150-625	41.2	50.9	92	39	2.9	0	0	3.7
LA08095C-23	41.1	48.0	89	38	2.1	0	6	3.7
JAMESTOWN	**40.9**	**51.2**	**89**	**34**	**2.1**	**1**	**0**	**3.0**
SYNGENTA SY VIPER	**40.5**	**49.2**	**95**	**38**	**3.6**	**0**	**11**	**3.4**
AGS 2038	**40.4**	**49.4**	**95**	**39**	**2.3**	**1**	**1**	**4.3**
LA08115C-30	40.3	48.0	89	35	1.8	0	8	4.4
HILLIARD	**40.2**	**49.2**	**96**	**35**	**2.3**	**0**	**2**	**2.5**
PROGENY 870	**40.1**	**48.6**	**100**	**33**	**1.9**	**0**	**8**	**2.2**
AGRIMAXX 446	**40.0**	**51.4**	**102**	**34**	**2.2**	**1**	**20**	**1.4**
GA-07163-12LE9	**40.0**	**47.0**	**93**	**35**	**2.5**	**0**	**0**	**4.2**
DYNA-GRO SAVOY	**39.5**	**48.7**	**87**	**34**	**3.0**	**0**	**0**	**4.2**
ARMOR ARX1325	39.5	50.5	102	35	1.7	1	19	1.4
ARMOR ARX1327	39.2	49.7	100	34	2.9	0	6	1.6
AR01040-4-1	39.1	49.6	92	40	2.5	0	0	3.5
AGS 2035	**39.1**	**50.4**	**91**	**38**	**1.8**	**13**	**0**	**4.4**
VA11W-106	38.9	50.3	98	33	2.7	1	0	2.6
USG 3404	**38.6**	**45.0**	**101**	**34**	**3.4**	**0**	**8**	**1.5**
ARMOR ARX1415	38.5	49.8	105	33	1.3	3	4	1.5
GA-04434-12LE28	38.1	48.2	92	33	2.3	3	0	5.0
USG 3120	**37.8**	**48.4**	**88**	**36**	**2.2**	**12**	**0**	**4.0**
SYNGENTA SY CYPRESS	**37.3**	**48.9**	**89**	**33**	**3.0**	**12**	**5**	**3.3**
DIXIE DXEX 15-1	37.3	49.4	101	34	2.9	0	13	1.3
AGS 2040	**37.2**	**52.1**	**88**	**34**	**1.7**	**1**	**0**	**3.2**
DYNA-GRO BALDWIN	**36.7**	**51.2**	**96**	**39**	**1.0**	**11**	**0**	**2.8**
AGRIMAXX 415	**36.7**	**50.4**	**99**	**34**	**3.7**	**0**	**7**	**1.8**
PROGENY PGX 13-6	36.2	48.6	101	34	3.6	0	12	1.5
TERRAL LA754	**35.9**	**51.2**	**91**	**37**	**2.5**	**7**	**3**	**4.6**
DYNA-GRO 9522	**35.8**	**49.7**	**101**	**35**	**2.6**	**0**	**9**	**1.5**
AGRIMAXX 444	**35.8**	**50.8**	**101**	**34**	**3.5**	**1**	**12**	**1.5**
PIONEER XW13T	35.3	50.2	99	31	2.0	0	15	1.9

