2022 SMALL GRAIN PERFORMANCE TRIALS

LAES Research Summary No. 225 August 2022

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Performance of Small Grain Varieties in Louisiana, 2021-22

Stephen A. Harrison[1], Kelly Arceneaux[1], Reddy Biradar[1], Blair Buckley[4], Dennis Burns[2], Fred Collins[5], Dustin Ezell[6], Jacob Fluitt[3], Katie Fontenot[1], Allysson Harding[1], Dustin Harrell[3], Laura Lee[5], Manoch Kongchum[3], James Leonards[3], G. Boyd Padgett[5], Trey Price[6], Myra Purvis[6], Daniel Stephenson[5], William Waltman[4], and Greg Williams[7]

Introduction

Small grain variety trials are conducted annually by scientists of the Louisiana State University Agricultural Center Agricultural Experiment Station to evaluate grain yield, agronomic performance and disease reaction of varieties and advanced lines. The trials are conducted at seven LSU AgCenter 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 breeder or company. Inclusion of an entry in the trials does not constitute an endorsement. The performance trial in north Louisiana is divided by relative maturity into two groups, early and medium to late (normal) to facilitate timely planting and harvest. The north Louisiana early trial included seven varieties (bold font in tables) and five experimental lines (normal font in tables) while the normal trial included 34 commercial varieties and 28 experimental lines. There were 48 entries in the south Louisiana performance trials.

A fungicide split was added to the wheat performance trials at Baton Rouge, Alexandria and Winnsboro starting in 2020. At these locations there were six replications in each trial with three of those receiving two fungicide applications and three without fungicide.

New entries in the statewide trials are tested in the north Louisiana normal trial and in a south Louisiana vernalization trial, unless prior testing in other Baton Rouge nurseries indicates an entry is adapted to south Louisiana, in which case it is also tested in the south Louisiana variety trials. 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.

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. Fusarium headblight (FHB) reaction should also weigh heavily in variety choice as this disease is difficult to control and frequently contributes to loss of yield and economic value.

Growers should also consider specific data from the LSU AgCenter 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 to 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. All plots were seeded at the recommended rate with seed provided by the originating agency or company **(Appendix A)**.

1. Professor and variety trial coordinator, Research Associate, Research Associate, Research Farm Assistant 2, and Research Associate, respectively. SPESS Department, Baton Rouge.
2. Extension Specialist, Northeast Research Station, St. Joseph.
3. Research Associate, Professor, Professor, Assistant Professor, and Research Associate, respectively. Rice Research Station, Crowley.
4. Associate Professor, and Research Associate, respectively. Red River Research Station, Bossier City.
5. Research Associate, Research Associate, Professor, and Professor, respectively. Dean Lee Research Station, Alexandria.
6. Research Associate, Associate Professor and Research Associate, respectively. Macon Ridge Research Station, Winnsboro.
7. Research Associate. Iberia Research Station, Jeanerette.

Characteristics 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)** are reported at the 10% probability level. An LSD of 10% probability (α=0.10) is the level of difference in a trait (such as 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/acre, 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, stripe rust and oat crown rust 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 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, Septoria leaf and glume blotch 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 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.

Fusarium headblight is rated on a 0-9 scale in yield plots and in inoculated, misted nurseries. A seed sample is rated for percent Fusarium damaged kernels (FDK) and then submitted to the U.S. Department of Agriculture Wheat DON Lab at the University of Minnesota to determine deoxynivalenol toxin (DON) concentration. The same procedure is followed for the misted nurseries except that samples are hand harvested and processed to avoid blowing out small, scabby seed.

A Fusarium index is calculated as 2 x [(FHB field rating as a percent of the mean rating of all entries + 2 x FDK % as a percent of the mean rating of all entries + 3 x DON ppm as a percent of the mean of all entries)]. FHB reaction type is based on this FHB index.

Traits and Rating Scales for LAES Wheat and Oat Performance Trials.

Trait	Abbrev.	Description
Yield	BUPA	Grain yield in bushels per acre adjusted to 13% moisture.
Test weight	TWT	Volume weight of grain in pounds per bushel.
Heading day	HD	Day of calendar year (days after Dec. 31) at 50% heading.
Growth habit	GH	Normally taken on oat trials where a lower number indicates earlier and more upright growth habit and a high number indicates a prostrate growth habit during early or mid-winter. Higher numbers may be indicative of winter hardiness.
Relative maturity	RELMAT	Relative Heading Date on a 0-9 scale where a lower number is earlier, taken after flag leaf stage and before maturity. Normally taken for trials that are not rated every week due to distance.
Vernalization	VERN	An indication of the degree of heading when not all varieties head properly. Rated on a 0-9 where a higher number indicates more normal heading and a lower number indicates heads emerged unevenly of not at all.
Plant height	HT	Plant height in inches to top of head.
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	LFRUST	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	STRUST	Percent of upper two leaves affected by stripe rust, rated between flag leaf and mid grain fill.
Septoria	SEPT	Septoria leaf and 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.
Fusarium headblight	FHB	FHB is rated on a scale of 0-9, where 0 indicates no disease and 9 indicates severe disease on the head.
Fusarium damaged kernels	FDK	Is measured as the percent of grains shriveled and discolored by FHB.
Fusarium DON toxin	DON	DON in ppm is determined at the USDA mycotoxin lab in Minneapolis.
Fusarium index	FHBI	Is a numerical rating of Fusarium resistance calculated by converting FHB, FDK, and DON to a proportion of the test mean and then giving 2x weight to FDK and 3x weight to DON. FHB Index = 2 x [(FHB field rating divided by the test mean rating) + (2 x FDK % divided by the test mean) + (3 x DON ppm divided by the mean)]. With this scale 10 is exactly average FHB, FDK and DON, 5 is 50% of average and 30 is 300% of average FHBI.
Phenotype	PHE	Phenotypic rating, an overall visual rating prior to harvest. 0=poor, 9=excellent. This rating is a visual rating of “eye-appeal.”

Growing Conditions and General Comments for 2021-2022

The 2021-2022 growing season was very favorable for wheat production. All seven wheat trials and four oat trial locations were successfully planted and harvested. Rainfall was less than average, and leaf and stripe rust disease pressure were low. The crop was planted and harvested on time and grower yields have been good to excellent. Crown rust and stem rust developed on susceptible varieties/entries of oats and reached very high levels before season's end. Stem rust was highly negatively correlated with grain yield at Winnsboro. A mid-winter hard freeze caused significant damage to some entries in the oat trial at Winnsboro.

Performance of Wheat Varieties Across South

Louisiana South Region Means

All three south Louisiana locations produced good data in 2022. Disease pressure was very low and the only disease notes recorded were for Fusarium headblight in the misted nursery at Baton Rouge. There was no lodging and all entries vernalized although several headed very late and had low yields and test weights resulting from seed fill during hot weather.

The average yield of 48 entries was 76.1 bushels per acre with a range of 52.9 to 87.7 bushels per acre (Table 1). The average test weight was 55.1 pounds per bushel. Dyna-Gro Plantation had the highest yield (87.7 bushels per acre) across the region. TX16DDH579, AGS 3022, AgriMaxx 481, Delta Grow 3500, and Pioneer 26R94 also had yields of 85.5 bushels per acre or greater. Five entries had very low heading dates and consequently, low yield and test weight.

The average FDK (shriveled kernel percentage) in the misted nursery at Baton Rouge was 27.5 % with a range of 3% to 65%. Four varieties had 15% or less FDK, indicating good resistance to FHB (Tables 1, 20). The average DON (mycotoxin) level was 10.5 ppm with a range of 1.3 ppm to 67.5 ppm. Three varieties had greater than 30 ppm DON.

Two years

Seven varieties and one breeding line had two-year average yields between 80 and 84 bushels per acre, led by AGS 3022 with a mean yield of 83.8 bushels per acre (Table 2). The two entries with the lowest yield were also substantially later than all other entries and are an example of why many varieties are not suited for south Louisiana due to late heading. Disease pressure has been low in south Louisiana for the past two years.

The FHB data presented in Table 2 is from a misted, inoculated nursery in Baton Rouge. Misted nurseries are grown at three locations each year to screen varieties and breeding lines for resistance to Fusarium headblight disease. Tables 20, 21, and 22 summarize the FHB reaction type of each variety and classify them for level of resistance.

Three years

Seventeen entries have been tested across south Louisiana for three years (Table 3). Delta Grow 3500, Pioneer 26R94 and Dyna-Gro Plantation had three-year mean yields greater than 64 bushels per acre along with above average test weights.

Baton Rouge

The average yield of 48 entries in Baton Rouge was 74.4 bushels per acre (Table 4). Agrimaxx 492, AGS 2055, Agrimaxx 481 and Delta Grow 3500 had yields of more than 80 bushels per acre. The four lowest-yielding entries headed out at least seven days later than the test mean, reinforcing the importance of proper variety selection.

Crowley

Dyna-Gro Riverland yielded 100.8 bushels per acre at Crowley in 2022 (Table 5). The average yield of 48 entries was 81.2 bushels per acre and the average test weight was 54.5 pounds per bushel. There was a 34-day range in heading dates in Crowley (March 5 to April 9). Disease pressure in Crowley was very light during 2022.

Jeanerette

The Jeanerette trial also produced excellent grain yields ranging from 19.9 to 90.3 bushels per acre (Table 6). Dyna-Gro Plantation had the highest yield followed by AGS 3022. Test weights averaged 54.7 pounds per bushel and ranged from 38.6 to 59.3 pounds per bushel. As is typically the case, entries with the lowest test weights were substantially later heading than average.

Seven entries did not fully vernalize in Jeanerette and subsequently had low yields and test weights. Disease pressure was very light in Jeanerette.

Performance of Wheat Varieties Across North Louisiana

Early Maturity North Region Means:

The early maturity trials had a fungicide applied twice in Alexandria and Winnsboro. At these locations three replications received two applications of a fungicide and three replications were unsprayed. The non-fungicide means in Table 7 also include data from the trials in Bossier City and St. Joseph. Because the non-fungicide data includes additional locations, it is not possible to determine the impact of fungicide over locations. This comparison can be made for Alexandria and Winnsboro (Tables 10, 12).

Dyna-Gro Riverland had the highest average yield (104.1 bushels per acre) of 12 entries in fungicide split of the Early Variety Trial across Alexandria and Winnsboro in 2022 (Table 7). AGS 3022, Delta Grow 3500 and Pioneer 26R94 also had average yields in the fungicide split of greater than 100 bushels per acre. The average yield of 12 entries in the fungicide split was 97.5 bushels per acre. AGS 3022 had the lowest percent of FDK (19%) of released varieties whereas AGS 2055 had 45% FDK.

Two years

Five varieties have been evaluated in the early trials for two years (Table 8). AGS 3022 has the highest mean yield over five trials in the fungicide split (93.4 bushels per acre) and non-fungicide split (82.1 bushels per acre). The average yield was 89.1 and 76.5 bushels per acre, respectively for fungicide and non-fungicide splits. AGS 3022 and AGS 3015 showed the best FHB resistance.

Three years

Four varieties have been tested in the early trial for three years (Table 9). Differences among the four for yield were not significant. There are significant differences among them for test weight, stripe rust in yield plots and FDK and DON in the misted nursery.

Alexandria

The average yield of 12 entries in the early trial at Alexandria was 86.1 bushels per acre and 77.2 bushels per acre for the fungicide and non-fungicide splits (Table 10). Two applications of fungicide increased average yield by 8.9 bushels per acre and test weight by 1.3 pounds per bushel. AGS 3022 has the highest yield (101.9 bushels per acre) in the fungicide split, while Pioneer 26R94 had the highest yield in the non-fungicide split (85.2 bushels per acre).

The misted inoculated FHB nursery in Alexandria did a good job of separating resistant from susceptible varieties. FDK ranged from 13% to 48% and DON ranged from 3.9 ppm to 32.4 ppm. AGS 3022 had the lowest FDK and DON of released varieties.

Bossier City

Yields were somewhat lower at Bossier City with a mean of 64.5 bushels per acre (Table 11). The highest-yield variety was AGS 2055, which is included as a medium-late check in the early trial. There was no disease pressure and test weights were high.

Winnsboro

Yields in the early trial at Winnsboro were quite high, with means over 100 bushels per acre for the fungicide and non-fungicide splits (Table 12). Delta Grow 3500 had the highest yield in the fungicide split (117.8 bushels per acre) and Dyna-Gro Riverland had the highest yield in the non-fungicide split (112.0 bushels per acre). Fungicide application increased average yield by 4.2 bushels per acre and test weight by 1.7 pounds per bushel. The breeding line FL15105-LDH039 showed excellent FHB resistance with FDK of 8% and DON of 1.0 ppm.

Normal/Late Maturity North Region Means:

The breeding line ‘TX16DDH579’ had the highest yield across north Louisiana in the fungicide and non-fungicide splits (Table 13). The mean yield of 62 entries was 88.8 for the two fungicide protected trials and 79.7 for the four non-protected trials. Six additional entries had yields over 95 bushels per

acre in the fungicide split and ten entries yield over 85 bu/acre in the non-fungicide trials. Disease pressure was light with just a trace of stripe rust and a few entries damaged by bacterial streak, which probably occurred due to frost damage on leaves.

Fusarium in the inoculated, misted nursery was a little lower than in previous years with a mean rating of 2.3 (0-9 scale). Fusarium damaged kernels averaged 23% with a range of 2% to 63%. DON (mycotoxin concentration in the seed) data averaged 8.4 ppm with a range of 2.2 ppm to 35.7 ppm (Tables 13, 22).

Two years

The experimental line 'PGX 19-12' had the highest yield (92.4 bushels per acre) across north Louisiana for two years in the fungicide split (Table 14). Delta Grow 1200 and Agrimaxx 514 also had mean yields over 90 bushels per acre in the fungicide trials. The average yield of 36 entries was 84.8 bushels per acre with an average test weight of 56.1 pounds per bushel. Agrimaxx 492 had the highest yield in the non-fungicide split across seven trials over two years.

Ten entries had mean stripe rust ratings of 15% or greater, primarily from the 2021 trials. FDK (shriveled kernels) in the inoculated and misted FHB nursery ranged from 53% to 14% and there were significant differences among varieties. DON concentration ranged from 4.4 ppm to 24.2 ppm and FDK from 14 to 53% shriveled kernels.

Three years

For the fungicide split over three years (six trials) Progeny PGX 19-12 has the highest yield (Table 15) with a mean of 92.3 bushels per acre. Agrimaxx 492 had the highest mean yield (83.2 bushels per acre) in the non-fungicide split over 12 trials. The average yield of 25 entries in the fungicide and non-fungicide trials were 84.0 bushels per acre and 76.5 bushels per acre. Direct comparisons are not valid since the non-fungicide trials include more environments. Stripe rust severity was over 15% for eight of the entries. FDK ranged from 10% to 35% and DON from 3.6 ppm to 20.3 ppm.

Alexandria

Progeny Chad had the highest yield of 62 entries in the non-fungicide trial in Alexandria (Table 16) with a mean yield of 82.0 bushels per acre. AGS 3022, LA13235D-66-2, and GP 348 also had yields of 80 bushels per acre or greater. The mean yield of 62 entries was 70.6 bushels per acre and the mean test weight was 54.8 pounds per bushel.

The breeding line LA14234CBW-31 yielded 90.7 bushels per acre in the fungicide trial, followed by Agrimaxx 481, AGS 3022 and TX16DDH579 also with yields over 87 bushels per acre. Two applications of fungicide increased average yield by 6.2 bushels per acre and test weight by 2.3 pounds per bushel. Disease pressure was light at Alexandria although there was a little freeze damage and bacterial streak.

The average FDK in the misted inoculated FHB nursery was 28% with a range of 3% to 65%. DON ranged from 1.9 ppm to 63.7 ppm with a mean of 12.5 ppm.

Bossier City

TX16DHH579 had a yield of 110.6 bu/acre in the trial at Bossier City (Table 17). It also had the second-highest test weight (59.7 pounds per bushel). Agrimaxx 492 and Agrimaxx 481 also yielded over 100 bushels per acre. The average yield of 62 entries was 86.1 bushels per acre and the average test weight was 57.5 pounds per bushel. There was no disease pressure or lodging at Bossier City.

St. Joseph

A very large flock of migratory blackbirds ate a large proportion of emerging seedlings from the initial planting at St. Joseph. Three replications of the test were re-packaged and re-planted on Dec. 1. Yield ranged from 36.9 to 86.3 bushels per acre with a mean of 68.0 bushels per acre (Table 18). Agrimaxx 514, LA14261C-45-2, Delta Grow 1200 and USG 3783 had yields over 80 bushels per acre. The average test weight was 55.4 pounds per bushel with a range of 49.8

to 57.8 pounds per bushel. Heading date was delayed by the late planting but all entries properly vernalized and fully headed. Disease pressure was light with the exception of bacterial streak (Xanthomonas).

Winnsboro

The trial at Winnsboro produced excellent yields, with a high of 105.5 bushels per acre in the non-fungicide split and a high of 114.8 in the fungicide protected split (Table 19). LA13154D-WN1 had the highest yield in the non-fungicide split and TX16DDH579 had the highest yield with fungicide. The average yield was 92.1 and 101.0 bushels per acre, respectively.

Fungicide application at flag and heading increased yield by an average of 8.9 bushels per acre with a range of 34.5 to -3.7 bushels per acre. There was low disease pressure and the response does not appear to have been related to rust pressure or Fusarium headblight. The fungicide applications increased test weight by an average of 2.7 pounds per bushel.

The misted nursery at Winnsboro produced good data on reaction to Fusarium headblight. FHB visual rating ranged from 0 to 6.5 (0-9 scale). FDK (shriveled kernels) ranged from 2% to 60%.

Fusarium Headblight Screening Results:

Tables 20, 21 and 22 list the FHB reaction type of all entries tested for two or more years. Entries are classified as resistant, moderately resistant, moderately susceptible or susceptible based on the Fusarium headblight index value over two or three years.

FHB index is calculated as: 2 x (A + 2 x B + 3 x C) where:

A = FHB rating divided by the mean FHB rating.

B = FDK percent divided by the mean FDK percent

C = DON ppm divided by the mean DON ppm

The FHB Index gives more weight to DON since DON is the standard by which grain is judged at the elevator. FDK has a higher weight than FHB field rating but less than DON.

Table 20 has values for FHB, FDK and DON from the misted nursery in Baton Rouge containing all entries in the South Louisiana variety trial. FHB Index was not calculated since the misted nursery was lost in 2021.

Five of the entries in the north Louisiana early trial have only been tested for one year (Table 21). FHB index was calculated for the other seven entries and based on that index varieties were classified as resistant, moderately resistant, moderately susceptible or susceptible to FHB. We recommend that growers avoid susceptible varieties and try to select high-yielding moderately resistant or resistant varieties.

AGS 3015, AGS 3022 and Dyna-Gro Riverland are classified as moderately resistant. AGS 2055 is the only variety classified as susceptible in the trial.