Table 14. Wheat performance trial across six Louisiana locations for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
DELTA GROW 2700	**35.3**	**49.0**	**101**	**34**	**3.1**	**1**	**12**	**1.7**
TERRAL LA841	**34.9**	**47.5**	**92**	**38**	**3.0**	**1**	**0**	**4.7**
ARGA04510-11LE24	32.7	46.7	96	36	3.7	0	0	5.5
ARMOR ARX1418	32.3	47.5	97	36	4.5	15	5	1.6
GA-04417-12E33	32.1	48.4	92	36	2.2	0	2	4.3
DYNA-GRO OGLETHORPE	**31.9**	**46.5**	**92**	**34**	**4.1**	**0**	**2**	**3.8**
AGS 2027	**29.9**	**45.5**	**93**	**34**	**4.9**	**0**	**0**	**4.3**
PROGENY 125	**25.2**	**45.9**	**93**	**36**	**5.7**	**32**	**0**	**2.2**
PROGENY 410	**25.0**	**48.1**	**97**	**38**	**3.1**	**23**	**7**	**2.2**
Mean	**39.6**	**49.2**	**95.0**	**35.0**	**2.5**	**3.0**	**5**	**3.1**
CV	**19**	**8**	**1**	**5**	**58**	**163**	**206**	**35**
LSD (0.10)	**10.0**	**2.7**	**2.0**	**2.0**	**1.4**	**8.0**	**8**	**1.3**

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

Data from Alexandria. Bossier City, Crowley, Jeanerete, St. Joseph, and Winnsboro, LA. Baton Rouge was lost to severe storms after maturity.

Correlations: There was a strong relationship between heading date and yield. Later headng lines yielded poorly. Correlation Yield,HeadDay = -0.89**; Corr Yld,Lfrust = -0.42**.

Table 15. Wheat performance trial across five Louisiana (no Alexandria) locations for 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lod ging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
LA09011UB-2	**50.9**	**50.7**	**93**	**33**	**3.1**	**0**	**1**	**3.8**
PIONEER 26R41	**50.8**	**50.1**	**101**	**32**	**1.9**	**0**	**2**	**1.7**
USG3895	**50.6**	**51.0**	**99**	**30**	**2.3**	**0**	**2**	**2.2**
LA09264C-P2	50.2	51.4	88	35	2.5	0	3	4.0
LA03200E-2	49.0	50.2	92	35	1.8	2	15	4.6
GA-03564-12E6	48.9	49.5	92	33	2.5	0	0	4.6
LA09264C-P5	48.3	50.1	93	33	2.8	0	2	4.1
LA09056C-P10	47.9	48.5	91	36	1.6	0	1	4.8
LA01110D-150-625	47.3	50.9	93	37	2.1	0	0	4.4
AGS 2060	**46.7**	**49.4**	**90**	**38**	**3.4**	**1**	**12**	**3.5**
AGRIMAXX 447	**45.6**	**51.1**	**103**	**35**	**1.6**	**1**	**0**	**1.0**
GO WHEAT 2058	**45.4**	**49.7**	**99**	**30**	**2.2**	**13**	**12**	**1.3**
LA01110D-150-241	45.3	48.9	94	37	1.5	0	1	5.0
ARMOR ARX1332	**45.1**	**50.3**	**100**	**30**	**2.8**	**9**	**13**	**1.3**
DYNA-GRO SAVOY	**44.3**	**48.7**	**89**	**33**	**2.6**	**0**	**0**	**4.9**
SYNGENTA SY VIPER	**44.2**	**49.2**	**96**	**37**	**3.6**	**0**	**13**	**3.1**
JAMESTOWN	**44.0**	**51.2**	**91**	**33**	**2.1**	**2**	**0**	**3.4**
LA03224E-39	43.8	49.7	91	38	1.6	1	0	4.2
USG3225	**43.7**	**48.3**	**95**	**33**	**1.8**	**0**	**1**	**4.6**
AGS 2035	**43.5**	**50.4**	**92**	**37**	**1.2**	**15**	**1**	**4.7**
VA11W-106	43.5	50.3	100	32	2.5	1	1	2.3
AGS 2040	**43.4**	**52.1**	**89**	**33**	**1.6**	**1**	**0**	**4.2**
DYNA-GRO 9171	**43.3**	**45.6**	**100**	**33**	**1.8**	**0**	**7**	**2.3**
HILLIARD	**42.9**	**49.2**	**97**	**34**	**2.1**	**0**	**2**	**2.4**
LANC8170-41-2	42.6	50.7	95	31	0.6	0	1	2.4
LA08095C-23	42.5	48.0	91	37	1.7	0	8	3.9
AGRIMAXX 413	**42.5**	**49.7**	**100**	**34**	**1.1**	**0**	**12**	**2.3**
AGS 2038	**42.4**	**49.4**	**96**	**37**	**1.5**	**2**	**1**	**4.3**
LA08115C-30	42.4	48.0	91	34	1.5	0	11	5.3
GA-04434-12LE28	42.1	48.2	93	32	2.0	0	1	5.4
PROGENY 870	**41.7**	**48.6**	**101**	**32**	**1.8**	**0**	**11**	**2.1**
AR01040-4-1	41.5	49.6	94	39	2.2	0	1	3.8
AGRIMAXX 446	**41.4**	**51.4**	**103**	**33**	**2.3**	**1**	**28**	**1.5**
L-BRAND-343	**41.4**	**49.1**	**95**	**32**	**1.8**	**0**	**0**	**5.1**
TERRAL LA754	**41.2**	**51.2**	**92**	**36**	**1.5**	**7**	**5**	**4.8**
ARMOR ARX1415	**41.1**	**49.8**	**107**	**32**	**1.2**	**4**	**5**	**1.6**
USG 3404	**40.9**	**45.0**	**102**	**33**	**3.5**	**1**	**11**	**1.4**
SYNGENTA SY CYPRESS	**40.8**	**48.9**	**90**	**31**	**2.8**	**14**	**7**	**3.7**
GA-07163-12LE9	40.5	47.0	95	34	2.4	0	0	4.3
DIXIE DXEX 15-1	40.3	49.4	102	32	2.9	0	19	1.3
DYNA-GRO BALDWIN	**40.3**	**51.2**	**98**	**37**	**0.8**	**9**	**1**	**2.8**
PIONEER 26R94	**40.1**	**49.7**	**91**	**37**	**1.6**	**0**	**0**	**4.8**
AGRIMAXX 415	**39.9**	**50.4**	**100**	**33**	**3.8**	**0**	**10**	**1.5**
ARMOR ARX1327	39.8	49.7	101	33	3.0	0	8	1.8
ARMOR ARX1325	39.8	50.5	103	34	1.8	1	26	1.3
DELTA GROW 2700	**39.3**	**49.0**	**102**	**33**	**3.0**	**1**	**15**	**1.7**
TERRAL LA841	**39.2**	**47.5**	**93**	**37**	**2.3**	**1**	**0**	**4.8**
PIONEER XW13T	39.2	50.2	101	30	2.0	1	20	1.5
USG 3120	**38.9**	**48.4**	**90**	**35**	**2.2**	**15**	**0**	**5.0**
AGRIMAXX 444	**38.9**	**50.8**	**102**	**32**	**3.5**	**1**	**17**	**1.5**

Table 15. Wheat performance trial across five Louisiana (no Alexandria) locations for 2015.

Brand / variety	Grain Yield	Test Wt	Head Day	Plant Ht	Lod ging	Stripe Rust	Leaf Rust	Fusarium Headblight
	bu/a	lbs/bu	of yr	in	0-9	%	%	0-9
DYNA-GRO 9522	**38.5**	**49.7**	**102**	**34**	**2.7**	**0**	**13**	**1.4**
PROGENY PGX 13-6	37.9	48.6	102	34	3.9	1	16	1.7
ARMOR ARX1418	37.3	47.5	98	35	4.3	16	6	1.3
DYNA-GRO OGLETHORPE	**35.3**	**46.5**	**93**	**33**	**4.3**	**0**	**3**	**4.4**
ARGA04510-11LE24	35.0	46.7	97	35	3.7	0	0	5.5
AGS 2027	**34.6**	**45.5**	**94**	**33**	**4.6**	**0**	**0**	**4.1**
GA-04417-12E33	34.4	48.4	94	35	1.8	0	3	4.9
PROGENY 125	**30.2**	**45.9**	**94**	**35**	**5.2**	**28**	**0**	**2.5**
PROGENY 410	**28.9**	**48.1**	**98**	**36**	**2.7**	**22**	**10**	**1.8**
Mean	**42.1**	**49.2**	**96.0**	**34.0**	**2.4**	**3.0**	**6**	**3.2**
CV	**14**	**8**	**1**	**6**	**60**	**133**	**178**	**32**
LSD (0.10)	**ns**	**2.7**	**2.0**	**2.0**	**1.4**	**10**	**11**	**1.4**

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

Data from Bossier City, Crowley, Jeanerette, St. Joseph, and Winnsboro, LA. Baton Rouge was lost to severe storms after maturity.