Six entries are classified as resistant to FHB in the north normal trial (Table 22) and 14 are classified as moderately resistant so there are quite a few choices of good varieties containing a significant level of resistant to Fusarium headblight. Six entries are classified as susceptible and will likely have unacceptable levels of Fusarium in a year with frequent rains during heading.

Oat Performance Trials:

Across Louisiana

Oat yield trials were harvested at Alexandria, Baton Rouge, Bossier City and Winnsboro despite severe lodging at several locations. The performance of 22 entries across four locations in the statewide oat performance trial is presented in Table 23. Average yield in the trial was 78.1 bushels per acre and average test weight was 30.5 pounds per bushel. Yields were limited by severe crown rust and stem rust epidemics at Baton Rouge and Winnsboro. Lodging also contributed to decreased yield, high yield variability (CVs) and lower test weight.

All of the entries in the oat variety trial were developed by SunGrains® universities, which include LSU AgCenter, the University of Florida, North Carolina State and Texas A&M. LA10074SBSBSBSB109-2 had the mean highest yield (109.7 bushels per acre). FL1035-2 had the second-highest yield and an outstanding test weight (35.4 pounds per bushel).

Crown rust severity ranged from 0% to 61% and stem rust ranged from 0 to 40%. LA15015SB-S50 and Savage had the highest ratings for leafiness, which is a visual rating of forage potential. The average lodging rating (0-9 scale) was 22.3 and all entries showed significant lodging due to stem rust damage and thunderstorms.

Two years

LA1400SBS-43-1 has the highest yields across six trials over two years (Table 24) with a mean of 93.1 bushels per acre in addition to the highest test weight (32.1 pounds per bushel) and the lowest crown rust and stem rust severity. LA 99016 (RAM Oats) and Savage had the highest ratings for leafiness.

Alexandria

LA11074SBSBSBSB109-2 had the highest yield at Alexandria with a mean of 111.0 bushels per acre (Table 25). LA14063SBS-34-1-1 also yielded over 100 bushels per acre. FL720-R6 (Sweet Caroline) and LA 99016 were the highest-yielding commercial varieties. Crown and stem rust pressure were light at Alexandria, but severe lodging occurred prior to harvest. The average lodging rating was 8.4 on a 0-9 scale.

Baton Rouge

The oat trial at Baton Rouge produced good yields with a high of 124.7 bushels per acre, but some entries had very low yields and the mean yield was only 61.2 bushels per acre (Table 26). Crown rust and stem rust were severe at Baton Rouge and contributed to low yields of many entries. FL1035-2 had the highest yield and the highest test weight. Savage was the highest-yielding commercial variety (84.0 bushels per acre) and also had a very good leafiness rating. Lodging was not a problem at Baton Rouge for most entries despite very high incidence of crown rust and stem rust. The rust diseases developed fairly late in the growing season and harvest was completed before storms had the opportunity to cause lodging.

Bossier City

The mean yield of 22 entries at Bossier City was 100.7 bushels per acre with a range of 59.5 to 129.4 bushels per acre (Table 27). Test weights were also good with a mean of 33.2 pounds per bushel and a high of 37.4 pounds per bushel. Horizon 270 had the highest yield and above average test weight. There was minimal disease pressure and significant lodging.

Winnsboro

The trial at Winnsboro was very pretty for most of the season. The trial followed corn and there was probably excess residual nitrogen that resulted in dense, lush growth. Lodging is not reported because all plots were 100% lodged at the time of harvest. Lodging resulted from excess growth, freeze damage during the winter, damage from stem rust, and thunderstorms just prior to harvest.

The severe lodging contributed to a high CV for yield because plots were laying in all directions and the combine could not always separate or fully harvest the lodged plants (Table 28). LA15015SB-S50 had the highest yield (99.8 bushels per acre) and the second-highest test weight (34.1 pounds per bushel). It also had a very good stem rust rating (2%). TAMO 412 and Horizon 306 were the highest-yielding commercial varieties and also had above average test weights.

While crown rust was much lighter at Winnsboro than in Baton Rouge, stem rust incidence was very high with a mean of 20% and a high of 70%. Freeze damage resulting from a large drop to well below freezing after a prolonged very warm period in mid-January killed plants and tillers in some entries. Some of these re-tillered from below ground and came back reasonably well, while others suffered significant stand loss. A freeze damage of 3 or less is superficial leaf damage, while a rating over 4.0 indicates death of above-ground tillers.

Table 1. Wheat performance trial across South Louisiana for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery DON (ppm)	Misted Nursery Seed Quality (0-9)
DYNA-GRO PLANTATION	**87.7**	**57.1**	**92.2**	**31.7**	**5.8**	**7.0**	**35.0**	**10.1**	**3.0**
TX16DDH579	86.4	57.5	90.9	32.9	6.5	6.0	52.5	26.7	2.0
AGS 3022	**86.4**	**56.5**	**89.9**	**29.8**	**4.8**	**3.5**	**27.5**	**8.1**	3.5
AGRIMAXX 481	**85.9**	**56.9**	**92.5**	**31.8**	**5.5**	**5.0**	**40.0**	**7.2**	3.0
DELTA GROW 3500	**85.5**	**56.9**	**94.0**	**31.8**	**5.3**	**7.0**	**47.5**	**19.3**	2.5
PIONEER 26R94	**85.5**	**57.4**	**87.5**	**34.0**	**5.8**	**6.5**	**35.0**	**31.2**	2.0
DYNA-GRO RIVERLAND	**84.6**	**57.4**	**87.7**	**34.0**	**6.0**	**7.0**	**40.0**	**12.2**	3.0
GO WHEAT 6000	**83.0**	**54.3**	**89.5**	**30.9**	**6.8**	**5.5**	**40.0**	**12.6**	3.0
GA 121012-19LE8	82.4	55.8	93.0	34.7	5.3	6.0	37.5	12.2	3.0
LA14234CBW-31	82.3	56.2	90.5	31.9	6.3	3.0	20.0	10.1	4.0
FL16009LDH-16	82.3	51.8	82.5	30.7	6.8	6.0	52.5	14.5	2.0
PROGENY #CHAD	**81.6**	**53.9**	**94.9**	**29.0**	**5.3**	**2.5**	**20.0**	**12.1**	2.5
REVERE 2026	**81.4**	**55.4**	**87.6**	**32.1**	**6.0**	**8.5**	**65.0**	**31.5**	3.5
LA14159SB-BR1-1	81.2	56.3	89.1	34.0	6.8	4.5	37.5	10.9	3.0
LA13235D-66-3	81.2	56.9	92.5	32.4	5.8	4.5	35.0	6.3	3.0
FL16045LDH-25	81.1	58.2	93.7	30.1	5.3	5.0	20.0	6.4	3.0
VA17W-75	80.9	55.6	88.1	31.3	6.8	2.0	5.0	2.6	5.0
AGS 2021	**80.9**	**57.8**	**88.4**	**34.3**	**5.8**	**7.5**	**45.0**	**15.3**	3.0
AGS 4043	**80.8**	**56.7**	**95.0**	**29.3**	**4.8**	**1.5**	**7.5**	**9.1**	5.0
AGS 3015	**80.5**	**56.7**	**89.5**	**31.7**	**5.3**	**5.0**	**22.5**	**6.6**	4.0
LA15093SB-30-2	79.8	55.6	86.8	35.0	5.8	3.0	15.0	3.0	3.5
FL15105-LDH039	79.7	58.2	89.3	30.4	5.8	2.0	10.0	2.3	4.5
LA14188C-68-1	78.9	58.7	82.9	33.7	6.3	2.5	3.0	1.3	5.0
LA13154D-WN1	78.8	52.6	87.4	32.4	5.8	6.5	35.0	12.0	3.0
LA12275DH-56	78.8	57.4	98.7	34.9	5.3	5.0	35.0	7.7	2.5
AGS 2055	**78.0**	**54.3**	**97.9**	**32.0**	**5.3**	**6.5**	**70.0**	**67.5**	1.5
GA 151313-LDH224-19E38	77.7	56.4	95.8	30.6	5.5	2.5	10.0	3.0	5.0
LA14269C-9-3	77.6	55.9	93.8	30.3	5.8	1.5	17.5	5.0	3.0
LA14152SB-BR52-3	77.3	58.1	83.3	34.2	5.8	4.5	22.5	9.3	3.0
LA14261C-45-2	76.9	55.2	96.5	31.1	5.0	3.5	20.0	7.2	3.5

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery DON (ppm)	Misted Nursery Seed Quality (0-9)
GO WHEAT LA754	**76.9**	**54.1**	**94.9**	**32.9**	**6.0**	**6.5**	**50.0**	**13.7**	**3.0**
LIBERTY 5658	**76.6**	**56.5**	**95.0**	**32.4**	**5.3**	**1.5**	**15.0**	**4.0**	**5.5**
GA 151254-LDH071-19E32	75.9	**55.1**	96.0	31.9	5.3	4.5	45.0	21.7	2.0
DELTA GROW 1800	**75.3**	**56.5**	**97.5**	**36.0**	**4.8**	**1.5**	**12.5**	**3.8**	3.5
LA14188CBB-4	73.0	56.3	80.1	32.5	6.0	4.5	15.0	6.5	4.0
LA15203-LDH274	71.2	56.1	77.4	31.9	6.5	4.5	20.0	6.3	4.0
AGS 4023	**70.8**	**57.0**	**100.6**	**32.1**	**4.3**	**4.5**	**37.5**	**5.2**	**2.5**
GA 111055-19LE12	70.2	52.9	100.3	31.7	5.3	5.0	52.5	34.1	1.5
LANC11558-33	70.1	54.1	93.7	29.7	5.5	2.0	12.5	3.0	3.0
AR09137UC-17-2	69.3	51.4	97.7	31.0	5.0	3.5	20.0	3.6	2.0
AGRIMAXX 492	**69.3**	**52.8**	**96.6**	**31.0**	**6.0**	**2.0**	**30.0**	**12.4**	3.5
TX17D2337	65.7	53.0	100.2	30.1	4.0	3.5	22.5	7.2	2.5
DYNA-GRO WX20738	62.6	51.8	97.7	31.3	5.0	late	10.0	2.5	5.5
GANC 12642-19LE16F	62.4	52.3	102.2	33.3	4.0	2.0	15.0	7.8	3.0
LA15166-LDH296	56.4	46.7	104.7	30.4	3.5	late	3.0	2.1	3.5
LA15203-LDH112	53.2	49.5	104.1	31.2	3.8	late	7.5	2.5	3.5
GA 11052-19LE15	52.9	50.6	104.0	31.5	3.8	late	17.5	6.8	3.0
DYNA-GRO 9002	**52.9**	**47.1**	**104.3**	**31.5**	**4.3**	**late**	**5.5**	**1.4**	6.0
MEAN	**76.1**	**55.1**	**93.1**	**32.0**	**5.4**	**4.4**	**27.5**	**10.5**	**4.4**
CV%	**8**	**3**	**1**	**4**	**9**	**15**	**32**	**59**	**15**
LSD(0.10)	**12.6**	**3.9**	**3.8**	**1.7**	**1.1**	**1.1**	**15.0**	**10.4**	**1.1**
R-SQUARE						**1.0**	**0.9**	**0.9**	

Contains data from Baton Rouge, Crowley and Jeanerette in 2022.
***Bold:** "Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
***Lod score** is lodging score, scale of 0 = none to 9 = completely lodged.*
***NS** indicates that variety mean differences were not statistically significant.*

Table 2. Wheat performance trial across South Louisiana for two years.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Heading Day (of year)	Plant Height (inches)	Phenotype (0-9)
AGS 3022	**83.8**	**56.1**	**87.8**	**28.6**	**4.8**
AGRIMAXX 481	**82.9**	**56.7**	**91.1**	**30.8**	**5.5**
DYNA-GRO PLANTATION	**82.4**	**56.8**	**90.8**	**30.5**	**5.8**
PIONEER 26R94	**82.2**	**56.9**	**87.8**	**33.2**	**5.8**
DELTA GROW 3500	**82.1**	**56.5**	**92.1**	**30.1**	**5.3**
GA15VDH-FHB-MAS23-18LE	81.0	56.9	94.6	28.3	4.8
DYNA-GRO RIVERLAND	**80.4**	**56.8**	**87.3**	**32.7**	**6.0**
GO WHEAT 6000	**80.3**	**54.3**	**89.3**	**30.5**	**6.8**
LA13154D-WN1	79.6	52.9	87.8	31.8	5.8
LA12275DH-56	77.6	57.5	97.6	33.9	5.3
AGS 2055	**76.5**	**54.4**	**98.7**	**31.3**	**5.3**
AGS 3015	**75.1**	**56.3**	**88.5**	**30.7**	**5.3**
GO WHEAT LA754	**74.8**	**53.4**	**93.1**	**31.4**	**6.0**
DELTA GROW 1800	**74.4**	**56.9**	**96.5**	**34.4**	**4.8**
AR09137UC-17-2	73.3	52.6	97.7	31.1	5.0
LIBERTY 5658	72.8	56.5	95.1	31.3	5.3
AGRIMAXX 492	**72.4**	**54.1**	**96.9**	**30.4**	**6.0**
LA15203-LDH274	72.0	55.6	79.1	31.0	6.5
LANC11558-33	71.6	54.8	93.0	28.5	5.5
GA12505B14-18LE23F	69.6	57.2	100.5	31.4	4.3
DYNA-GRO WX20738	64.8	52.5	97.8	31.1	5.0
LA15166-LDH296	57.3	48.6	106.1	30.0	3.5
LA15203-LDH112	54.8	50.9	105.7	30.5	3.8
MEAN	**74.9**	**55.0**	**93.7**	**31.0**	**5.3**
CV%	**10**	**3**	**1**	**4**	**9**
LSD(0.10)	**12.5**	**3.8**	**3.4**	**1.5**	**1.0**
R-SQUARE	**0.81**	**0.86**	**0.99**	**0.87**	**0.88**

Contains data from Baton Rouge, Crowley and Jeanerette in 2022 and Jeanerette in 2021.
***Bold:** "Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
***Lod score** is lodging score, scale of 0 = none to 9 = completely lodged.*
***NS** indicates that variety mean differences were not statistically significant.*

Table 3. Wheat performance trial across South Louisiana for three years.

Brand/Variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Heading Day (of year)	Plant Height (inches)	Phenotype (0-9)
DELTA GROW 3500	**64.7**	**56.1**	**90.0**	**30.6**	**5.3**
PIONEER 26R94	**64.6**	**55.8**	**84.4**	**32.5**	**5.8**
DYNA-GRO PLANTATION	**64.5**	**56.1**	**88.2**	**30.1**	**5.8**
AGRIMAXX 481	**63.6**	**56.0**	**87.2**	**30.2**	**5.5**
DYNA-GRO RIVERLAND	**63.5**	**55.1**	**81.7**	**32.6**	**6.0**
LA13154D-WN1	63.4	52.8	83.2	31.2	5.8
AGS 2055	**62.4**	**53.6**	**91.3**	**30.8**	**5.3**
GO WHEAT 6000	**61.7**	**52.2**	**88.6**	**30.3**	**6.8**
LA12275DH-56	60.8	56.9	92.8	32.2	5.3
DELTA GROW 1800	**60.1**	**55.7**	**91.1**	**32.9**	**4.8**
GO WHEAT LA754	**59.5**	**52.9**	**88.5**	**30.8**	**6.0**
AR09137UC-17-2	58.6	52.6	93.4	31.0	5.0
AGS 3015	**58.6**	**55.3**	**85.5**	**30.5**	**5.3**
LIBERTY 5658	**57.6**	**55.7**	**91.3**	**29.7**	**5.3**
AGRIMAXX 492	**57.1**	**53.6**	**92.6**	**29.0**	**6.0**
LANC11558-33	56.3	53.9	87.9	29.0	5.5
LA15203-LDH112	44.3	49.0	100.0	29.9	3.8
MEAN	**60.1**	**54.3**	**89.3**	**30.8**	**5.5**
CV%	**11**	**4**	**3**	**5**	**9**
LSD(0.10)	**8.8**	**3.2**	**4.5**	**1.6**	**1.2**
R-SQUARE	**0.95**	**0.89**	**0.96**	**0.88**	**0.85**

Contains data from Baton Rouge, Crowley and Jeanerette in 2022; Jeanerette in 2021; and Crowley and Jeanerette in 2020.
***Bold:** "Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
***Lod score** is lodging score, scale of 0 = none to 9 = completely lodged.*
***NS** indicates that variety mean differences were not statistically significant.*

Table 4. Wheat performance trial at Baton Rouge, Louisiana, for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)	Misted Nursery FHB ScoreScore	Misted Nursery FDK%	Misted Nursery DON (ppm) DON	Misted Nursery Seed Quality (0-9)
FL16045LDH-25	81.8	57.9	5.5	93.0	35.5	6.0	5.0	20.0	6.4	3.0
LA14234CBW-31	81.6	57.1	4.5	91.3	34.0	6.0	3.0	20.0	10.1	4.0
LA12275DH-56	81.5	58.0	5.5	96.7	40.0	7.0	5.0	35.0	7.7	2.5
AGRIMAXX 492	**81.3**	**55.9**	**6.0**	**96.0**	**34.5**	**6.5**	**2.0**	**30.0**	**12.4**	**3.5**
AGS 2055	**80.5**	**55.3**	**6.0**	**97.7**	**35.0**	**5.5**	**6.5**	**70.0**	**67.5**	**1.5**
AGRIMAXX 481	**80.5**	**56.9**	**4.0**	**93.0**	**36.0**	**6.0**	**5.0**	**40.0**	**7.2**	**3.0**
DELTA GROW 3500	**80.0**	**56.6**	**4.0**	**93.0**	**35.0**	**6.5**	**7.0**	**47.5**	**19.3**	**2.5**
DYNA-GRO PLANTATION	**79.8**	**56.6**	**4.0**	**93.0**	**35.0**	**6.0**	**7.0**	**35.0**	**10.1**	**3.0**
AGS 4043	**79.2**	**56.0**	**5.5**	**94.3**	**31.0**	**6.0**	**1.5**	**7.5**	**9.1**	**5.0**
LIBERTY 5658	**78.7**	**58.6**	**6.0**	**94.3**	**34.5**	**5.5**	**1.5**	**15.0**	**4.0**	**5.5**
LA13235D-66-3	78.4	56.5	5.0	93.0	37.5	6.0	4.5	35.0	6.3	3.0
LA14261C-45-2	78.3	55.9	6.0	94.3	36.0	7.0	3.5	20.0	7.2	3.5
GO WHEAT 6000	**78.1**	**55.2**	**4.5**	**89.7**	**36.0**	**7.0**	**5.5**	**40.0**	**12.6**	**3.0**
AGS 3022	**77.8**	**55.6**	**4.5**	**90.0**	**34.0**	**5.5**	**3.5**	**27.5**	**8.1**	**3.5**
GA 121012-19LE8	77.4	56.2	4.0	93.0	39.0	6.0	6.0	37.5	12.2	3.0
AGS 4023	**77.2**	**57.8**	**5.5**	**98.0**	**36.5**	**6.0**	**4.5**	**37.5**	**5.2**	**2.5**
LA14188CBB-4	76.8	57.0	4.5	81.0	34.0	5.5	4.5	15.0	6.5	4.0
TX16DDH579	76.2	57.1	4.0	91.0	37.5	7.0	6.0	52.5	26.7	2.0
DYNA-GRO WX20738	75.8	55.5	5.0	97.0	35.0	6.5	too late	10.0	2.5	5.5
PROGENY #CHAD	**75.8**	**54.1**	**6.5**	**93.3**	**31.5**	**6.0**	**2.5**	**20.0**	**12.1**	**3.5**
GA 151254-LDH071-19E32	75.8	54.6	5.5	93.3	**34.5**	**5.5**	4.5	45.0	21.7	2.0
PIONEER 26R94	**75.8**	**57.6**	**4.0**	**89.3**	**38.5**	**5.5**	**6.5**	**35.0**	**31.2**	**2.5**
FL15105-LDH039	75.2	57.6	5.5	89.3	34.5	6.5	2.0	10.0	2.3	4.5
GA 151313-LDH224-19E38	74.8	56.5	5.0	95.3	**36.0**	**5.5**	2.5	10.0	3.0	5.0
GA 111055-19LE12	74.4	56.5	5.5	98.3	35.0	6.0	5.0	52.5	34.1	1.5
LA14152SB-BR52-3	74.0	57.8	3.0	86.0	36.5	6.0	4.5	22.5	9.3	3.0
GO WHEAT LA754	**73.8**	**53.5**	**5.0**	**94.7**	**36.0**	**6.0**	**6.5**	**50.0**	**13.7**	**3.0**
AGS 3015	**73.7**	**56.5**	**5.0**	**91.0**	**36.0**	**6.0**	**5.0**	**22.5**	**6.6**	**4.0**
AGS 2021	**73.4**	**57.5**	**4.0**	**89.3**	**38.5**	**5.5**	**7.5**	**45.0**	**15.3**	**3.0**
LA13154D-WN1	73.3	54.1	4.5	88.3	35.5	5.5	6.5	35.0	12.0	3.0