Correlations: There was a strong relationship between heading date and yield. Later headng lines yielded poorly. Correlation Yield,HeadDay = -0.89**; Corr Yld,Lfrust = -0.42**.

Table 16. Wheat performance trial across seven Louisiana locations for 2014 and 2015.

Brand / variety	Grain Yield bu/a	Test Wt lbs/bu	Head Day of yr	Plant Ht in	Lodging 0-9	Stripe Rust %	Leaf Rust %	Fusarium Headblight 0-9
PIONEER 26R41	**70.2**	**54.4**	**102**	**32**	**1.3**	**0**	**1**	**1.7**
ARMOR ARX1332	**67.8**	**54.8**	**101**	**30**	**1.9**	**9**	**8**	**1.3**
DYNA-GRO 9171	**66.7**	**52.0**	**101**	**33**	**1.2**	**0**	**9**	**2.0**
AGS 2038	**66.2**	**54.7**	**98**	**38**	**1.1**	**2**	**0**	**3.7**
LA03200E-2	66.0	55.3	94	34	1.2	2	9	4.0
TERRAL LA754	**65.6**	**55.3**	**94**	**35**	**1.0**	**7**	**3**	**4.2**
JAMESTOWN	**65.6**	**56.0**	**92**	**32**	**1.3**	**2**	**0**	**2.7**
USG 3120	**65.2**	**54.5**	**92**	**35**	**1.4**	**15**	**0**	**4.6**
DYNA-GRO SAVOY	**65.0**	**54.4**	**91**	**32**	**2.0**	**0**	**0**	**4.6**
ARMOR ARX1325	64.7	54.3	104	33	1.2	1	16	1.4
AGS 2035	**64.4**	**55.4**	**94**	**36**	**0.9**	**15**	**0**	**4.0**
DYNA-GRO BALDWIN	**63.3**	**55.6**	**100**	**38**	**0.6**	**9**	**1**	**2.7**
PIONEER 26R94	**63.1**	**55.3**	**93**	**37**	**1.1**	**0**	**0**	**4.1**
USG 3404	**62.9**	**51.9**	**103**	**34**	**2.2**	**1**	**9**	**1.4**
PROGENY 870	**62.9**	**53.2**	**101**	**32**	**1.3**	**0**	**10**	**1.8**
SYNGENTA SY CYPRESS	**62.9**	**54.5**	**93**	**32**	**1.8**	**14**	**4**	**2.9**
AGS 2060	**62.5**	**55.1**	**94**	**37**	**2.2**	**1**	**7**	**2.9**
ARMOR ARX1327	61.8	53.8	102	34	1.9	0	12	1.7
L-BRAND-343	**60.7**	**54.9**	**96**	**32**	**1.5**	**0**	**0**	**4.9**
AGS 2040	**59.7**	**56.1**	**91**	**33**	**1.1**	**1**	**0**	**3.3**
TERRAL LA841	**59.5**	**53.0**	**95**	**35**	**1.5**	**1**	**0**	**4.4**
DYNA-GRO OGLETHORPE	**58.7**	**52.7**	**94**	**32**	**2.8**	**0**	**1**	**4.2**
AGS 2027	**56.7**	**52.0**	**95**	**32**	**3.7**	**0**	**0**	**4.1**
PROGENY 125	**56.6**	**51.7**	**95**	**34**	**3.2**	**28**	**14**	**2.4**
Mean	**63.3**	**54.2**	**97.0**	**34.0**	**1.6**	**5.0**	**4**	**3.1**
CV	**11**	**6**	**1**	**1**	**77**	**99**	**203**	**33**
LSD (0.10)	**6.1**	**1.4**	**1.0**	**1.0**	**0.9**	**13**	**8**	**1.0**

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

Data from 2014 & 2015: Bossier City, Crowley, Jeanerette, St. Joseph, and Winnsboro, amd 2014 Alexandria and BatonRouge.

Correlations: There was a strong relationship between heading date and yield. Later headng lines yielded poorly. Correlation Yield,HeadDay = -0.89**; Corr Yld,Lfrust = -0.42**.

Table 17. Wheat performance trial across Louisiana for three years, 2013, 2014 and 2015.

Brand / variety	Grain Yield	Test Wt	Head Day	Plant Ht	Lodging	Stripe Rust	Leaf Rust	Fusarium Headblight
	bu/a	lbs/bu	of yr	in	0-9	%	%	0-9
PIONEER 26R41	**73.4**	**55.3**	**103**	**33**	**1.2**	**0**	**2**	**1.7**
AGS 2038	**72.1**	**56.0**	**96**	**39**	**1.0**	**1**	**0**	**3.7**
TERRAL LA754	**70.6**	**56.1**	**92**	**36**	**0.8**	**8**	**2**	**4.2**
LA03200E-2	70.4	56.4	92	34	0.9	2	6	4.0
PIONEER 26R94	**69.3**	**56.7**	**91**	**37**	**0.8**	**1**	**0**	**4.1**
JAMESTOWN	**69.3**	**56.8**	**91**	**33**	**1.0**	**1**	**0**	**2.7**
DYNA-GRO 9171	**68.9**	**52.9**	**103**	**34**	**0.9**	**0**	**6**	**2.0**
AGS 2060	**68.7**	**56.3**	**90**	**38**	**1.7**	**2**	**4**	**2.9**
USG 3120	**68.4**	**55.7**	**89**	**37**	**1.2**	**14**	**0**	**4.6**
AGS 2035	68.2	56.4	91	38	0.7	14	0	4.0
DYNA-GRO BALDWIN	**68.2**	**56.8**	**99**	**39**	**0.6**	**12**	**0**	**2.7**
L-BRAND-343	**68.0**	**56.3**	**96**	**33**	**1.2**	**3**	**0**	**4.9**
SYNGENTA SY CYPRESS	**67.9**	**55.4**	**89**	**32**	**1.5**	**12**	**3**	**2.9**
PROGENY 870	**65.9**	**53.6**	**103**	**33**	**0.9**	**0**	**7**	**1.8**
AGS 2040	**65.8**	**56.7**	**89**	**34**	**0.9**	**4**	**0**	**3.3**
DYNA-GRO OGLETHORPE	**63.5**	**54.1**	**93**	**33**	**2.2**	**1**	**1**	**4.2**
AGS 2027	**63.4**	**54.0**	**95**	**34**	**3.2**	**2**	**0**	**4.1**
PROGENY 125	**62.2**	**53.3**	**94**	**34**	**2.4**	**19**	**11**	**2.4**
TERRAL LA841	**61.1**	**53.7**	**94**	**35**	**1.3**	**1**	**0**	**4.4**
Mean	**67.9**	**55.4**	**94.0**	**35.0**	**1.3**	**5.0**	**2**	**3.4**
CV	**10**	**4**	**1**	**5**	**92**	**88**	**273**	**31**
LSD (0.10)	**4.6**	**1.0**	**2.0**	**0.9**	**0.8**	**9**	**4**	**1.0**

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

Data from 2014 & 2015: Bossier City, Crowley, Jeanerette, St. Joseph, and Winnsboro, and 2014: Alexandria and 2013 and 2014:Baton

Correlations: There was a strong relationship between heading date and yield. Later headng lines yielded poorly. Correlation Yield,HeadDay = -0.89**; Corr Yld,Lfrust = -0.42**.

Table 18. Oat Variety Trials across Louisiana for Two Years, 2014 and 2015.