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)	Misted Nursery FHB ScoreScore	Misted Nursery FDK%	Misted Nursery DON (ppm) DON	Misted Nursery Seed Quality (0-9)
VA17W-75	73.2	54.9	5.5	89.0	33.5	6.0	2.0	5.0	2.6	5.0
DELTA GROW 1800	**73.1**	**57.1**	**5.0**	**96.0**	**39.0**	**6.5**	**1.5**	**12.5**	**3.8**	**3.5**
REVERE 2026	**72.7**	**55.8**	**4.0**	**88.0**	**36.0**	**5.5**	**8.5**	**65.0**	**4.0**	**2.0**
AR09137UC-17-2	72.3	55.3	5.5	97.3	34.0	7.0	3.5	20.0	3.6	2.0
LANC11558-33	72.0	56.4	6.0	93.7	**32.5**	**5.5**	2.0	12.5	3.0	3.0
LA14159SB-BR1-1	71.5	56.0	4.5	88.7	**36.0**	**6.0**	4.5	37.5	10.9	3.0
LA14269C-9-3	71.1	55.4	5.0	93.0	33.5	5.5	1.5	17.5	5.0	3.0
FL16009LDH-16	70.8	50.8	3.0	85.7	35.0	4.5	6.0	52.5	14.5	2.0
DYNA-GRO RIVERLAND	**70.5**	**56.6**	**4.0**	**89.7**	**38.0**	**6.0**	**7.0**	**40.0**	**12.2**	**3.0**
DYNA-GRO 9002	**69.8**	**54.2**	**6.5**	**100.7**	**36.5**	**6.5**	too late	**5.5**	**1.4**	**6.0**
LA14188C-68-1	69.5	58.3	4.0	84.7	37.5	5.5	2.5	3.0	1.3	5.0
TX17D2337	69.2	55.0	6.0	97.0	35.0	6.0	3.5	22.5	7.2	2.5
LA15093SB-30-2	68.4	55.0	4.0	86.0	36.5	5.0	3.0	15.0	3.0	3.5
LA15203-LDH274	65.2	55.0	3.0	80.0	37.0	6.5	4.5	20.0	6.3	4.0
GA 11052-19LE15	64.8	56.3	5.5	101.7	34.5	6.0	too late	17.5	6.8	3.0
LA15203-LDH112	64.2	55.6	6.0	103.3	**33.5**	**6.0**	too late	7.5	2.5	3.5
GANC 12642-19LE16F	64.1	55.1	5.5	100.0	**38.0**	**4.5**	2.0	15.0	7.8	3.0
LA15166-LDH296	63.1	53.3	7.0	102.7	33.5	5.0	too late	3.0	2.1	3.5
MEAN	**74.4**	**55.9**	**5.0**	**92.8**	**35.6**	**5.9**	**4.4**	**27.5**	**10.5**	**3.3**
CV%	**4.8**	**2.1**	**7.7**	**0.7**	**3.3**	**9.2**	**14.5**	**32.0**	**58.6**	**20.3**
LSD(0.10)	**4.2**	**1.4**	**0.6**	**0.9**	**2.0**	**0.9**	**1.1**	**15.0**	**10.4**	**1.1**
R-SQUARE	**0.71**	**0.67**	**0.93**	**0.66**	**0.84**	**0.71**	**0.95**	**0.89**	**0.87**	**0.84**

Central Station Ben Hur farm in Baton Rouge, Louisiana. Stephen Harrison, Chris Roider, Kelly Arceneaux, Katie Fontenot, Allysson Harding and Hannamareddy Biradar.
***Lod score** is lodging score, scale of 0 = none to 9 = 100% lodged.*
***Bold:** "Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
***Phenotype** is a visual appeal rating with a higher score indicating a prettier plot.*
***Misted nursery:** Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
***FHB score**: FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
***FDK** is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
***DON** is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
***Cultural practices:** Planted 11/15/21. Harvested 5/18/22.*

Table 5. Wheat performance trial at Crowley, Louisiana, for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)
DYNA-GRO RIVERLAND	**100.8**	**56.7**	**78.0**	**35.5**	**6.0**
PIONEER 26R94	**98.7**	**56.9**	**77.8**	**35.3**	**6.0**
TX16DDH579	98.5	57.6	81.5	34.5	7.0
GO WHEAT 6000	**97.1**	**54.4**	**77.8**	**31.8**	**7.0**
LA15093SB-30-2	96.5	55.7	76.0	35.0	6.5
DELTA GROW 3500	**96.2**	**56.8**	**86.3**	**33.8**	**5.0**
AGS 3022	**95.9**	**56.6**	**83.8**	**31.5**	**5.0**
AGRIMAXX 481	**94.9**	**56.4**	**86.5**	**33.8**	**5.0**
AGS 2021	**94.1**	**57.6**	**78.0**	**36.3**	**6.5**
FL16009LDH-16	93.9	51.8	66.8	32.0	7.0
GA 121012-19LE8	93.1	55.0	83.5	36.8	5.0
DYNA-GRO PLANTATION	**93.0**	**56.5**	**85.8**	**33.8**	**5.5**
AGS 3015	**91.8**	**56.5**	**82.0**	**33.3**	**5.5**
LA13154D-WN1	89.1	52.6	77.0	33.5	5.5
LA14159SB-BR1-1	88.8	55.9	82.5	36.0	7.0
LA14152SB-BR52-3	88.0	57.7	68.5	35.8	6.5
REVERE 2026	**87.9**	**54.3**	**79.0**	**33.0**	**5.5**
VA17W-75	87.7	55.6	80.0	33.5	7.0
LA13235D-66-3	87.1	56.8	85.3	35.0	6.0
AGS 4043	**85.8**	**56.9**	**88.0**	**31.5**	**4.5**
PROGENY #CHAD	**85.1**	**53.0**	**89.5**	**31.3**	**5.0**
LA14188C-68-1	84.6	58.5	70.5	35.0	6.5
LA12275DH-56	84.5	56.9	94.0	36.8	5.5
AGS 2055	**83.8**	**53.7**	**91.0**	**34.0**	**5.0**
FL16045LDH-25	83.4	58.3	87.0	32.5	4.5
LA14269C-9-3	83.1	55.1	86.8	31.8	6.0
GA 151313-LDH224-19E38	81.5	56.3	89.0	32.3	5.5
LA14188CBB-4	81.1	55.5	66.0	34.3	6.0
FL15105-LDH039	80.9	58.2	82.5	30.5	5.0
AR09137UC-17-2	80.9	53.9	87.3	31.0	6.5
LA14234CBW-31	80.6	54.2	77.3	34.0	6.0
LA15203-LDH274	79.9	56.3	63.8	32.3	6.5

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)
GO WHEAT LA754	**79.6**	**53.8**	**89.0**	**34.8**	**6.0**
GA 151254-LDH071-19E32	76.8	54.5	89.0	32.8	5.0
LIBERTY 5658	**76.5**	**54.2**	**89.0**	**34.5**	**5.0**
DELTA GROW 1800	**75.9**	**55.5**	**91.3**	**36.3**	**5.0**
LA15203-LDH112	75.6	54.2	92.3	32.5	4.5
LA14261C-45-2	74.0	52.7	89.8	32.0	5.0
GANC 12642-19LE16F	71.6	54.2	91.0	35.0	5.0
GA 111055-19LE12	70.4	52.1	94.0	33.3	4.0
AGS 4023	**68.6**	**56.8**	**95.3**	**33.5**	**4.0**
TX17D2337	68.0	54.1	94.8	31.0	4.0
LA15166-LDH296	63.3	46.5	96.0	32.3	4.0
LANC11558-33	52.3	44.7	86.5	31.3	5.5
GA 11052-19LE15	51.6	49.8	97.0	33.8	4.0
DYNA-GRO 9002	**48.2**	**42.5**	**96.3**	**33.3**	**4.0**
AGRIMAXX 492	**48.2**	**42.2**	**88.8**	**32.5**	**6.0**
DYNA-GRO WX20738	42.7	41.0	91.0	32.3	5.5
MEAN	**81.2**	**54.5**	**84.6**	**33.5**	**5.5**
CV%	**4.7**	**1.6**	**0.2**	**4.2**	**8**
LSD(0.10)	**4.6**	**1.1**	**1.6**	**1.7**	**0.7**
R-SQUARE	**0.95**	**0.96**	**0.99**	**0.66**	**0.9**

Rice Research Station in Crowley, Louisiana. Manoch Kongchum, James Leonards, Jacob Fluitt and Boyd Padgett.
***Bold:** "Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
***Lod score** is lodging score, scale of 0 = none to 9 = 100% lodged.*
***Phenotype** is a visual appeal rating with a higher score indicating a prettier plot.*
***Cultural practices:** Planted 11/10/21. Harvested 5/12/22. 50# N as liquid UAN in mid January and mid February. Zidau + 2 oz/acre metribuzin herbicide in December.*

Table 6. Wheat performance trial at Jeanerette, Louisiana, for 2022.

Brand/Variety	Note	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)
DYNA-GRO PLANTATION		**90.3**	**58.2**	**98.0**	**29.0**	**6.0**
AGS 3022		**85.4**	**57.1**	**96.0**	**27.4**	**4.5**
LA14234CBW-31		84.9	57.4	103.0	29.1	6.5
TX16DDH579		84.6	57.8	100.3	30.8	6.0
PROGENY #CHAD		**83.8**	**54.7**	**101.5**	**25.9**	**5.5**
REVERE 2026		**83.7**	**56.3**	**96.0**	**30.9**	**6.5**
LA14159SB-BR1-1		83.3	57.0	96.0	31.4	6.5
FL15105-LDH039		83.1	58.9	96.0	30.2	6.5
LA14188C-68-1		82.7	59.3	94.0	32.0	6.0
DYNA-GRO RIVERLAND		**82.6**	**58.9**	**96.0**	**32.1**	**6.0**
VA17W-75		82.3	56.7	98.0	28.4	6.5
AGRIMAXX 481		**82.2**	**57.3**	**98.0**	**29.2**	**6.0**
FL16009LDH-16		82.2	52.8	96.0	28.9	6.5
PIONEER 26R94		**81.9**	**57.8**	**96.0**	**32.3**	**5.5**
LANC11558-33		81.6	56.6	101.0	27.6	5.5
DELTA GROW 3500		**80.2**	**57.3**	**102.5**	**29.1**	**5.5**
AGS 3015		**78.8**	**57.1**	**96.0**	**29.6**	**5.0**
LA14269C-9-3		78.6	57.1	101.5	28.3	5.5
LA14261C-45-2		78.4	56.9	105.0	30.0	5.0
AGRIMAXX 492		**78.3**	**57.5**	**105.0**	**29.1**	**6.0**
FL16045LDH-25		78.1	58.4	101.0	26.9	6.0
LA13235D-66-3		77.9	57.5	99.5	29.0	5.5
GA15VDH-FHB-MAS23-18LE43F		77.5	57.3	102.5	26.3	5.0
GO WHEAT LA754		**77.4**	**55.0**	**101.0**	**30.4**	**6.0**
DELTA GROW 1800		**76.9**	**57.1**	**105.0**	**35.8**	**4.5**
GA 151313-LDH224-19E38		76.8	56.4	103.0	28.3	5.5
GA 121012-19LE8		76.7	56.1	102.5	31.9	5.5
GA 151254-LDH071-19E32		75.2	56.1	105.0	30.8	5.5
AGS 2021		**75.1**	**58.3**	**98.0**	**31.7**	**5.0**
LIBERTY 5658		**74.6**	**56.8**	**101.5**	**29.6**	**5.5**
LA15093SB-30-2		74.5	56.2	98.3	34.9	5.0
LA13154D-WN1		74.1	51.1	97.0	30.9	6.0

Brand/Variety	Note	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Phenotype (0-9)
GO WHEAT 6000		**73.7**	**53.2**	**101.0**	**29.7**	**6.5**
LA12275DH-56		70.5	57.5	105.0	32.3	5.0
LA14152SB-BR52-3		69.8	59.0	96.0	32.1	5.0
AGS 2055		**69.8**	**54.0**	**105.0**	**29.2**	**5.5**
DYNA-GRO WX20738		69.3	53.5	105.0	30.0	4.5
LA15203-LDH274		68.4	57.0	89.0	31.3	6.5
GA12505B14-18LE23F		66.7	56.4	108.0	30.3	4.5
GA 111055-19LE12		65.8	50.2	108.0	29.6	6.5
LA14188CBB-4		61.1	56.6	93.5	30.2	6.0
TX17D2337	PV	60.0	49.7	108.0	28.9	4.0
AR09137UC-17-2	PV	54.9	45.1	108.5	30.9	3.5
GANC 12642-19LE16F	PV	53.8	48.1	115.0	31.0	3.0
LA15166-LDH296	PV	42.7	40.4	115.0	27.9	3.0
GA 11052-19LE15	PV	42.5	45.6	112.8	28.4	3.5
DYNA-GRO 9002	**PV**	**40.6**	**43.6**	**115.0**	**29.2**	**4.5**
LA15203-LDH112	PV	19.9	38.6	116.5	29.4	3.0
MEAN		**72.7**	**54.7**	**101.9**	**30.0**	**5.3**
CV%		**12.2**	**4.0**	**0.9**	**3.3**	**11**
LSD(0.10)		**10.4**	**2.6**	**1.1**	**1.4**	**1.0**
R-SQUARE		**0.78**	**0.87**	**0.98**	**0.85**	**0.87**

Iberia Research Station in Jeanerette, Louisiana. Gregory Williams and Boyd Padgett.
***Bold:** 'Brand/Variety' indicates the entry is commercially available; others are nonreleased breeding lines.*
***Lod score** is lodging score, scale of 0 = none to 9 = 100% lodged.*
***Phenotype** is a visual appeal rating with a higher score indicating a prettier plot.*
***Note:** PV indicates that the entry did not receive adequate venalization (cold requirement) and only partially vernalized resulting in sparse and late heading.*
***Cultural practices:** Planted 11/19/21. Harvested 5/17/22. Baldwin silty clay loam. 50#N as Urea on 1/31/2022 and 2/3/2022.*
*0.5 oz/acre Finesse and 3 oz/acre Metribuzin on 12/19/2021. **No disease pressure.***

Table 7. Early maturity wheat performance trial across North Louisiana for 2022. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung*	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant Height (inches) No Fung	Lodging (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%) Fung	Stripe Rust (%) No Fung	Bacterial Streak (0-9)	FHB (0-9)	Phenotype (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery FHB (0-9)
DELTA GROW 3500	**103.1**	**85.2**	**58.1**	**57.2**	**100.0**	**103.9**	**37.4**	**38.3**	**0.3**	**1.3**	**0**	**2**	**0.2**	**2.7**	**5.7**	**3.1**	**39**	**10.5**	**3.0**
PIONEER 26R94	**101.5**	**84.0**	**57.8**	**57.2**	**87.2**	**94.3**	**37.8**	**40.5**	**0.0**	**0.0**	**0**	**2**	**3.0**	**3.3**	**5.5**	**5.4**	**29**	**10.6**	**3.5**
AGS 3022	**103.4**	**84.0**	**56.5**	**56.8**	**93.0**	**97.9**	**37.4**	**35.5**	**0.0**	**0.3**	**0**	**1**	**0.8**	**2.7**	**6.0**	**1.8**	**19**	**5.4**	**3.8**
DYNA-GRO RIVERLAND	**104.1**	**83.0**	**57.9**	**56.7**	**89.6**	**98.1**	**39.4**	**39.8**	**0.3**	**0.0**	**1**	**4**	**1.8**	**3.3**	**6.0**	**4.6**	**35**	**12.9**	**3.0**
AGS 3015	**93.0**	**81.8**	**57.1**	**56.1**	**93.0**	**99.0**	**39.6**	**39.3**	**0.7**	**1.0**	**0**	**2**	**2.2**	**3.0**	**6.0**	**2.0**	**19**	**4.0**	**3.8**
DYNA-GRO PLANTATION	**97.2**	**80.0**	**57.8**	**57.1**	**97.8**	**103.7**	**37.1**	**37.3**	**0.3**	**0.0**	**0**	**2**	**0.0**	**2.3**	**6.0**	**3.6**	**34**	**17.2**	**3.8**
LA14159SB-BR1-1	97.9	79.9	57.2	57.0	89.4	97.3	37.8	40.5	0.0	1.0	0	1	1.2	1.7	6.7	3.0	21	4.9	4.0
FL16045LDH-25	95.3	78.4	58.0	57.6	95.4	101.4	35.6	36.5	0.0	0.7	0	3	1.3	3.3	5.5	2.6	20	6.1	3.0
AGS 2055	**97.9**	**78.3**	**55.2**	**54.4**	**103.2**	**107.1**	**37.6**	**37.3**	**0.0**	**0.3**	**0**	**1**	**0.0**	**1.3**	**6.0**	**2.5**	**45**	**19.7**	**2.5**
LA14152SB-BR52-3	95.8	77.3	58.0	58.0	85.0	94.6	38.3	38.8	0.0	2.3	0	1	4.0	2.0	6.3	2.5	19	4.3	3.8
FL15105-LDH039	88.9	76.9	57.7	57.8	92.8	98.1	34.8	36.5	0.3	0.0	0	0	1.3	1.3	5.7	1.3	10	2.4	4.0
FL16009LDH-16	92.3	75.9	51.5	51.7	87.6	94.4	37.1	37.5	0.0	1.0	4	12	4.5	1.7	6.7	3.0	23	4.0	3.5
MEAN	**97.5**	**80.4**	**56.9**	**56.4**	**92.8**	**99.2**	**37.5**	**38.1**	**0.2**	**0.7**	**1**	**2**	**1.7**	**2.4**	**6.0**	**3.0**	**26**	**8.5**	**3.5**
CV%	**7**	**9**	**1**	**1**	**3**											**29**	**29**	**29**	**14**
LSD(0.10)	**9.0**	**5.9**	**0.9**	**0.6**	**6.0**											**2.0**	**11.8**	**11.1**	**1.0**
R-SQUARE	**0.87**	**0.89**	**0.91**	**0.95**	**0.95**											**0.86**	**0.86**	**0.96**	**0.89**