DESIG	Yield bu/A	TWT lb/bu	Seed Quality 0-9	Growth Habt of yr	Leaf iness 0-9	Head Day of yr	Plant Ht 0-9	Lodg ing 0-9	Pheno type 0-9
HORIZON 270	**128.2**	**32.7**	**4.3**	**4.2**	**5.0**	**103**	**36**	**3.3**	**4.0**
LA02065SBSBSBSB-88	123.0	32.6	4.3	5.6	4.4	105	41	1.7	4.9
HORIZON 201	**122.2**	**32.2**	**4.3**	**4.8**	**3.4**	**101**	**44**	**7.3**	**4.7**
TX09CS1112	120.4	29.6	5.0	5.0	5.4	102	33	2.7	4.9
LA99016	**117.1**	**33.2**	**4.0**	**5.8**	**3.9**	**104**	**43**	**4.7**	**4.2**
FL0720-R6	**117.1**	**31.7**	**3.0**	**3.8**	**3.2**	**107**	**45**	**8.0**	**3.9**
HORIZON 306	**117.0**	**34.6**	**5.0**	**4.4**	**3.4**	**106**	**41**	**3.7**	**3.5**
TX09CS1029	112.6	31.8	4.0	4.6	4.5	103	36	4.3	4.3
TX07CS1948	102.9	32.9	4.3	6.4	4.8	100	37	5.7	3.6
LA07048SBSB-5	99.9	31.6	4.7	5.0	4.7	103	45	1.7	4.6
BROOKS	**95.5**	**30.4**	**4.3**	**4.6**	**4.3**	**105**	**43**	**7.7**	**4.6**
LA07007SBSB-68	94.6	32.8	5.7	3.8	4.6	98	39	8.3	4.5
Mean	**112.2**	**32.2**	**4.4**	**4.8**	**4.3**	**103**	**40.0**	**4.9**	**4.3**
CV	**44**	**4**		**12**	**12**	**2**	**6**		**12**
LSD	**14.6**	**1.6**		**1.3**	**0.7**	**2**	**3.0**		**0.6**

Data from: 2015 Winnsboro; 2014: Bossier City, Baton Rouge, and Winnsboro.
Wint Stress 0 = None, green and lush; 9 = highly stressed, complete loss of chlorophyll.
Winter Growth Habit 0 - very ealry springlike; 9 = very late winter/prostrate.
Leafiness 0 = excellent lefiness/forage; 9 = very poor forage potential/few leaves.
Pheno January General appearance in mid winter. 0 = excellent, 9 = very poor.
Pheno Spring General appearance in march and April (2 ratings). 0 = excellent, 9 = very poor.
No disease pressure

Table 19. Oat Variety Trials across Louisiana for Three Years, 2013, 2014 and 2015.

	Yield	TWT	Seed Quality	Growth Habt	Leaf iness	Head Day	Plant Ht	Lodg ing	Crown Rust	Pheno type
DESIG	**bu/A**	**lb/bu**	**0-9**	**of yr**	**0-9**	**of yr**	**0-9**	**0-9**	**%**	**0-9**
HORIZON 201	**104.8**	**31.8**	**4.3**	**4.8**	**3.4**	**101**	**44**	**4.2**	**0**	**3.8**
LA99016	**104.0**	**32.3**	**4.0**	**5.8**	**3.9**	**103**	**43**	**3.9**	**0**	**3.3**
HORIZON 306	**100.7**	**33.2**	**5.0**	**4.4**	**3.4**	**105**	**41**	**2.7**	**0**	**2.9**
TX09CS1112	98.6	29.4	5.0	5.0	5.4	102	33	1.3	0	5.1
HORIZON 270	**92.9**	**31.5**	**4.3**	**4.2**	**5.0**	**103**	**36**	**2.1**	**0**	**3.4**
TX07CS1948	90.1	32.2	4.3	6.4	4.8	100	37	4.9	0	3.4
LA07007SBSB-68	**83.6**	**31.8**	**5.7**	**3.8**	**4.6**	**97**	**39**	**8.4**	**0**	**4.4**
BROOKS	**73.5**	**29.5**	**4.3**	**4.6**	**4.3**	**104**	**43**	**6.2**	**45**	**4.3**
Mean	**93.4**	**31.5**	**4.6**	**4.9**	**4.4**	**102**	**40.0**	**4.2**	**6**	**3.8**
CV	**14**	**5**		**11**	**13**	**2**	**6**	**43**		**17**
LSD	**16.2**	**1.4**		**1.6**	**0.8**	**2**	**3.0**	**1.8**		**1.8**