**fung:* *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
***LOD**: Lodging score on a scale of 0 = none to 9 = 100% lodged.*
***Phenotpye:** Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
***FHB score:** FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
***FDK** is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
***DON** data is not completed yet. DON is Deoxynivalenol toxin concentration.*
***Seed quality (SDQ):** Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
***Misted nursery:** Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
***NS (not significant):** Variety mean differences were not statistically significant.*
***Data from:** Contains data from Alexandria, Bossier City and Winnsboro.*

Table 8. Early maturity wheat performance trial across North Louisiana for two years. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung*	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (in) Fung	Plant Height (in) No Fung	Lodging (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%) Fung	Stripe Rust (%) No Fung	Bacterial Streak (0-9)	FHB Yield Plot (0-9)	Phenotype (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery SDQ (0-9)
AGS 3022	93.4	82.1	56.4	56.5	89.5	92.7	36.2	35.5	0.8	0.2	0	0	0.8	2.4	6.5	2.3	24	4.4	3.3
PIONEER 26R94	93.1	78.6	57.6	57.2	87.7	91.4	39.5	39.5	0.6	0.1	2	2	3.0	3.1	5.8	5.1	31	9.7	3.0
AGS 3015	82.9	74.8	56.6	55.8	90.1	93.4a	37.7	38.6	1.1	0.6	8	13	2.2	2.7	5.3	2.8	24	3.9	3.3
DELTA GROW 3500	86.8	74.4	57.1	56.6	93.4	96.4	37.2	37.3	2.0	1.8	16	21	0.2	3.4	4.8	4.2	39	8.5	2.8
AGS 2055	89.3	73.1	55.1	54.5	97.1	101.2	37.3	36.9	0.1	0.7	1	3	0.0	1.4	6.0	4.3	51	17.9	2.0
MEAN	89.1	76.5	56.5	56.1	91.5	95.0	37.5	37.6	0.9	0.7	5	8	1.2	2.6	5.7	3.8	34	9.0	2.8
CV%	9	8	1	1	2	2	6	3	74	167	114	79	44.1	23	7.0	16	15	24	15
LSD(0.10)	8.4	6.5	0.8	0.8	4.6	4.0	NS	1.5	1.7	NS	14.4	11.6		0.7	1.8	1.6	9.6	6.8	0.6
R-SQUARE	0.89	0.95	0.93	0.97	0.94	0.98	0.49	0.83	0.91	0.65		0.86		0.86	0.93	0.96	0.97	0.98	0.94

Bolded *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
****fung:** Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
***LOD:** Lodging score on a scale of 0 = none to 9 = 100% lodged.*
***Phenotpye:** Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
***FHB score:** FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
***FDK** is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
***DON** is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
***Seed quality (SDQ):** Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
***Misted nursery:** Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
***NS (not significant):** Variety mean differences were not statistically significant.*
***Data from:** Contains data from Alexandria, Bossier City and Winnsboro for 2022 and Alexandria and Winnsboro for 2021.*

Table 9. Early maturity wheat performance trial across North Louisiana for three years. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant Height (inches) No Fung	Lodging (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%) Fung	Stripe Rust (%) No Fung	Bacterial Streak (0-9)	FHB Yield Plot (0-9)	Phenotype (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery SDQ (0-9)
PIONEER 26R94	91.4	76.4	57.6	56.7	85.6	89.1	39.5	39.5	0.6	0.1	1.8	2.2	3.0	4.2	5.7	5.2	27	10.5	3.7
AGS 3015	82.7	73.7	56.9	55.9	87.1	90.1	37.7	38.6	1.1	0.6	7.6	12.6	2.2	3.3	5.3	3.9	21	4.6	3.9
DELTA GROW 3500	85.7	72.2	57.2	56.0	89.9	92.6	37.2	37.3	2.0	1.8	15.8	20.8	0.2	4.6	4.9	4.8	34	9.1	3.6
AGS 2055	86.3	71.2	54.9	54.2	95.1	98.6	37.3	36.9	0.1	0.7	0.6	3.1	0.0	1.9	6.0	4.9	49	22.9	2.3
Mean	86.5	73.4	56.7	55.7	89.4	92.6	37.9	38.1	0.9	0.8	6.4	9.7	1.3	3.5	5.5	4.7	32	11.8	3.4
CV	10	7	1	1	2	1	7	2	72	162	103	70	46	16	8.8	13	17	22	15
LSD	NS	NS	0.9	1.0	4.3	3.8	NS	1.2	NS	NS	NS	12.6		1.0	NS	NS	8.8	7.6	0.8
R-SQUARE	0.90	0.96	0.93	0.97	0.97	1.00	0.41	0.85	0.92	0.65	0.86	0.86	0.90	0.96	0.83	0.97	0.97	0.98	0.97

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
NS (not significant): *Variety mean differences were not statistically significant.*
SDQ: *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
Contains data from 2021 Alexandria and Winnsboro; 2020 Winnsboro; and 2022 Alexandria, Bossier City and Winnsboro.

Table 10. Early maturity wheat performance trial at Alexandria for 2022. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Grain Yield Difference (bu/acre)	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Test Weight Difference (lbs/bu)	Head Day (of year) Fung	Plant Height (inches) Fung	Freeze Damage (0-9)	Bacterial Streak (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery SDQ (0-9)
AGS 3022	**101.9**	**80.5**	**21.4**	**57.4**	**56.0**	**1.4**	**94.0**	**37.4**	**0.3**	**0.8**	**1.5**	**18**	**6.9**	**3.5**
DYNA-GRO RIVERLAND	**94.4**	**82.0**	**12.4**	**58.4**	**56.7**	**1.7**	**89.0**	**39.4**	**2.3**	**1.8**	**4.8**	**43**	**17.7**	**2.5**
PIONEER 26R94	**91.4**	**85.2**	**6.2**	**58.6**	**57.2**	**1.4**	**83.0**	**37.8**	**0.7**	**3.0**	**6.3**	**38**	**15.1**	**3.0**
DELTA GROW 3500	**88.4**	**85.0**	**3.5**	**58.3**	**56.9**	**1.4**	**99.5**	**37.4**	**1.7**	**0.2**	**4.3**	**45**	**15.4**	**2.5**
LA14152SB-BR52-3	84.9	80.3	4.6	59.0	57.6	1.4	79.0	38.3	1.3	4.0	2.0	18	5.6	3.5
LA14159SB-BR1-1	84.4	72.7	11.7	57.7	56.8	0.9	91.0	37.8	0.0	1.2	3.0	23	5.7	3.0
AGS 2055	**84.3**	**70.7**	**13.7**	**55.5**	**53.6**	**1.9**	**102.0**	**37.6**	**1.3**	**0.0**	**4.0**	**48**	**32.4**	**2.5**
DYNA-GRO PLANTATION	**84.2**	**69.3**	**14.9**	**58.4**	**56.8**	**1.6**	**100.0**	**37.1**	**1.0**	**0.0**	**4.8**	**45**	**30.7**	**3.0**
AGS 3015	**81.5**	**78.9**	**2.6**	**58.6**	**56.7**	**1.8**	**95.0**	**39.6**	**0.0**	**2.2**	**1.5**	**20**	**6.0**	**3.5**
FL16045LDH-25	**80.6**	**72.1**	**8.5**	**58.7**	**57.9**	**0.8**	**99.0**	**35.6**	**0.7**	**1.3**	**2.8**	**23**	**10.1**	**3.5**
FL16009LDH-16	79.4	73.8	5.6	52.3	51.9	0.4	84.0	37.1	0.0	4.5	3.0	18	5.2	3.5
FL15105-LDH039	77.9	76.4	1.6	58.2	57.8	0.4	93.5	34.8	0.3	1.3	0.0	13	3.8	4.0
MEAN	**86.1**	**77.2**	**8.9**	**57.6**	**56.3**	**1.3**	**92.4**	**37.5**	**0.8**	**1.7**	**3.3**	**29**	**12.9**	**3.2**
CV%	**10**	**11**	**-1**	**2**	**1**	**0**	**3**	**4**	**76.0**	**48.0**	**26**	**20**	**20**	**15**
LSD(0.10)	**11.5**	**NS**		**1.2**	**0.9**		**4.5**	**NS**	**0.9**	**1.1**	**1.6**	**10.5**	**4.7**	**0.9**
R-SQUARE	**0.63**	**0.49**		**0.87**	**0.93**		**0.95**	**0.57**	**0.7**	**0.9**	**0.90**	**0.92**	**0.97**	**0.73**

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
NS (not significant): *Variety mean differences were not statistically significant.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
Relative score *with 0 = no stripe rust and 9 = severe infection and dieback.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
Dean Lee Research Station, Alexandria, Louisiana. *Boyd Padgett, Fred Collins, Laura Lee and Daniel Stephenson.*
Cultural practices: *Planted 11/9/21 and harvested 6/1/22. Fertilized 11/8/21 with 200#/acre 0-18-36. Topdressed 2/10/22 with 275 #/acre 33-0-0-12S. Herb. 12/15/21 Powerflex 2oz + Anthemflex 3 oz + ¼ % NIS. Fung. 4/5/22 and 4/15/22 applied to Reps 1-3 with Miravis Ace @ 13.7 oz + ¼% NIS.*

Table 11. Early maturity wheat performance trial at Bossier City, Louisiana, for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Lodging Score (0-9)
AGS 2055*	**68.8**	**56.5**	**109.8**	**37.3**	**none**
DYNA-GRO PLANTATION	**68.6**	**59.0**	**106.8**	**37.3**	
DELTA GROW 3500	**67.9**	**58.9**	**106.3**	**38.3**	
AGS 3022	67.2	58.8	102.0	35.5	
LA14159SB-BR1-1	66.9	58.4	101.3	40.5	
PIONEER 26R94	**65.1**	**58.4**	**99.0**	**40.5**	
AGS 3015	**64.9**	**57.2**	**105.0**	**39.3**	
DYNA-GRO RIVERLAND	**62.1**	**58.2**	**104.8**	**39.8**	
FL16009LDH-16	62.0	53.4	98.8	37.5	
FL16045LDH-25	61.0	58.4	106.3	36.5	
LA14152SB-BR52-3	59.7	59.5	99.0	38.8	
FL15105-LDH039	59.5	59.4	104.5	36.5	
MEAN	**64.5**	**58.0**	**103.6**	**38.1**	
CV%	**8.0**	**0.7**	**1.4**	**3.4**	
LSD(0.10)	**6.2**	**0.5**	**1.7**	**1.6**	
R-SQUARE	**0.39**	**0.97**	**0.90**	**0.69**	

Red River Research Station *in Bossier City, Louisiana.*
****AGS 2055*** *is included as a medium-late heading date check.*
Bold: *"Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
Lod score *is lodging score, scale of 0 = none to 9 = 100% lodged.*
Phenotype *is a visual appeal rating with a higher score indicating a prettier plot.*
Cultural practices: *Planted 11/6/21 and harvested 6/6/22. 20 oz/acre if Powerflexx on wheat. Harmony Extra at 0.6 oz/acre + crop oil on oats. Fertilized wheat with 110#/acre N on 2/14/22. Fertilized oats with 80#/acre N on 2/14/22.*

Table 12. Early maturity wheat performance trial at Winnsboro for 2022. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Grain Yield Difference (bu/acre)	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Test Weight Difference (lbs/bu)	Head Day (of year) Fung	Head Day (of year) No Fung	Lodging (0-9) Fung	Lodging (0-9) Fung	Stripe Rust (%) Fung	Stripe Rust (%) No Fung	Stripe Rust (%) Difference	FHB Score Field (%) Fung	FHB Score Field (%) No Fung	FHB Score Field (%) Difference	Phenotpye (0-9) Fung	Phenotpye (0-9) NoFung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery SDQ (0-9)
DYNA-GRO RIVERLAND	**113.7**	**112.0**	**1.7**	**57.3**	**54.7**	**2.6**	**90.0**	**89.3**	**0.3**	**0.0**	**1.0**	**3.7**	**-2.7**	**2.3**	**3.3**	**-1.0**	**6.0**	**6.0**	**4.5**	**28**	**8.1**	**3.5**
AGS 3022	**104.8**	**109.8**	**-4.9**	**55.6**	**55.0**	**0.7**	**92.3**	**92.3**	**0.0**	**0.3**	**0.0**	**0.7**	**-0.7**	**2.0**	**2.7**	**-0.7**	**6.0**	**6.0**	**2.0**	**20**	**3.9**	**4.0**
DELTA GROW 3500	**117.8**	**108.6**	**9.2**	**57.9**	**55.1**	**2.8**	**100.3**	**100.7**	**0.3**	**1.3**	**0.0**	**1.7**	**-1.7**	**1.7**	**2.7**	**-1.0**	**5.7**	**5.7**	**2.0**	**33**	**5.6**	**3.5**
PIONEER 26R94	**111.6**	**107.9**	**3.7**	**57.0**	**55.5**	**1.4**	**90.0**	**88.0**	**0.0**	**0.0**	**0.3**	**1.7**	**-1.3**	**1.7**	**3.3**	**-1.7**	**5.5**	**5.5**	**4.5**	**20**	**6.0**	**4.0**
FL16045LDH-25	109.9	107.9	2.1	57.3	56.4	0.9	93.0	95.0	0.0	0.7	0.0	3.3	-3.3	2.0	3.3	-1.3	5.5	5.5	2.5	18	2.1	2.5
AGS 3015	**104.6**	**107.0**	**-2.5**	**55.5**	**53.9**	**1.6**	**91.7**	**91.0**	**0.7**	**1.0**	**0.3**	**2.0**	**-1.7**	**2.0**	**3.0**	**-1.0**	**6.0**	**6.0**	**2.5**	**18**	**2.1**	**4.0**
DYNA-GRO PLANTATION	**110.2**	**106.0**	**4.3**	**57.1**	**55.0**	**2.1**	**96.3**	**99.7**	**0.3**	**0.0**	**0.0**	**2.3**	**-2.3**	**1.3**	**2.3**	**-1.0**	**6.0**	**6.0**	**2.5**	**23**	**3.8**	**4.5**
LA14159SB-BR1-1	111.3	104.3	7.0	56.7	55.1	1.6	88.3	92.0	0.0	1.0	0.0	0.7	-0.7	1.3	1.7	-0.3	6.7	6.7	3.0	20	4.2	5.0
FL15105-LDH039	100.0	100.6	-0.6	57.2	55.5	1.7	92.3	89.7	0.3	0.0	0.0	0.0	0.0	1.3	1.3	0.0	5.7	5.7	2.0	8	1.0	4.0
AGS 2055	**111.5**	**98.6**	**12.9**	**54.9**	**52.2**	**2.7**	**104.0**	**103.7**	**0.0**	**0.3**	**0.3**	**1.0**	**-0.7**	**1.0**	**1.3**	**-0.3**	**6.0**	**6.0**	**1.0**	**43**	**6.9**	**2.5**
LA14152SB-BR52-3	106.7	97.9	8.8	56.9	56.3	0.7	89.0	88.7	0.0	2.3	0.3	1.0	-0.7	1.7	2.0	-0.3	6.3	6.3	3.0	20	3.0	4.0
FL16009LDH-16	105.2	96.4	8.8	50.7	49.1	1.6	90.0	88.7	0.0	1.0	3.7	11.7	-8.0	0.3	1.7	-1.3	6.7	6.7	3.0	28	2.9	3.5
MEAN	**108.9**	**104.8**	**4.2**	**56.2**	**54.5**	**1.7**	**93.1**	**93.2**	**0.2**	**0.7**	**0.5**	**2.5**	**-2.0**	**1.6**	**2.4**	**-0.8**	**6.0**	**6.0**	**2.7**	**23**	**4.1**	**3.8**
CV%	**5**	**7**		**1**	**2**		**3**	**2**	**290**	**154**	**160**	**68**		**49**	**31**		**9.1**	**9.1**	**32**	**38**	**56**	**123**
LSD(0.10)	**8.0**	**NS**		**1.0**	**1.2**		**3.6**	**2.4**	**NS**	**NS**	**1.1**	**2.4**		**NS**	**1.0**		**1.0**	**1.0**	**1.6**	**NS**	**NS**	**0.8**
R-SQUARE	**0.80**	**0.45**		**0.92**	**0.90**		**0.85**	**0.94**	**0.26**	**0.42**	**0.7**	**0.8**		**0.4**	**0.6**		**0.52**	**0.52**	**0.74**	**0.77**	**0.79**	**0.92**

***fung:** Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
***NS (not significant):** Variety mean differences were not statistically significant.*
***LOD:** Lodging score on a scale of 0 = none to 9 = 100% lodged.*
***Phenotpye:** Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
***Seed quality (SDQ):** Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
***Misted nursery:** Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
***FHB score:** FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
***FDK** is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
***DON** is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
***Macon Ridge Research Station**, Winnsboro, Louisiana. Trey Price, Steve Harrison, Dustin Ezell, Myra Purvis, Kelly Arceneaux, Allysson Harding, Hanamareddy Biradar and Katie McCarthy Fontenot.*
***Cultural:** Planted 11/3/21. Harvested 5/30/22. Zidua (3.25 oz/A) + metribuzin (2 oz/A) applied on 11/30/21. 30-0-0-2S topdress (50# N/A) on 2/14/22 and 3/3/22. Miravis Ace (13.7 oz/acre) applied to fungicide split reps at flag lelaf and heading stages.*

Table 13. Normal maturity wheat performance trial across North Louisiana for 2022. (With and without fungicide.)

Brand / Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	Bacterial Streak (0-9)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)
TX16DDH579	100.9	90.7	59.4	57.8	93.2	100.8	38.1	38.2	0.0	0.3	0	1.3	1.7	3.0	6.6	4.5	36	16.5
AGRIMAXX 492	**91.5**	**89.4**	**58.0**	**56.4**	**103.8**	**106.2**	**34.8**	**35.5**	**0.2**	**0.0**	**0**	**0.8**	**0.7**	**1.3**	**5.3**	**1.9**	**19**	**7.4**
AGRIMAXX 514	**93.4**	**86.9**	**55.7**	**55.1**	**109.6**	**111.2**	**33.8**	**33.2**	**0.3**	**0.2**	**0**	**0.3**	**0.3**	**0.0**	**5.9**	**0.4**	**11**	**5.0**
GP 348	**84.6**	**86.9**	**57.3**	**55.6**	**104.2**	**106.3**	**33.1**	**33.1**	**0.2**	**0.2**	**0**	**0.0**	**0.7**	**0.7**	**5.8**	**2.1**	**23**	**6.6**
AGS 2021	**94.7**	**86.9**	**58.8**	**56.9**	**87.8**	**96.8**	**39.0**	**38.5**	**0.5**	**0.3**	**0**	**1.8**	**0.7**	**4.3**	**6.7**	**5.8**	**48**	**9.7**
AGS 3022	**93.1**	**86.4**	**57.5**	**56.3**	**91.2**	**99.8**	**35.9**	**34.8**	**0.0**	**0.2**	**0**	**2.4**	**1.3**	**2.7**	**5.8**	**2.8**	**26**	**7.4**
LA14261C-45-2	89.0	85.4	57.1	56.0	99.6	104.8	36.8	35.1	0.0	0.3	0	1.8	1.7	2.3	5.3	2.1	19	4.7
LIBERTY 5658	**93.5**	**85.3**	**58.5**	**56.8**	**99.8**	**104.3**	**38.0**	**36.0**	**0.0**	**0.0**	**1**	**0.0**	**1.0**	**2.0**	**6.0**	**2.0**	**16**	**4.3**
DYNA-GRO WX20738	**93.9**	**85.2**	**56.7**	**55.4**	**105.2**	**106.3**	**38.0**	**34.9**	**0.0**	**0.7**	**0**	**1.2**	**0.3**	**0.7**	**5.2**	**1.5**	**20**	**8.1**
LA14234CBW-31	98.0	85.1	57.1	56.9	88.6	99.3	36.9	35.1	0.2	0.7	0	2.3	0.3	2.7	6.8	3.3	20	4.7
LA13154D-WN1	99.0	84.4	55.0	54.4	89.2	98.9	37.8	36.8	0.2	0.3	0	2.6	0.3	4.0	6.6	5.0	36	12.5
AGRIMAXX 481	**95.1**	**84.4**	**58.5**	**56.8**	**100.0**	**104.8**	**36.9**	**35.2**	**0.0**	**0.0**	**0**	**1.2**	**1.0**	**3.0**	**6.0**	**3.4**	**28**	**14.6**
LA13235D-66-3	91.9	82.9	58.8	57.4	91.4	101.1	37.9	37.5	0.2	1.2	2	1.7	1.3	3.3	6.2	3.0	34	8.7
LA15093SB-30-2	86.2	82.9	54.9	55.2	87.8	97.2	37.8	37.8	0.8	0.3	0	4.3	1.0	1.3	5.8	1.8	31	5.4
DELTA GROW 1800	**78.6**	**82.3**	**57.2**	**56.3**	**100.2**	**105.6**	**37.8**	**38.7**	**0.2**	**0.0**	**0**	**0.5**	**0.7**	**1.0**	**5.6**	**1.4**	**16**	**4.3**
GA 121012-19LE8	92.5	82.3	57.5	55.8	95.4	102.8	39.1	39.0	1.2	1.3	0	0.4	1.3	2.7	6.0	3.8	26	10.1
PROGENY #CHAD	**92.0**	**82.1**	**55.9**	**54.3**	**99.4**	**105.4**	**34.3**	**32.2**	**0.5**	**0.0**	**0**	**1.2**	**1.0**	**1.3**	**6.2**	**2.0**	**16**	**6.4**
AGS 2055	**87.8**	**82.0**	**55.0**	**54.7**	**107.0**	**108.6**	**36.9**	**35.8**	**0.0**	**0.8**	**0**	**1.3**	**1.0**	**1.7**	**6.0**	**2.6**	**51**	**35.7**
DYNA-GRO PLANTATION	**94.3**	**81.8**	**58.3**	**57.2**	**98.6**	**103.5**	**36.8**	**36.2**	**0.3**	**1.7**	**2**	**0.8**	**2.0**	**2.0**	**5.9**	**4.6**	**40**	**17.2**
PROGENY #BINGO	**98.8**	**81.8**	**56.5**	**54.5**	**109.0**	**110.2**	**118.8**	**34.6**	**0.0**	**0.2**	**0**	**0.5**	**0.0**	**0.0**	**6.0**	**0.6**	**11**	**4.1**
LA15166-LDH296	89.1	81.8	55.9	55.4	104.6	107.5	36.1	35.7	0.5	1.3	0	0.0	0.3	1.0	5.4	1.5	19	5.9
LWX22A	87.3	81.5	57.8	56.4	108.0	110.5	31.0	32.6	0.0	0.5	0	1.0	0.0	0.3	5.2	1.0	9	2.6
GO WHEAT 6000	**91.6**	**81.4**	**57.1**	**55.4**	**88.2**	**97.9**	**36.3**	**35.6**	**0.8**	**1.0**	**0**	**3.3**	**1.3**	**2.0**	**5.6**	**2.9**	**21**	**6.9**
AGS 4043	**87.8**	**81.4**	**58.2**	**56.3**	**96.6**	**103.3**	**34.3**	**32.5**	**1.3**	**1.5**	**1**	**1.8**	**0.7**	**1.7**	**5.7**	**1.5**	**14**	**6.1**
LA14188CBB-4	82.2	81.2	58.2	56.0	83.0	94.1	36.0	36.1	0.3	0.3	0	1.8	1.0	2.7	6.1	3.5	13	3.3

Brand / Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	Bacterial Streak (0-9)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)
REVERE 2026	**86.3**	**80.8**	**56.9**	**55.1**	**90.0**	**98.7**	**34.6**	**35.8**	**0.2**	**0.0**	**1**	**3.8**	**2.0**	**4.7**	**6.5**	**6.9**	**63**	**23.4**
DELTA GROW 1000	**84.5**	**80.7**	**56.3**	**54.7**	**106.2**	**108.4**	**38.0**	**37.4**	**0.0**	**0.3**	**0**	**0.3**	**0.3**	**0.7**	**5.9**	**0.9**	**14**	**4.9**
DELTA GROW 1200	**98.5**	**80.6**	**56.2**	**54.8**	**109.2**	**110.8**	**36.5**	**33.7**	**0.2**	**0.7**	**0**	**0.7**	**0.0**	**0.0**	**6.0**	**0.6**	**16**	**5.8**
USG 3783	**93.9**	**80.5**	**55.9**	**54.4**	**111.6**	**111.2**	**33.1**	**32.7**	**0.0**	**0.3**	**0**	**0.8**	**0.0**	**0.0**	**5.6**	**1.5**	**18**	**5.2**
AR09137UC-17-2	95.0	80.5	57.2	56.0	102.6	104.6	37.9	36.7	0.2	0.3	0	1.0	0.7	1.0	5.2	1.8	28	6.6
DYNA-GRO 9811	**87.6**	**80.4**	**56.9**	**55.8**	**103.8**	**106.3**	**34.3**	**35.0**	**0.0**	**0.2**	**0**	**0.5**	**0.7**	**1.0**	**5.2**	**2.3**	**23**	**5.2**
PROGENY #BUSTER	**90.7**	**80.0**	**58.2**	**56.2**	**106.0**	**107.3**	**34.1**	**34.5**	**0.0**	**0.0**	**0**	**0.2**	**1.0**	**1.0**	**5.6**	**1.8**	**15**	**5.3**
GA 151254-LDH071-19E32	87.8	79.7	57.6	55.4	99.6	104.9	36.5	35.3	0.8	0.8	0	0.8	2.0	2.7	5.4	4.1	43	16.8
LA14269C-9-3	86.8	79.7	57.4	56.2	94.4	100.9	36.6	33.7	0.0	0.7	0	1.1	1.0	1.3	5.9	2.5	28	7.0
TX17D2337	86.9	79.3	58.3	57.1	104.8	107.1	36.9	34.9	0.0	0.0	0	0.3	1.3	2.0	5.3	2.8	41	15.2
GP 381	**86.7**	**79.0**	**55.7**	**55.1**	**102.8**	**106.6**	**33.1**	**32.7**	**0.0**	**0.2**	**0**	**0.0**	**1.0**	**1.0**	**5.9**	**2.3**	**21**	**10.1**
AGS 4023	**83.9**	**78.4**	**59.1**	**57.2**	**103.2**	**106.6**	**35.0**	**36.0**	**0.0**	**1.0**	**0**	**0.7**	**1.0**	**1.3**	**5.6**	**2.3**	**25**	**8.8**
AR11051-15-3	82.6	78.3	58.5	57.6	103.4	106.5	36.9	35.9	0.2	0.5	0	0.7	0.3	1.0	5.0	2.4	15	5.1
GA 111055-19LE12	85.9	78.2	57.2	55.7	104.4	107.9	28.5	31.8	0.0	0.3	1	1.2	1.0	1.7	5.8	3.8	49	21.5
PROGENY #BULLET	**81.7**	**78.1**	**56.1**	**54.8**	**110.6**	**111.4**	**36.8**	**35.4**	**0.2**	**0.5**	**0**	**0.2**	**0.0**	**0.0**	**5.9**	**1.9**	**2**	**4.2**
PIONEER 26R59	**88.3**	**78.0**	**54.3**	**53.7**	**110.4**	**110.1**	**32.5**	**31.1**	**0.0**	**0.2**	**0**	**0.3**	**0.3**	**0.3**	**5.7**	**2.0**	**25**	**9.1**
DYNA-GRO RIVERLAND	**96.3**	**77.8**	**58.2**	**56.8**	**88.2**	**98.7**	**36.5**	**36.6**	**0.3**	**0.2**	**2**	**2.7**	**0.7**	**3.3**	**6.2**	**4.9**	**39**	**17.8**
AGRIMAXX 473	**87.3**	**77.3**	**55.8**	**55.2**	**103.0**	**109.1**	**36.6**	**35.4**	**0.0**	**0.2**	**0**	**0.2**	**0.3**	**0.0**	**6.0**	**0.3**	**9**	**4.0**
SY VIPER	**86.4**	**76.9**	**56.2**	**55.1**	**104.0**	**106.8**	**37.4**	**35.4**	**0.3**	**1.0**	**0**	**0.2**	**0.0**	**1.0**	**5.4**	**1.3**	**25**	**8.3**
GO WHEAT LA754	**92.9**	**76.9**	**55.8**	**54.9**	**98.6**	**104.5**	**38.5**	**36.4**	**0.5**	**0.2**	**0**	**2.0**	**3.0**	**4.3**	**6.7**	**6.5**	**63**	**34.4**
LANC11558-33	94.0	76.8	57.0	55.1	94.2	101.7	39.6	34.0	0.2	1.0	0	1.6	1.3	1.3	6.1	2.6	23	9.4
PROGENY #TURBO	**92.1**	**76.7**	**56.2**	**55.0**	**101.0**	**104.9**	**34.8**	**33.5**	**0.0**	**0.0**	**0**	**0.3**	**1.0**	**1.0**	**5.7**	**1.6**	**14**	**3.3**
GA 11052-19LE15	88.2	76.5	57.7	56.4	108.8	111.3	39.3	35.8	0.0	0.3	0	1.3	0.3	0.7	5.0	1.1	15	3.3
VA17W-75	92.1	76.2	56.5	54.8	88.6	96.4	35.5	38.3	0.8	0.3	0	0.7	0.3	1.0	6.4	1.0	13	2.2
DYNA-GRO 9172	**91.3**	**76.1**	**56.9**	**54.5**	**106.0**	**108.3**	**34.1**	**34.5**	**0.0**	**0.7**	**0**	**0.7**	**0.0**	**0.0**	**5.0**	**0.3**	**10**	**4.8**

Brand / Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	Bacterial Streak (0-9)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)
DYNA-GRO 9002	**86.9**	**75.6**	**55.6**	**54.5**	**106.0**	**109.4**	**37.3**	**35.4**	**0.0**	**0.3**	**0**	**0.2**	**0.3**	**0.7**	**5.8**	**1.0**	**15**	**4.0**
GA 151313-LDH224-19E38	80.3	75.6	57.6	56.2	99.4	104.3	36.9	35.1	0.2	0.5	0	0.5	1.0	1.7	5.6	2.9	20	5.0
PIONEER 26R45	**88.5**	**75.2**	**56.4**	**55.2**	**109.8**	**110.6**	**35.5**	**35.5**	**0.2**	**1.0**	**0**	**0.3**	**0.0**	**0.0**	**5.8**	**0.6**	**8**	**4.7**
GANC 12642-19LE16F	84.7	74.5	56.5	55.4	106.2	107.5	37.4	36.2	0.0	0.5	7	0.8	0.7	1.0	5.2	1.1	24	9.0
PIONEER 26R41	**91.2**	**74.4**	**57.3**	**56.0**	**105.0**	**108.7**	**33.6**	**31.2**	**0.0**	**0.3**	**0**	**0.3**	**0.3**	**1.0**	**5.9**	**1.6**	**24**	**6.5**
LA12275DH-56	79.7	73.8	58.7	58.0	104.2	107.7	38.0	38.3	0.2	0.7	0	0.8	1.0	2.0	5.7	2.0	14	3.3
USG 3472	**92.2**	**73.7**	**57.0**	**55.1**	**105.4**	**109.0**	**33.4**	**32.8**	**0.0**	**0.5**	**0**	**0.2**	**0.7**	**1.0**	**5.7**	**0.5**	**6**	**3.5**
LA15203-LDH112	82.0	73.3	56.9	56.2	106.4	109.1	35.0	34.0	0.0	0.5	0	0.5	0.0	1.3	5.2	1.5	18	5.9
LA14188C-68-1	73.2	72.5	58.6	56.7	84.8	94.3	29.3	35.3	1.2	1.0	0	4.6	0.7	2.0	6.1	2.0	5	2.3
LA15203-LDH274	80.2	68.9	55.9	51.0	80.0	93.1	32.5	33.7	0.3	1.5	0	5.3	1.0	2.0	6.3	4.0	18	3.6
USG 3352	**75.6**	**68.0**	**56.3**	**54.2**	**110.3**	**105.8**	**35.4**	**33.8**	**0.3**	**1.7**	**0**	**0.0**	**0.0**	**0.0**	**5.1**	**0.9**	**13**	**4.9**
AGRIMAXX EXP2105	77.2	67.1	56.9	54.4	109.0	111.1	32.8	33.5	0.2	2.2	0	0.0	0.0	0.0	5.1	0.3	14	6.4
Mean	**88.8**	**79.7**	**57.0**	**55.6**	**100.3**	**105.0**	**37.1**	**35.1**	**0.2**	**0.5**	**0**	**1.1**	**0.8**	**1.5**	**5.8**	**2.3**	**23**	**8.4**
CV	**8**	**11**	**1**	**4**	**2**	**4**	**40**	**7**	**322**	**144**	**378**	**54.5**	**64**	**42**	**8.3**	**48**	**32**	**61**
LSD	**10.4**	**8.0**	**1.3**	**1.8**	**4.4**	**4.4**	**4.4**	**2.4**	**NS**	**1.2**		**1.2**	**1.2**			**1.6**	**11.5**	**9.8**
R-SQUARE	**0.87**	**0.77**	**0.81**	**0.60**	**0.96**	**0.81**	**0.52**	**0.56**		**0.65**	**0.51**	**0.89**		**0.84**		**0.86**	**0.89**	**0.86**

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor*
NS (not significant): *Variety mean differences were not statistically significant.*
****Data from:*** *Alexandria and Winnsboro for Fungicide Trial; **Alexandria, Bossier City, St. Jospeh and Winnsboro for nonfungicide trial.*