Data from: 2015 Winnsboro; 2013 and 2014: Bossier City, Baton Rouge, and Winnsboro.
Wint Stress 0 = None, green and lush; 9 = highly stressed, complete loss of chlorophyll.
Winter Growth Habit 0 - very ealry springlike; 9 = very late winter/prostrate.
Leafiness 0 = excellent lefiness/forage; 9 = very poor forage potential/few leaves.
Pheno January General appearance in mid winter. 0 = excellent, 9 = very poor.
Pheno Spring General appearance in march and April (2 ratings). 0 = excellent, 9 = very poor.
No disease pressure

Table 20. OAT VARIETY TRIAL AT WINNSBORO, LA. 2015

DESIG	Yield	TWT	HEADING DATE	WINT SRESS	GROW HABIT	PHENO
	bu/A	lb/bu	of yr	0-9	0-9	0-9
VAR	BUPA	TWT	hd	WS	GH	PHE
LA08085SS-T3	98.2	32.3	90.5	4.0	4.0	4.8
HORIZON 270	**96.7**	**31.1**	**92.5**	**6.5**	**4.0**	**3.5**
HORIZON 306	**85.6**	**33.0**	**95.0**	**3.5**	**5.0**	**3.3**
FL0720-R6	**83.8**	**32.0**	**96.5**	**3.5**	**5.0**	**4.3**
LA08084SBSBS-15	83.5	29.4	87.5	4.0	5.5	4.0
TX09CS1112	83.0	28.7	91.5	4.5	5.5	6.0
LA07007SBSB-68	79.8	30.3	87.0	4.5	4.0	4.5
HORIZON 201	**77.2**	**30.5**	**92.5**	**3.5**	**6.0**	**5.3**
LA99016	**74.7**	**31.5**	**95.0**	**4.0**	**8.0**	**4.0**
LA02065SBSBSBSB-88	73.6	31.3	94.0	5.5	6.5	4.8
LA06059SBSBSBSB-4-S1	72.6	29.2	91.0	3.5	6.0	4.8
TX09CS1029	71.0	29.3	94.5	3.5	5.5	4.0
TX09CS076	70.2	30.3	96.5	4.5	6.0	4.8
LA07007SBSBSB-18	68.6	29.2	87.0	4.0	3.5	4.0
LA07007SBSBSB-24	67.4	28.3	87.0	7.0	4.0	3.8
TX07CS1948	65.0	29.9	92.0	4.0	7.5	3.5
LA07048SBSB-5	63.1	29.2	92.0	4.0	6.0	4.5
TX09CS069	62.9	26.1	89.0	5.0	6.5	4.0
BROOKS	**61.6**	**26.4**	**95.0**	**3.5**	**5.5**	**4.8**
LA07065SBS-FS2-Ab1	60.1	27.5	87.0	3.5	6.5	4.8
LA06063SBSB-S1	48.8	31.9	88.0	4.5	6.0	4.5
LA08017BS-T1	47.0	26.2	91.0	5.0	4.0	3.8
Mean	**72.5**	**29.7**	**91.5**	**4.3**	**5.5**	**4.3**
CV	**13.8**	**2.2**	**0.9**	**26.0**	**22.7**	**12.2**
LSD	**16.4**	**1.1**	**1.6**	**2.3**	**2.6**	**1.1**