Table 14. Late maturity wheat performance trial across North Louisiana for two years. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
AGRIMAXX 492	**87.5**	**85.1**	**57.1**	**56.5**	**93.8**	**102.4**	**36.3**	**35.3**	**0.5**	**0.2**	**15**	**0.7**	**1.3**	**6.0**	**2.9**	**23**	**7.8**	**3.4**
AGRIMAXX 514	**90.8**	**84.0**	**54.9**	**54.7**	**99.7**	**107.2**	**36.0**	**34.0**	**0.2**	**0.3**	**0**	**0.2**	**0.7**	**6.1**	**1.1**	**21**	**6.6**	**3.5**
DYNA-GRO WX20738	87.6	82.4	55.9	55.3	95.0	102.2	38.2	35.3	0.0	0.3	13	0.7	0.9	5.9	2.9	24	6.9	3.4
PROGENY #CHAD	**89.2**	**81.8**	**55.2**	**54.3**	**94.3**	**101.6**	**35.0**	**32.9**	**1.2**	**0.8**	**0**	**0.7**	**1.1**	**6.5**	**2.5**	**24**	**7.6**	**2.5**
LA13154D-WN1	89.4	81.5	55.2	54.6	90.6	97.4	35.3	35.9	0.2	0.2	7	0.7	2.4	6.5	4.3	42	11.1	2.5
PROGENY #BINGO	**92.4**	**80.9**	**55.3**	**54.3**	**100.0**	**106.3**	**36.2**	**35.3**	**0.3**	**0.2**	**0**	**0.3**	**0.6**	**6.2**	**1.2**	**20**	**5.7**	**3.5**
DELTA GROW 1800	**78.4**	**80.2**	**56.7**	**56.3**	**95.3**	**101.9**	**38.3**	**38.3**	**0.2**	**0.2**	**1**	**0.6**	**0.7**	**5.9**	**1.5**	**21**	**5.1**	**3.3**
DELTA GROW 1200	**91.9**	**79.5**	**55.0**	**54.6**	**100.1**	**106.6**	**36.0**	**34.5**	**0.1**	**0.3**	**18**	**0.6**	**0.3**	**6.0**	**2.1**	**25**	**8.6**	**3.0**
DYNA-GRO 9811	**85.2**	**79.3**	**56.1**	**55.6**	**96.6**	**102.6**	**37.3**	**35.4**	**0.0**	**0.1**	**0**	**0.7**	**1.1**	**5.9**	**2.0**	**26**	**5.7**	**2.9**
DELTA GROW 1000	**79.0**	**79.3**	**55.6**	**54.4**	**100.2**	**104.7**	**36.5**	**36.9**	**0.0**	**0.2**	**0**	**0.3**	**0.8**	**5.7**	**1.4**	**21**	**5.7**	**2.6**
PROGENY #BUSTER	**86.2**	**78.5**	**57.0**	**56.0**	**98.4**	**103.4**	**37.7**	**35.4**	**0.0**	**0.0**	**0**	**0.7**	**1.0**	**5.7**	**2.1**	**22**	**5.8**	**2.9**
LIBERTY 5658	**85.3**	**78.3**	**57.0**	**56.3**	**93.2**	**100.5**	**34.5**	**35.0**	**0.0**	**0.3**	**31**	**0.9**	**1.3**	**6.0**	**2.4**	**20**	**4.5**	**3.5**
SY VIPER	**84.7**	**78.2**	**55.8**	**55.3**	**95.4**	**102.9**	**37.0**	**35.7**	**0.2**	**0.6**	**0**	**0.3**	**1.2**	**5.9**	**2.5**	**26**	**7.7**	**3.3**
AGS 2055	**85.3**	**78.2**	**55.0**	**54.7**	**96.4**	**104.4**	**37.7**	**36.9**	**0.1**	**0.4**	**3**	**0.9**	**1.4**	**6.0**	**3.8**	**48**	**24.2**	**2.6**
AR11051-15-3	80.8	77.9	57.1	57.1	96.3	102.9	39.2	36.8	0.2	0.6	0	0.6	1.0	5.6	2.3	26	6.4	3.0
LA15166-LDH296	84.7	77.8	55.7	55.5	98.3	104.9	36.2	35.8	0.4	0.9	0	0.4	0.7	6.1	2.6	24	6.3	2.9
GO WHEAT 6000	**84.0**	**77.6**	**56.8**	**55.6**	**88.8**	**95.9**	**36.3**	**35.6**	**0.8**	**1.0**	**29**	**0.8**	**1.9**	**5.7**	**3.6**	**25**	**6.2**	**3.0**
PIONEER 26R59	**85.7**	**77.6**	**53.8**	**53.6**	**100.7**	**105.9**	**34.2**	**32.1**	**0.0**	**0.1**	**0**	**0.7**	**0.7**	**6.0**	**2.8**	**38**	**9.7**	**2.4**
AR09137UC-17-2	87.8	77.4	56.6	56.0	94.8	101.0	38.0	36.8	0.4	0.5	17	0.8	1.4	5.5	3.6	33	9.1	2.8
AGRIMAXX 473	**84.2**	**76.9**	**55.2**	**54.8**	**102.0**	**105.5**	**38.3**	**35.9**	**0.0**	**0.1**	**0**	**0.2**	**0.3**	**5.8**	**0.7**	**16**	**4.4**	**2.6**
REVERE 2026	**80.1**	**76.4**	**56.4**	**55.3**	**89.0**	**96.4**	**37.0**	**36.4**	**0.1**	**0.0**	**2**	**2.2**	**3.6**	**6.3**	**6.3**	**53**	**16.4**	**2.0**
DYNA-GRO PLANTATION	**84.3**	**76.3**	**57.8**	**57.0**	**91.9**	**99.8**	**34.7**	**35.8**	**0.5**	**1.3**	**22**	**1.7**	**2.7**	**5.5**	**5.4**	**40**	**13.1**	**2.5**
PROGENY #BULLET	**79.6**	**76.2**	**55.3**	**54.7**	**102.3**	**108.1**	**38.2**	**35.8**	**0.1**	**0.3**	**0**	**0.0**	**0.4**	**5.7**	**1.8**	**14**	**4.5**	**3.0**
AGRIMAXX 481	**85.0**	**76.1**	**57.7**	**56.3**	**93.8**	**101.0**	**35.5**	**35.5**	**0.6**	**0.8**	**18**	**1.0**	**2.8**	**5.8**	**3.7**	**25**	**9.3**	**3.6**
DYNA-GRO 9172	**88.9**	**75.7**	**55.8**	**54.6**	**99.2**	**105.8**	**37.2**	**34.8**	**0.0**	**0.3**	**0**	**0.2**	**0.3**	**5.4**	**1.0**	**16**	**5.0**	**4.1**

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
LANC11558-33	86.7	75.6	56.9	55.6	92.3	98.7	35.2	34.2	0.1	0.5	3	1.1	1.7	6.5	3.7	22	6.5	2.9
AGS 4023	**79.8**	**75.4**	**58.0**	**57.1**	**95.2**	**102.9**	**36.7**	**36.0**	**0.2**	**0.8**	**8**	**0.8**	**1.7**	**5.7**	**3.6**	**32**	**8.1**	**2.5**
DYNA-GRO 9002	**87.3**	**74.9**	**54.8**	**54.6**	**97.7**	**105.0**	**37.8**	**36.0**	**0.0**	**0.2**	**0**	**0.6**	**0.9**	**6.1**	**2.1**	**22**	**4.9**	**3.5**
PIONEER 26R41	**88.5**	**74.7**	**55.7**	**55.5**	**99.6**	**104.9**	**35.7**	**32.4**	**0.0**	**0.2**	**0**	**0.3**	**0.9**	**6.1**	**1.7**	**32**	**8.7**	**2.5**
AGS 4043	**80.8**	**74.5**	**57.7**	**56.2**	**89.2**	**100.3**	**33.8**	**33.2**	**0.9**	**0.9**	**29**	**0.6**	**1.3**	**6.2**	**2.3**	**18**	**7.1**	**3.5**
LA12275DH-56	**78.6**	**74.4**	**57.8**	**57.8**	**95.1**	**103.6**	**39.3**	**38.3**	**0.3**	**0.3**	**0**	**0.4**	**1.0**	**5.8**	**2.8**	**23**	**5.8**	**3.0**
GO WHEAT LA754	**83.0**	**74.0**	**54.8**	**54.7**	**91.8**	**100.9**	**37.3**	**36.4**	**0.3**	**0.6**	**2**	**2.2**	**2.9**	**6.6**	**5.3**	**43**	**21.1**	**3.0**
DYNA-GRO RIVERLAND	**87.5**	**73.8**	**57.7**	**56.6**	**87.5**	**96.4**	**34.5**	**36.2**	**0.7**	**0.3**	**29**	**0.9**	**2.4**	**5.9**	**4.4**	**35**	**13.6**	**2.4**
PIONEER 26R45	**84.4**	**73.2**	**55.6**	**55.1**	**100.9**	**106.9**	**36.7**	**35.4**	**0.2**	**0.5**	**21**	**0.0**	**0.1**	**5.9**	**2.3**	**23**	**8.7**	**3.5**
LA15203-LDH112	78.5	71.9	56.2	56.4	98.3	105.2	37.8	34.5	0.0	0.3	0	0.4	1.0	5.5	2.3	24	6.8	2.5
LA15203-LDH274	80.0	70.3	55.9	52.5	86.7	91.7	37.0	34.5	0.4	0.9	2	0.9	1.8	6.6	2.8	21	5.6	3.3
Mean	**84.8**	**77.4**	**56.1**	**55.4**	**95.6**	**102.4**	**36.6**	**35.4**	**0.2**	**0.4**	**8**	**0.7**	**1.3**	**6.0**	**2.8**	**27**	**8.4**	**3.0**
CV	**8**	**10**	**2**	**4**	**3**	**2**	**5**	**6**	**256**	**176**	**104**	**78**	**54**	**7.6**	**45**	**35**	**58**	**26**
LSD	**6.5**	**6.9**	**0.9**	**1.5**	**4.7**	**3.1**		**1.9**	**0.6**	**0.8**	**21.0**	**0.5**	**0.9**	**0.8**	**1.4**	**11.9**	**7.0**	**0.8**
R-SQUARE	**0.86**	**0.82**	**0.87**	**0.61**	**0.86**	**0.96**	**0.50**	**0.72**	**0.54**	**0.64**	**0.89**	**0.71**	**0.83**	**0.80**	**0.83**	**0.87**	**0.84**	**0.76**

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
NS (not significant): *Variety mean differences were not statistically significant.*
Note: *Fungicide and nonfungicde comaparisons not made because FU is only St. Joseph and Winnsboro.*
**2021 and 2022 Alexandria and Winnsboro for fungicide trial; **2022 Alexandria, Bossier City, St. Joseph and Winnsboro; 2021 Alexandria and Winnsboro for nonfungicide trial.*

Table 15. Late maturity wheat performance trial across North Louisiana for three years. (With and without fungicide.)

Brand / Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
AGRIMAXX 492	**86.7**	**83.2**	**57.5**	**56.5**	**90.9**	**98.5**	**36.3**	**35.3**	**0.4**	**0.1**	**15**	**1.6**	**2.1**	**6.1**	**3.4**	**18**	**8.2**	**4.9**
PROGENY #BINGO	**92.3**	**80.1**	**55.3**	**54.4**	**98.9**	**103.7**	**36.2**	**35.3**	**0.3**	**0.1**	**0**	**0.5**	**0.7**	**6.3**	**1.0**	**14**	**6.5**	**4.6**
PROGENY #CHAD	**88.1**	**80.1**	**55.3**	**54.1**	**88.8**	**96.2**	**35.0**	**32.9**	**1.2**	**0.7**	**0**	**1.6**	**2.5**	**6.3**	**3.8**	**16**	**6.7**	**3.6**
LA13154D-WN1	87.8	79.7	55.6	54.4	87.3	93.1	35.3	35.9	0.5	0.1	7	2.1	3.7	6.4	4.6	30	9.1	3.6
DELTA GROW 1000	**80.8**	**79.0**	**56.0**	**54.7**	**99.1**	**102.7**	**36.5**	**36.9**	**0.0**	**0.1**	**0**	**0.5**	**0.7**	**5.8**	**1.2**	**14**	**5.0**	**4.3**
DELTA GROW 1800	**77.8**	**78.8**	**57.2**	**56.3**	**89.4**	**96.6**	**38.3**	**38.3**	**0.1**	**0.1**	**1**	**1.1**	**1.6**	**6.0**	**2.6**	**16**	**5.6**	**4.5**
DYNA-GRO 9811	**84.7**	**78.1**	**56.4**	**55.8**	**93.1**	**99.1**	**37.3**	**35.4**	**0.0**	**0.1**	**0**	**1.1**	**1.4**	**5.8**	**2.1**	**17**	**6.0**	**4.4**
PROGENY #BUSTER	**85.1**	**77.8**	**57.2**	**56.4**	**95.7**	**99.9**	**37.7**	**35.4**	**0.2**	**0.0**	**0**	**0.8**	**1.2**	**5.6**	**1.7**	**14**	**6.4**	**4.5**
LIBERTY 5658	**84.9**	**77.7**	**57.2**	**56.3**	**89.2**	**95.6**	**34.5**	**35.0**	**0.1**	**0.2**	**31**	**1.1**	**1.8**	**6.0**	**2.4**	**13**	**5.0**	**5.0**
SY VIPER	**85.0**	**77.5**	**56.2**	**55.5**	**93.3**	**99.3**	**37.0**	**35.7**	**0.3**	**0.5**	**0**	**0.8**	**1.4**	**6.0**	**2.3**	**17**	**9.7**	**4.6**
AR09137UC-17-2	87.0	76.8	56.9	55.8	90.9	96.4	38.0	36.8	0.3	0.4	17	1.9	2.4	5.7	3.4	23	9.5	4.4
AGRIMAXX 473	**84.9**	**76.8**	**55.5**	**55.0**	**99.5**	**103.0**	**38.3**	**35.9**	**0.0**	**0.1**	**0**	**0.4**	**0.4**	**5.9**	**0.7**	**10**	**3.6**	**4.7**
PROGENY #BULLET	**80.8**	**76.8**	**55.6**	**55.1**	**100.3**	**105.1**	**38.2**	**35.8**	**0.1**	**0.2**	**0**	**0.3**	**0.4**	**5.7**	**1.4**	**11**	**4.0**	**4.5**
GO WHEAT 6000	**82.5**	**76.5**	**56.9**	**55.6**	**85.5**	**92.5**	**36.3**	**35.6**	**0.6**	**0.8**	**29**	**1.7**	**2.5**	**5.8**	**4.0**	**17**	**6.4**	**4.4**
PIONEER 26R59	**83.8**	**76.2**	**54.2**	**53.9**	**98.0**	**102.9**	**34.2**	**32.1**	**0.0**	**0.1**	**0**	**0.9**	**1.1**	**5.8**	**2.3**	**24**	**8.2**	**4.0**
AGS 2055	**83.9**	**76.1**	**55.2**	**54.4**	**92.8**	**100.0**	**37.7**	**36.9**	**0.1**	**0.3**	**3**	**1.7**	**2.3**	**6.1**	**3.9**	**35**	**20.3**	**3.8**
PIONEER 26R45	**85.1**	**74.5**	**55.7**	**55.3**	**98.9**	**104.0**	**36.7**	**35.4**	**0.1**	**0.4**	**21**	**0.2**	**0.3**	**5.8**	**1.9**	**16**	**9.1**	**4.7**
DYNA-GRO PLANTATION	**81.8**	**74.3**	**57.8**	**56.6**	**86.5**	**94.0**	**34.7**	**35.8**	**0.7**	**1.1**	**22**	**2.7**	**3.9**	**5.6**	**5.5**	**29**	**10.4**	**4.0**
LANC11558-33	83.6	74.3	57.1	55.6	87.6	93.9	35.2	34.2	0.5	0.5	3	1.9	3.1	6.3	5.0	15	5.7	4.3
DYNA-GRO 9002	**86.3**	**74.1**	**55.5**	**54.8**	**95.1**	**101.5**	**37.8**	**36.0**	**0.0**	**0.1**	**0**	**1.2**	**1.4**	**6.1**	**1.9**	**14**	**3.8**	**5.1**
LA12275DH-56	78.1	73.9	57.6	57.6	91.3	98.5	39.3	38.3	0.3	0.3	0	1.1	1.7	5.7	3.3	18	7.6	4.3
AGRIMAXX 481	**83.7**	**73.7**	**57.7**	**55.9**	**88.3**	**95.3**	**35.5**	**35.5**	**0.6**	**0.6**	**18**	**2.3**	**3.8**	**5.8**	**4.5**	**17**	**7.1**	**4.6**
DYNA-GRO RIVERLAND	**85.5**	**72.2**	**57.6**	**56.0**	**83.6**	**91.5**	**34.5**	**36.2**	**1.0**	**0.3**	**29**	**2.6**	**3.7**	**5.9**	**4.7**	**30**	**13.7**	**3.0**
LA15203-LDH112	78.7	72.1	56.6	56.5	95.8	101.9	37.8	34.5	0.0	0.2	0	1.1	1.3	5.6	1.8	14	6.4	4.0
GO WHEAT LA754	**81.5**	**71.9**	**55.2**	**54.3**	**86.7**	**94.8**	**37.3**	**36.4**	**0.5**	**0.8**	**2**	**3.0**	**4.3**	**6.4**	**5.8**	**30**	**8.9**	**4.2**

Brand / Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung**	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Plant Height (inches) Fung	Plant height (inches) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
Mean	**84.0**	**76.5**	**56.3**	**55.5**	**92.3**	**98.4**	**36.7**	**35.7**	**0.3**	**0.3**	**8**	**1.4**	**2.0**	**5.9**	**3.0**	**19**	**7.7**	**4.3**
CV	**8**	**10**	**2**	**2**	**3**	**2**	**5**	**6**	**239**	**224**	**102**	**44**	**32**	**7.8**	**39**	**51**	**46**	**21**
LSD	**6.0**	**6.2**	**0.8**	**0.9**	**3.4**	**2.9**		**1.9**	**0.6**	**0.6**	**22.5**	**0.8**	**1.0**	**0.7**	**1.3**	**10.2**	**5.3**	**1.0**
R-SQUARE	**0.86**	**0.83**	**0.86**	**0.83**	**0.93**	**0.98**	**0.55**	**0.71**	**0.57**	**0.60**	**0.89**	**0.91**	**0.94**	**0.71**	**0.87**	**0.87**	**0.88**	**0.91**

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
NS (not significant): *Variety mean differences were not statistically significant.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
*Data from 2020, 2021 and 2022 Alexandria and Winnsboro for fungicide trial; **2022 Alexandria, Bossier City, St. Joseph, and Winnsboro; 2021 Alexandria and Winnsboro for nonfungicide trial.*