Wint Stress 0 = None, green and lush; 9 = highly stressed, complete loss of chlorophyll.
Winter Growth Habit 0 - very ealry springlike; 9 = very late winter/prostrate.
Leafiness 0 = excellent lefiness/forage; 9 = very poor forage potential/few leaves.
Pheno January General appearance in mid winter. 0 = excellent, 9 = very poor.
Pheno Spring General appearance in march and April (2 ratings). 0 = excellent, 9 = very poor.
No disease pressure
TEST 2 reps, 5' x 14' harvested
Planted 10/30/2014. Harvested 6/7/2014.
80-0-0 topdress fertilizer; Harmony Extra herbicide.
Lots of lodging from severe storms after maturity. All plots >6 lodging so no notes taken
Exceptionally wet winter with prolonged periods of saturated soils as well as heavy rains

Appendix A. Entries in the 2015 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
WHEAT		
AGS	AGS 2027, 2035, 2038, 2040…….....	AGSouth Genetics P.O. Box 72246 Albany, GA 31708
AgriMAXX	AgriMAXX 413, 415, 444, 446, 447 …….....	AgriMAXX Wheat Company 7167 Highbanks Road Mascoutah, IL 62258
ARMOR	Havoc, Octane, Vandal, ARX 1325, ARX 1332…..... ARX 1327, 1415, 1418	Armor Seed 183 S. Pennsylvania Ave. Waldenburg, AR 72475
Delta Grow	Delta Grow 2700, 7500, 9700…….…….....	Delta Grow Seed 220 N W 2nd England, AR 72046
Dixie	McAlister, Xtreme, DXEX13-3, DXEX15-1….....	Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421
Dyna-Gro	Baldwin, Oglethorpe, Dyna-Gro 9171, 9522, ……..... 11E51	Dyna-Gro Seed 11 Gin Road Rayville, LA 71269
GA	All numbered GA/UGA lines.....	Georgia Agric. Experiment Stn. Crop & Soil Science - UGA 1109 Experiment St. Griffin, GA 30223
LA	All numbered LA lines,…….....	Louisiana Agric. Experiment Stn. SPESS - LSU Baton Rouge, LA 70803
Pioneer	26R10, 26R41, 26R53, 26R87, 26R94, XW13T….....	Dupont Pioneer 59 Greif Parkway, Suite 200 Delaware, OH 43015
Progeny	Progeny 125, 410, 870, PGX 13-6……	Progeny Ag Products 1529 Hwy. 193 South Wynne, AR 72396

Appendix A. Entries in the 2015 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
WHEAT		
Stratton	Go Wheat 2056, 2057, 2058……..……...…….	Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160
Syngenta	Cypress, Harrison, SY Viper….……...…….	Syngenta 7099 Parkbrook Ln Cordova, TN 38018
Terral	LA 754, LA841, TV8848, TV8861…….....	Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254
USG	USG 3120, 3201, 3225, 3404, 3833, 3895……...	UniSouth Genetics, Inc. 3205-C HWY 46 S Dickson, TN 37055
VA	Jamestown, …….……....	Virginia PI & State University EVAREC 2229 Menokin Road Warsaw, VA 22572

Appendix A. Entries in the 2015 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Brand	Line/Variety	Originating Agency
OATS		
FL	All Numbered FL lines…….	North Florida Res. & Education Center 155 Research Road Quincy, FL 32351
LA	All Numbered LA lines.....	Louisiana Agric. Experiment Station SPESS - LSU Baton Rouge, LA 70803
NC State	Brooks.....	North Carolina Agric. Expt. Station Crop Science Department North Carolina State University Raleigh, NC 27695
Plantation	Horizon 201, 270, 306…..…….....	Plantation Seed P.O. Box 398 Newton, GA 39870
Plot Spike	LA 99016.....	Ragan & Massey, Inc. 101 Ponchatoula Parkway Ponchatoula, LA 70454
TAMO/TX	All numbered TAMO/TX lines……..….....	Texas AgriLife Research Soil & Crop Sciences Dept 2747 TAMU College Station, TX 75429