Table 16. Normal maturity wheat performance trial at Alexandria for 2022. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Grain Yield (bu/acre) Diff	Test Weight (lbs/bu) Fung Fung	Test Weight (lbs/bu) Fung No Fung	Test Weight (lbs/bu) Diff	Head Day (of year) Fung	Plant Height (inches) Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Freeze Damage (0-9)	Bacterial Streak (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
LA14234CBW-31	90.7	74.1	16.5	56.6	56.5	0.1	88.5	36.9	0.0	0.0	0.0	2.8	4.5	25	5.4	3.0
AGRIMAXX 481	**88.7**	**75.8**	**12.9**	**58.3**	**55.5**	**2.8**	**100.0**	**36.9**	**0.0**	**0.0**	**0.0**	**0.0**	**4.3**	**45**	**21.2**	**2.5**
AGS 3022	**87.6**	**81.7**	**5.9**	**57.5**	**55.9**	**1.6**	**90.5**	**35.9**	**0.0**	**0.0**	**0.5**	**0.8**	**3.5**	**25**	**10.8**	**3.0**
TX16DDH579	87.1	75.1	11.9	59.3	56.7	2.6	94.5	38.1	0.0	0.0	2.0	1.0	6.5	45	20.4	2.0
GO WHEAT LA754	**86.6**	**76.8**	**9.8**	**56.3**	**54.4**	**2.0**	**100.0**	**38.5**	**0.0**	**0.0**	**0.5**	**0.3**	**7.5**	**65**	**44.6**	**1.5**
DYNA-GRO WX20738	86.2	71.5	14.7	57.3	54.5	2.8	104.5	38.0	0.0	0.0	2.5	0.0	3.0	28	13.7	3.0
LANC11558-33	86.0	69.6	16.4	56.0	53.9	2.1	87.0	39.6	0.0	0.0	1.0	0.2	2.8	30	15.7	2.5
DELTA GROW 1200	**85.6**	**72.9**	**12.6**	**56.1**	**54.6**	**1.4**	**109.5**	**36.5**	**0.0**	**0.0**	**1.0**	**0.0**	**1.3**	**28**	**10.6**	**3.0**
PROGENY #BINGO	**85.5**	**76.4**	**9.1**	**56.0**	**54.1**	**1.9**	**109.0**	**118.8**	**0.0**	**0.3**	**0.5**	**0.0**	**1.3**	**15**	**6.4**	**4.5**
LA13235D-66-3	84.9	80.0	4.9	59.5	56.3	3.2	94.0	37.9	0.0	0.0	0.5	0.3	3.5	35	11.2	2.5
PROGENY #TURBO	84.0	67.2	16.8	55.3	55.6	-0.3	100.0	34.8	0.0	0.0	0.0	0.0	2.3	23	5.5	3.0
VA17W-75	83.3	69.5	13.9	55.8	56.2	-0.4	89.0	35.5	0.0	0.0	1.0	0.3	1.0	15	3.0	4.0
USG 3783	**83.3**	**73.2**	**10.1**	**55.4**	**53.2**	**2.2**	**113.5**	**33.1**	**0.0**	**0.0**	**0.5**	**0.0**	**2.5**	**28**	**8.9**	**3.0**
LA13154D-WN1	83.1	79.3	3.9	53.9	52.2	1.7	89.0	37.8	0.0	0.0	0.5	1.8	6.0	40	13.5	2.5
AGRIMAXX 492	**83.1**	**74.4**	**8.7**	**57.6**	**55.1**	**2.5**	**105.5**	**34.8**	**0.0**	**0.0**	**1.0**	**0.0**	**2.3**	**25**	**13.2**	**3.0**
AR09137UC-17-2	82.9	70.9	12.0	57.0	54.3	2.7	102.0	37.9	0.0	0.0	1.0	0.0	2.5	28	8.6	3.0
AGS 4043	**82.4**	**79.6**	**2.7**	**58.6**	**54.8**	**3.8**	**97.5**	**34.3**	**2.3**	**0.3**	**0.5**	**0.2**	**2.5**	**20**	**10.5**	**3.0**
GO WHEAT 6000	**82.0**	**73.8**	**8.1**	**56.5**	**55.6**	**0.9**	**89.5**	**36.3**	**0.0**	**0.0**	**0.5**	**3.3**	**4.3**	**28**	**8.2**	**3.0**
GA 121012-19LE8	81.9	71.5	10.4	58.0	53.5	4.5	96.5	39.1	0.0	0.0	1.0	0.2	5.0	35	15.3	3.0
DYNA-GRO RIVERLAND	**81.6**	**70.5**	**11.1**	**58.0**	**55.7**	**2.3**	**88.5**	**36.5**	**0.0**	**0.0**	**0.0**	**2.3**	**6.3**	**38**	**20.5**	**2.5**
AGS 2021	**81.6**	**75.4**	**6.2**	**58.9**	**55.9**	**3.1**	**88.5**	**39.0**	**0.0**	**0.0**	**1.0**	**1.7**	**6.5**	**50**	**10.2**	**2.5**
LA14261C-45-2	80.3	79.9	0.3	56.8	55.4	1.4	101.5	36.8	0.0	0.0	1.5	0.0	3.8	25	7.2	3.5
LIBERTY 5658	**80.2**	**73.9**	**6.3**	**59.2**	**56.7**	**2.6**	**99.0**	**38.0**	**0.0**	**0.0**	**0.5**	**0.0**	**3.0**	**25**	**5.9**	**3.5**
PROGENY #CHAD	**80.1**	**82.0**	**-1.9**	**56.1**	**53.3**	**2.9**	**99.0**	**34.3**	**0.0**	**0.0**	**1.0**	**0.0**	**3.0**	**20**	**10.6**	**2.5**
DYNA-GRO PLANTATION	**79.7**	**69.6**	**10.1**	**58.1**	**55.7**	**2.4**	**97.5**	**36.8**	**0.0**	**0.0**	**1.5**	**0.0**	**5.8**	**53**	**25.7**	**2.5**

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Grain Yield (bu/acre) Diff	Test Weight (lbs/bu) Fung Fung	Test Weight (lbs/bu) Fung No Fung	Test Weight (lbs/bu) Diff	Head Day (of year) Fung	Plant Height (inches) Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Freeze Damage (0-9)	Bacterial Streak (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
AGRIMAXX 514	**79.5**	**68.3**	**11.3**	**55.7**	**54.6**	**1.1**	**112.5**	**33.8**	**0.0**	**0.0**	**0.5**	**0.0**	**0.8**	**18**	**8.8**	**4.0**
PIONEER 26R41	**79.5**	**76.0**	**3.5**	**57.3**	**55.2**	**2.1**	**103.5**	**33.6**	**0.0**	**0.0**	**0.5**	**0.0**	**3.3**	**30**	**10.8**	**3.0**
LA15093SB-30-2	78.7	69.1	9.6	53.1	54.3	-1.2	87.5	37.8	0.0	0.0	1.0	2.8	1.5	23	5.4	3.5
GA 111055-19LE12	78.4	61.0	17.5	57.2	54.6	2.5	104.5	28.5	0.0	0.0	0.5	0.0	6.0	65	36.1	1.5
AGS 4023	**78.2**	**66.9**	**11.4**	**59.3**	**55.7**	**3.6**	**102.0**	**35.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**35**	**13.4**	**2.0**
DYNA-GRO 9002	**77.8**	**63.2**	**14.6**	**55.3**	**52.9**	**2.4**	**105.5**	**37.3**	**0.0**	**0.0**	**1.0**	**0.0**	**1.5**	**20**	**5.6**	**3.5**
GA 151254-LDH071-19E32	77.7	68.2	9.6	57.2	54.3	2.8	100.0	36.5	0.0	0.0	1.0	0.0	6.3	55	27.7	2.0
PROGENY #BUSTER	**77.3**	**69.2**	**8.1**	**58.1**	**57.0**	**1.1**	**109.0**	**34.1**	**0.0**	**0.0**	**0.5**	**0.0**	**3.5**	**23**	**9.0**	**3.0**
LA15166-LDH296	77.1	73.0	4.1	55.3	53.7	1.7	101.0	36.1	0.0	0.0	1.0	0.0	2.5	18	7.7	3.0
TX17D2337	76.9	71.9	5.0	58.4	56.2	2.2	106.5	36.9	0.0	0.0	1.0	0.0	4.5	45	22.8	2.5
DYNA-GRO 9811	**76.0**	**72.5**	**3.5**	**56.9**	**54.5**	**2.4**	**104.5**	**34.3**	**0.0**	**0.0**	**1.0**	**0.0**	**4.5**	**33**	**9.3**	**3.0**
GA 11052-19LE15	75.8	64.8	11.0	57.3	54.8	2.5	109.5	39.3	0.0	0.0	1.0	0.0	1.8	18	5.2	3.0
DYNA-GRO 9172	**74.2**	**66.4**	**7.8**	**56.6**	**54.0**	**2.6**	**107.5**	**34.1**	**0.0**	**0.0**	**1.5**	**0.0**	**0.5**	**15**	**7.5**	**4.5**
LA14269C-9-3	73.4	62.9	10.6	57.7	55.3	2.4	96.0	36.6	0.0	0.0	1.0	0.5	2.5	28	9.6	3.0
PIONEER 26R59	**73.4**	**68.4**	**4.9**	**53.4**	**51.8**	**1.6**	**111.5**	**32.5**	**0.0**	**0.0**	**0.5**	**0.0**	**3.5**	**38**	**16.1**	**2.5**
REVERE 2026	**73.2**	**66.5**	**6.7**	**56.6**	**54.1**	**2.5**	**92.5**	**34.6**	**0.0**	**0.0**	**1.0**	**2.3**	**7.3**	**65**	**24.9**	**1.5**
AR11051-15-3	73.2	70.5	2.7	58.4	56.8	1.6	103.0	36.9	0.0	0.0	1.0	0.0	4.3	23	8.2	3.5
AGS 2055	**72.7**	**75.8**	**-3.0**	**53.5**	**53.4**	**0.1**	**110.5**	**36.9**	**0.0**	**0.0**	**0.5**	**0.2**	**4.3**	**65**	**63.7**	**1.5**
LA12275DH-56	72.7	67.4	5.3	58.8	56.6	2.2	105.0	38.0	0.0	1.3	0.0	0.0	3.0	18	5.4	3.0
LA14188C-68-1	72.4	63.0	9.4	58.1	56.5	1.7	84.5	29.3	0.0	0.0	1.5	3.8	1.0	3	1.9	5.0
LWX22A	72.4	66.3	6.1	57.1	55.0	2.1	111.0	31.0	0.0	0.0	0.5	0.0	2.0	10	4.2	3.5
GP 381	**72.1**	**62.7**	**9.4**	**55.9**	**55.0**	**0.9**	**103.0**	**33.1**	**0.0**	**0.0**	**0.0**	**0.0**	**3.5**	**35**	**17.3**	**2.5**
GANC 12642-19LE16F	72.0	68.6	3.3	56.1	54.9	1.2	109.0	37.4	0.0	0.0	0.5	0.0	2.3	30	15.3	2.5
AGRIMAXX 473	**71.8**	**69.0**	**2.8**	**54.9**	**54.6**	**0.3**	**94.0**	**36.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.5**	**10**	**6.3**	**3.0**
SY VIPER	**71.8**	**73.7**	**-1.9**	**54.5**	**53.0**	**1.5**	**103.0**	**37.4**	**0.3**	**0.0**	**0.0**	**0.0**	**2.0**	**28**	**13.7**	**3.0**

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Grain Yield (bu/acre) Diff	Test Weight (lbs/bu) Fung Fung	Test Weight (lbs/bu) Fung No Fung	Test Weight (lbs/bu) Diff	Head Day (of year) Fung	Plant Height (inches) Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Freeze Damage (0-9)	Bacterial Streak (0-9)	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nusery Seed Quality (0-9)
USG 3472	**71.1**	**69.3**	**1.8**	**56.4**	**54.4**	**2.0**	**104.5**	**33.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.5**	**5**	**4.4**	**6.5**
GA 151313-LDH224-19E38	70.0	64.0	6.1	58.3	55.9	2.4	99.0	36.9	0.0	0.0	1.0	0.0	4.8	28	8.4	2.5
PIONEER 26R45	**69.3**	**58.9**	**10.4**	**56.2**	**53.7**	**2.4**	**111.0**	**35.5**	**0.3**	**0.0**	**1.0**	**0.0**	**0.8**	**10**	**7.7**	**4.0**
DELTA GROW 1800	**68.7**	**77.0**	**-8.3**	**56.7**	**54.1**	**2.6**	**100.5**	**37.8**	**0.0**	**0.0**	**1.5**	**0.0**	**1.8**	**18**	**6.8**	**3.0**
GP 348	**68.1**	**80.0**	**-11.8**	**55.7**	**54.6**	**1.1**	**106.5**	**33.1**	**0.0**	**0.0**	**2.0**	**0.0**	**3.3**	**30**	**11.7**	**2.5**
LA15203-LDH112	68.0	66.7	1.3	56.2	55.4	0.8	108.0	35.0	0.0	0.0	1.0	0.0	2.5	25	9.5	2.5
LA15203-LDH274	67.9	51.2	16.7	55.0		20.2	75.5	32.5	0.0	0.0	0.5	4.5	4.5	18	3.2	3.5
LA14188CBB-4	67.3	75.2	-7.9	58.5	54.4	4.1	78.5	36.0	0.3	0.0	0.5	2.0	4.5	20	5.0	3.5
PROGENY #BULLET	**65.2**	**76.6**	**-11.4**	**55.4**	**53.8**	**1.6**	**113.0**	**36.8**	**0.0**	**0.0**	**2.0**	**0.0**	**3.8**	**3**	**7.4**	**4.0**
DELTA GROW 1000	**64.9**	**67.1**	**-2.2**	**55.9**	**52.1**	**3.8**	**104.5**	**38.0**	**0.0**	**0.0**	**2.0**	**0.0**	**1.3**	**15**	**7.5**	**3.0**
USG 3352	**52.6**	**62.0**	**-9.4**	**56.3**	**55.2**	**1.1**	**109.5**	**35.4**	**0.0**	**0.7**	**1.5**	**0.0**	**1.3**	**18**	**8.6**	**3.5**
AGRIMAXX EXP2105	51.9	59.8	-7.9	56.9	54.5	2.4	106.0	32.8	0.0	0.0	0.5	0.0	0.5	18	11.0	3.5
MEAN	**76.8**	**70.6**	**6.2**	**56.8**	**54.8**	**2.3**	**100.4**	**37.1**	**0.1**	**0.0**	**0.8**	**0.5**	**3.2**	**28**	**12.5**	**3.0**
CV%	**10**	**12**		**2**	**7**		**2**	**40**	**975**	**541**		**69.2**	**43**	**27**	**55**	**18**
LSD(0.10)	**10.0**	**11.2**		**1.2**	**5.5**		**4.1**	**NS**	**NS**	**NS**		**0.5**	**2.3**	**12.5**	**11.4**	**0.9**
R-SQUARE	**0.64**	**0.60**		**0.80**	**0.43**		**0.96**	**0.52**	**0.35**	**0.51**		**0.9**	**0.77**	**0.89**	**0.82**	**0.83**

Bolded: *"Brand/variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
NS (not significant): *Variety mean differences were not statistically significant.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.). 0 = poor.*
Dean Lee Research Station, Alexandria, Louisiana. *Boyd Padgett, Fred Collins, Laura Lee and Daniel Stephenson.*
Cultural practices: *Planted 11/9/21 and harvested 6/1/22. Fertilized 11/8/21 with 200#/acre 0-18-36. Topdressed 2/10/22 with 275 #/acre 33-0-0-12S. Herb. 12/15/21 Powerflex 2oz + Anthem Flex 3 oz + ¼ % NIS. Fung. 4/5/22 and 4/15/22 applied to Reps 1-3 with Miravis Ace @ 13.7 oz + ¼% NIS.*

Table 17. Normal maturity wheat performance trial at Bossier City, Louisiana, for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lsb/bu)	head Day (of year)	Plant Height (inches)	lodging Score (0-9)
TX16DDH579	110.6	59.7	104.5	40.5	none occurred
AGRIMAXX 492	**103.9**	**58.5**	**107.5**	**38.0**	
AGRIMAXX 481	**101.8**	**58.8**	**107.5**	**36.8**	
LA15093SB-30-2	99.3	58.1	103.0	42.0	
AGS 2021	**98.3**	**58.6**	**101.8**	**40.8**	
SY VIPER	**98.0**	**57.6**	**109.3**	**39.3**	
GP 348	**97.9**	**57.9**	**108.5**	**34.0**	
LWX22A	95.4	58.3	110.8	34.5	
VA17W-75	94.9	57.3	103.8	36.5	
GA 111055-19LE12	94.7	56.7	110.3	37.0	
DYNA-GRO PLANTATION	**92.8**	**59.5**	**106.3**	**36.5**	
DYNA-GRO WX20738	**92.7**	**57.1**	**107.5**	**37.3**	
LA15166-LDH296	92.3	57.4	111.0	37.8	
AGS 3022	**91.8**	**58.0**	**104.8**	**35.8**	
AGRIMAXX 514	**91.5**	**57.5**	**112.5**	**34.0**	
AGS 2055	**91.1**	**56.8**	**110.3**	**37.0**	
GA 11052-19LE15	90.5	58.5	111.8	36.0	
GA 151254-LDH071-19E32	90.2	57.1	108.3	36.8	
LA14269C-9-3	90.1	57.9	104.0	35.3	
DELTA GROW 1800	**89.5**	**57.8**	**110.0**	**41.5**	
PIONEER 26R45	**89.3**	**57.0**	**112.0**	**36.8**	
DELTA GROW 1000	**88.9**	**56.5**	**111.0**	**40.0**	
LA14188CBB-4	**88.0**	**57.3**	**100.3**	**38.0**	
LIBERTY 5658	**87.3**	**58.4**	**106.8**	**37.8**	
REVERE 2026	**87.2**	**56.9**	**104.0**	**38.8**	
GP 381	**86.7**	**56.4**	**110.3**	**33.5**	
LA14234CBW-31	86.5	58.0	105.5	35.5	
USG 3472	**85.3**	**56.9**	**112.5**	**34.8**	
LA14261C-45-2	85.1	58.0	106.8	36.5	
DYNA-GRO 9172	**85.1**	**56.0**	**110.3**	**36.5**	
GA15VDH-FHB-MAS23-18LE43F	84.8	57.9	107.0	32.0	
GA12505B14-18LE23F	84.8	59.2	109.0	37.5	
LA12275DH-56	84.6	59.9	110.8	41.0	
TX17D2337	84.1	59.0	109.3	35.8	
PROGENY #TURBO	**83.3**	**55.9**	**108.5**	**35.8**	

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lsb/bu)	head Day (of year)	Plant Height (inches)	lodging Score (0-9)
GO WHEAT 6000	**83.2**	**56.2**	**103.5**	**37.0**	
LA14188C-68-1	83.1	59.1	101.0	37.5	
GA 121012-19LE8	82.9	57.6	107.8	41.0	
DYNA-GRO 9002	**82.4**	**56.5**	**112.8**	**37.0**	
AR09137UC-17-2	82.3	57.4	105.8	37.5	
PROGENY #BUSTER	**82.2**	**57.7**	**109.3**	**36.3**	
GO WHEAT LA754	**81.9**	**57.0**	**108.3**	**38.8**	
DYNA-GRO 9811	**81.8**	**57.6**	**109.5**	**36.3**	
AR11051-15-3	**81.7**	**59.1**	**107.5**	**37.8**	
LANC11558-33	81.7	57.5	107.3	33.3	
LA13154D-WN1	80.0	56.9	106.5	37.5	
PROGENY #BINGO	**79.8**	**57.0**	**110.0**	**35.5**	
LA13235D-66-3	79.6	59.4	106.5	37.8	
AGRIMAXX 473	**79.5**	**56.9**	**113.3**	**38.3**	
DYNA-GRO RIVERLAND	**79.2**	**58.0**	**105.3**	**38.3**	
PROGENY #CHAD	**79.2**	**56.1**	**108.8**	**34.5**	
PIONEER 26R59	**79.2**	**57.0**	**111.8**	**33.8**	
LA15203-LDH274	**79.1**	**58.7**	**99.8**	**36.0**	
GANC 12642-19LE16F	78.9	56.8	109.0	38.0	
GA 151313-LDH224-19E38	77.5	57.3	108.0	36.3	
USG 3783	**77.5**	**56.5**	**111.0**	**33.8**	
AGRIMAXX EXP2105	77.4	56.3	115.0	34.5	
PROGENY #BULLET	**76.9**	**57.1**	**112.5**	**37.5**	
USG 3352	**75.5**	**54.6**	**93.3**	**35.3**	
PIONEER 26R41	**74.0**	**57.4**	**111.8**	**32.0**	
LA15203-LDH112	73.1	57.8	111.8	34.3	
DELTA GROW 1200	**72.6**	**55.9**	**112.0**	**33.8**	
MEAN	**86.1**	**57.5**	**108.0**	**36.7**	
CV%	**11.1**	**1.8**	**5.7**	**4.7**	
LSD(0.10)	**11.4**	**1.2**	**7.2**	**2.0**	
R-SQUARE	**0.56**	**0.62**	**0.35**	**0.35**	

Red River Research Station *in Bossier City, Louisiana.*
Bold: *"Brand/Variety" indicates the entry is commercially available; others are non-released breeding lines.*
Lod score *is lodging score, scale of 0 = none to 9 = 100% lodged.*
Phenotype *is a visual appeal rating with a higher score indicating a prettier plot.*
Cultural practices: *Planted 11/6/21 and harvested 6/6/22. 20 oz/acre if Powerflexx on wheat. Harmony Extra at 0.6 oz/acre + crop oil on oats. Fertilized wheat with 110#/acre N on 2/14/22. Fertilized oats with 80#/acre N on 2/14/22.*

Table 18. Normal maturity wheat performance trial (replanted) at St. Joseph, Louisiana, for 2022.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs.bu)	Head Day (of year)	Plant Height (inches)	Bacterial Streak Score (0-9)
AGRIMAXX 514	**86.3**	**53.7**	**110.7**	**31.8**	**0.7**
LA14261C-45-2	82.8	55.4	106.3	32.2	3.7
DELTA GROW 1200	**81.1**	**54.5**	**111.0**	**31.7**	**1.3**
USG 3783	**80.3**	**54.6**	**111.3**	**31.1**	**1.7**
AGRIMAXX 492	**78.4**	**55.6**	**107.3**	**32.7**	**1.7**
LA14234CBW-31	78.4	57.4	108.3	33.4	1.7
PIONEER 26R59	**78.3**	**54.6**	**110.3**	**26.6**	**0.7**
LIBERTY 5658	**78.1**	**56.1**	**108.7**	**32.2**	**0.0**
LA13235D-66-3	77.0	57.2	107.7	36.8	3.0
DYNA-GRO WX20738	76.7	55.3	107.0	29.6	2.3
GA 121012-19LE8	76.3	55.6	107.0	36.1	0.7
AGS 3022	**76.1**	**55.9**	**105.7**	**32.7**	**4.0**
PROGENY #BINGO	**75.3**	**53.5**	**112.3**	**32.6**	**1.0**
LA15166-LDH296	75.2	55.5	110.0	32.8	0.0
LA13154D-WN1	74.5	53.9	105.0	35.2	3.3
DYNA-GRO 9811	**74.5**	**56.2**	**106.3**	**33.8**	**1.0**
AGRIMAXX 481	**73.4**	**57.4**	**108.3**	**31.9**	**2.3**
AGS 2021	**72.4**	**56.2**	**104.0**	**35.1**	**2.0**
GA 151313-LDH224-19E38	72.3	57.0	106.7	32.3	1.0
REVERE 2026	**72.1**	**54.3**	**105.7**	**32.8**	**5.3**
GP 348	**72.0**	**55.1**	**106.0**	**31.9**	**0.0**
PROGENY #CHAD	**71.6**	**53.8**	**108.3**	**27.9**	**2.3**
DYNA-GRO PLANTATION	**71.4**	**57.1**	**107.0**	**35.3**	**1.7**
AR09137UC-17-2	71.3	57.2	107.0	34.9	2.0
LWX22A	71.3	57.0	112.0	31.2	2.0
GA12505B14-18LE23F	71.2	56.9	109.0	34.8	1.3
LA14269C-9-3	70.8	55.7	106.3	29.8	1.7
PROGENY #BUSTER	**70.0**	**54.2**	**109.7**	**32.4**	**0.3**
LANC11558-33	69.9	55.4	106.3	31.2	3.0
GANC 12642-19LE16F	69.7	55.9	108.3	32.9	1.7
AGS 2055	**69.7**	**54.1**	**109.3**	**33.3**	**2.3**
TX17D2337	69.6	56.7	109.0	32.4	0.7
GA 151254-LDH071-19E32	69.4	55.1	107.7	32.6	1.7
DELTA GROW 1000	**68.7**	**54.8**	**110.0**	**33.4**	**0.7**
DYNA-GRO 9172	68.4	55.0	109.7	32.0	1.3

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs.bu)	Head Day (of year)	Plant Height (inches)	Bacterial Streak Score (0-9)
AR11051-15-3	68.3	57.6	111.0	32.9	1.3
DELTA GROW 1800	**67.8**	**56.5**	**109.0**	**35.6**	**1.0**
GP 381	**66.9**	**54.5**	**109.7**	**31.4**	**0.0**
DYNA-GRO RIVERLAND	**66.4**	**57.8**	**106.3**	**34.3**	**3.0**
TX16DDH579	66.1	57.7	106.3	35.1	1.7
PROGENY #BULLET	**66.0**	**54.8**	**111.3**	**31.8**	**0.3**
AGRIMAXX 473	**66.0**	**54.1**	**112.7**	**30.7**	**0.3**
GO WHEAT 6000	**65.4**	**55.6**	**106.7**	**33.3**	**3.3**
LA15203-LDH112	64.9	56.0	110.7	32.9	1.0
DYNA-GRO 9002	**64.1**	**55.2**	**110.7**	**32.1**	**0.3**
LA14188CBB-4	63.6	56.3	104.0	33.6	1.7
GA15VDH-FHB-MAS23-18LE43F	63.1	56.5	108.3	32.0	3.3
LA14188C-68-1	62.9	54.3	103.0	36.3	5.3
GA 111055-19LE12	61.3	56.3	110.7	27.1	2.3
GA 11052-19LE15	61.2	56.5	112.3	33.1	2.7
PROGENY #TURBO	**59.6**	**53.4**	**106.7**	**29.7**	**0.7**
AGRIMAXX EXP2105	57.8	54.9	114.0	32.7	0.0
USG 3472	**57.3**	**56.2**	**111.7**	**29.8**	**0.3**
PIONEER 26R41	**55.7**	**56.4**	**111.7**	**28.6**	**0.7**
LA15203-LDH274	55.0	54.4	105.0	31.4	6.0
PIONEER 26R45	**54.3**	**55.1**	**110.0**	**33.9**	**0.7**
SY VIPER	**53.6**	**55.5**	**108.7**	**28.9**	**0.3**
LA12275DH-56	52.6	57.7	109.7	35.0	1.7
USG 3352	**50.8**	**54.0**	**117.7**	**30.7**	**0.0**
GO WHEAT LA754	**50.6**	**55.6**	**109.7**	**31.8**	**3.7**
LA15093SB-30-2	49.5	53.4	105.0	32.3	5.7
VA17W-75	36.9	49.8	101.0	42.6	1.0
MEAN	**68.0**	**55.4**	**108.4**	**35.5**	**1.8**
CV%	**15.0**	**2.1**	**1.9**	**9.4**	**44.9**
LSD(0.10)	**13.9**	**1.6**	**2.8**	**4.1**	**1.1**
R-Square	**0.56**	**0.71**	**0.75**	**0.52**	**0.83**

Data from Northeast Research Station *in St. Joseph, Louisiana. Dennis Burns, Trey Price and Boyd Padgett.*
Bold: *"Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
Lod score *is lodging score, scale of 0 = none to 9 = 100% lodged.*
Phenotype *is a visual appeal rating with a higher score indicating a prettier plot.*
Cultural practices: *Sharkey clay soil. Planted (replanted) in 12/1/21. Fertilized on 2/11/22 with 33 lbs/acre N + 12lbs/acre S. Fertilized on 3/3/22 with 77 lbs/acre N + 26Lbs/acre S.*

Table 19. Normal maturity wheat performance trial at Winnsboro for 2022. (With and without fungicide.)

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	FHB Score Field (0-9) Diff	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery Seed Quality (0-9)
LA13154D-WN1	114.8	105.5	9.3	56.0	53.9	2.1	89.3	89.3	0.3	0.7	0	0.3	4.0	-3.7	6.6	4.0	33	11.5	3.0
TX16DDH579	114.8	104.4	10.4	59.4	56.4	3.0	92.3	94.7	0.0	0.7	0	1.7	3.0	-1.3	6.6	2.5	28	12.7	3.0
GO WHEAT 6000	**101.3**	**102.6**	**-1.4**	**57.6**	**53.7**	**3.9**	**87.3**	**87.3**	**1.7**	**2.0**	**0**	**1.3**	**2.0**	**-0.7**	**5.6**	**1.5**	**15**	**5.6**	**3.5**
LIBERTY 5658	**106.8**	**101.1**	**5.7**	**57.7**	**55.4**	**2.3**	**100.3**	**100.0**	**0.0**	**0.0**	**1**	**1.0**	**2.0**	**-1.0**	**6.0**	**1.0**	**8**	**2.7**	**3.5**
LA14234CBW-31	105.3	100.9	4.5	57.6	55.3	2.3	88.7	89.3	0.3	1.3	0	0.3	2.7	-2.3	6.8	2.0	15	3.9	3.5
AGRIMAXX 514	**107.3**	**100.0**	**7.3**	**55.7**	**53.8**	**1.9**	**107.7**	**109.0**	**0.7**	**0.3**	**0**	**0.3**	**0.0**	**0.3**	**5.9**	**0.0**	**5**	**1.1**	**4.5**
DELTA GROW 1200	**111.5**	**98.4**	**13.0**	**56.4**	**53.9**	**2.4**	**109.0**	**110.0**	**0.3**	**1.3**	**0**	**0.0**	**0.0**	**0.0**	**6.0**	**0.0**	**5**	**1.0**	**4.0**
GA 121012-19LE8	103.0	98.3	4.6	57.0	55.9	1.1	94.7	96.0	2.3	2.7	0	1.3	2.7	-1.3	6.0	2.5	18	4.9	3.5
PROGENY #BUSTER	**104.2**	**98.0**	**6.3**	**58.2**	**56.0**	**2.3**	**104.0**	**101.3**	**0.0**	**0.0**	**0**	**1.0**	**1.0**	**0.0**	**5.6**	**0.0**	**8**	**1.6**	**3.5**
AGS 2021	**107.8**	**97.8**	**10.1**	**58.7**	**56.2**	**2.5**	**87.3**	**88.3**	**1.0**	**0.7**	**0**	**0.7**	**4.3**	**-3.7**	**6.7**	**5.0**	**45**	**9.2**	**3.0**
DYNA-GRO WX20738	101.7	97.6	4.1	56.2	54.1	2.0	105.7	105.0	0.0	1.3	0	0.3	0.7	-0.3	5.2	0.0	13	2.5	4.0
VA17W-75	101.0	97.3	3.6	57.2	55.2	2.0	88.3	87.0	1.7	0.7	0	0.3	1.0	-0.7	6.4	1.0	10	0.7	3.0
LA15093SB-30-2	93.8	97.0	-3.3	56.6	53.8	2.8	88.0	88.0	1.7	0.7	0	1.0	1.3	-0.3	5.8	2.0	40	5.4	2.5
AGS 4043	**96.1**	**96.9**	**-0.8**	**57.7**	**55.5**	**2.2**	**96.0**	**97.0**	**0.3**	**2.7**	**1**	**0.7**	**1.7**	**-1.0**	**5.7**	**0.5**	**8**	**1.8**	**4.5**
AR09137UC-17-2	107.0	96.8	10.2	57.4	54.7	2.7	103.0	102.3	0.3	0.7	0	0.7	1.0	-0.3	5.2	1.0	28	4.6	3.0
GO WHEAT LA754	**99.2**	**96.5**	**2.7**	**55.3**	**52.3**	**3.1**	**97.7**	**97.3**	**1.0**	**0.3**	**0**	**3.0**	**4.3**	**-1.3**	**6.7**	**5.5**	**60**	**24.2**	**2.5**
PROGENY #CHAD	**103.9**	**96.5**	**7.4**	**55.7**	**53.6**	**2.1**	**99.7**	**102.3**	**1.0**	**0.0**	**0**	**1.0**	**1.3**	**-0.3**	**6.2**	**1.0**	**13**	**2.2**	**3.0**
PROGENY #BINGO	**112.1**	**96.3**	**15.8**	**57.0**	**53.4**	**3.5**	**109.0**	**109.0**	**0.0**	**0.0**	**0**	**0.0**	**0.0**	**0.0**	**6.0**	**0.0**	**8**	**1.8**	**5.0**
LA13235D-66-3	99.0	96.3	2.7	58.1	55.9	2.1	89.7	92.0	0.3	2.3	2	1.3	3.3	-2.0	6.2	2.5	33	6.3	3.0
AGRIMAXX 492	**99.9**	**96.1**	**3.8**	**58.3**	**55.6**	**2.7**	**102.7**	**103.7**	**0.3**	**0.0**	**0**	**0.7**	**1.3**	**-0.7**	**5.3**	**1.5**	**13**	**1.6**	**3.5**
LA14188CBB-4	97.0	95.9	1.1	57.8	55.6	2.2	86.0	86.3	0.3	0.7	0	1.0	2.7	-1.7	6.1	2.5	5	1.7	5.0
GP 381	**101.4**	**95.8**	**5.6**	**55.6**	**54.4**	**1.2**	**102.7**	**101.0**	**0.0**	**0.3**	**0**	**1.0**	**1.0**	**0.0**	**5.9**	**1.0**	**8**	**2.9**	**4.0**
DELTA GROW 1000	**104.1**	**95.5**	**8.6**	**56.6**	**54.8**	**1.8**	**107.3**	**104.5**	**0.0**	**0.7**	**0**	**0.3**	**0.7**	**-0.3**	**5.9**	**0.5**	**13**	**2.3**	**3.0**
REVERE 2026	**99.4**	**95.5**	**3.9**	**57.2**	**54.7**	**2.5**	**88.3**	**88.7**	**0.3**	**0.0**	**1**	**2.0**	**4.7**	**-2.7**	**6.5**	**6.5**	**60**	**22.0**	**2.5**
DYNA-GRO RIVERLAND	**111.0**	**94.6**	**16.4**	**58.4**	**55.7**	**2.8**	**88.0**	**89.0**	**0.7**	**0.3**	**2**	**0.7**	**3.3**	**-2.7**	**6.2**	**3.5**	**40**	**15.1**	**2.5**

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	FHB Score Field (0-9) Diff	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery Seed Quality (0-9)
AGS 3022	**98.7**	**94.4**	**4.3**	**57.5**	**54.9**	**2.6**	**91.7**	**93.3**	**0.0**	**0.3**	**0**	**1.3**	**2.7**	**-1.3**	**5.8**	**2.0**	**28**	**3.9**	**3.0**
PROGENY #TURBO	**100.2**	**94.2**	**6.0**	**57.1**	**54.9**	**2.3**	**101.7**	**101.7**	**0.0**	**0.0**	**0**	**1.0**	**1.0**	**0.0**	**5.7**	**1.0**	**5**	**1.2**	**3.5**
LA14261C-45-2	97.7	94.1	3.7	57.3	54.4	2.9	98.3	103.0	0.0	0.7	0	1.7	2.3	-0.7	5.3	0.5	13	2.2	3.0
GP 348	**101.1**	**94.0**	**7.1**	**58.9**	**54.9**	**4.0**	**102.7**	**103.7**	**0.3**	**0.3**	**0**	**0.7**	**0.7**	**0.0**	**5.8**	**1.0**	**15**	**1.5**	**3.5**
AGRIMAXX 473	**102.8**	**94.0**	**8.7**	**56.7**	**54.6**	**2.1**	**109.0**	**110.0**	**0.0**	**0.3**	**0**	**0.3**	**0.0**	**0.3**	**6.0**	**0.0**	**8**	**1.8**	**3.0**
PIONEER 26R45	**107.8**	**93.4**	**14.4**	**56.6**	**55.4**	**1.2**	**109.0**	**109.0**	**0.0**	**2.0**	**0**	**0.0**	**0.0**	**0.0**	**5.8**	**0.5**	**5**	**1.8**	**5.0**
DELTA GROW 1800	**88.6**	**92.7**	**-4.1**	**57.6**	**56.8**	**0.9**	**100.0**	**99.7**	**0.3**	**0.0**	**0**	**0.7**	**1.0**	**-0.3**	**5.6**	**1.0**	**15**	**1.9**	**4.0**
DYNA-GRO 9811	**99.2**	**92.6**	**6.6**	**57.0**	**55.0**	**2.0**	**103.3**	**103.3**	**0.0**	**0.3**	**0**	**0.7**	**1.0**	**-0.3**	**5.2**	**0.0**	**13**	**1.1**	**3.0**
PROGENY #BULLET	**98.2**	**92.5**	**5.7**	**56.7**	**54.2**	**2.5**	**109.0**	**109.0**	**0.3**	**1.0**	**0**	**0.0**	**0.0**	**0.0**	**5.9**	**0.0**	**2**	**0.9**	**3.0**
USG 3783	**104.6**	**92.1**	**12.4**	**56.3**	**52.9**	**3.4**	**110.3**	**109.7**	**0.0**	**0.7**	**0**	**0.0**	**0.0**	**0.0**	**5.6**	**0.5**	**8**	**1.5**	**2.5**
PIONEER 26R41	**103.0**	**91.8**	**11.1**	**57.3**	**54.9**	**2.4**	**106.0**	**105.0**	**0.0**	**0.7**	**0**	**0.3**	**1.0**	**-0.7**	**5.9**	**0.0**	**18**	**2.1**	**3.0**
AR11051-15-3	91.9	91.6	0.3	58.5	56.9	1.6	103.7	103.0	0.3	1.0	0	0.3	1.0	-0.7	5.0	0.5	8	2.1	4.0
LA14269C-9-3	100.2	91.5	8.7	57.1	56.0	1.1	93.3	94.7	0.0	1.3	0	1.0	1.3	-0.3	5.9	2.5	28	4.4	3.5
GA 151254-LDH071-19E32	97.9	91.0	6.9	57.9	55.1	2.8	99.3	101.0	1.7	1.7	0	2.0	2.7	-0.7	5.4	2.0	30	6.0	3.0
AGS 4023	**89.5**	**90.8**	**-1.3**	**58.8**	**56.8**	**2.0**	**104.0**	**104.0**	**0.0**	**2.0**	**0**	**1.0**	**1.3**	**-0.3**	**5.6**	**0.5**	**15**	**4.3**	**4.0**
DYNA-GRO 9002	**100.5**	**90.7**	**9.8**	**56.0**	**52.7**	**3.3**	**106.3**	**106.3**	**0.0**	**0.7**	**0**	**0.3**	**0.7**	**-0.3**	**5.8**	**0.5**	**10**	**2.5**	**5.0**
GA 111055-19LE12	93.4	90.2	3.2	57.2	55.0	2.3	104.3	104.3	0.0	0.7	1	1.0	1.7	-0.7	5.8	1.5	33	6.9	2.5
TX17D2337	96.8	89.9	6.9	58.1	56.0	2.1	103.7	102.7	0.0	0.0	0	1.3	2.0	-0.7	5.3	1.0	38	7.7	2.0
DYNA-GRO PLANTATION	**108.9**	**89.8**	**19.1**	**58.5**	**55.7**	**2.7**	**99.3**	**100.3**	**0.7**	**3.3**	**2**	**2.0**	**2.0**	**0.0**	**5.9**	**3.5**	**28**	**8.8**	**3.0**
LA15203-LDH112	96.0	88.7	7.3	57.6	55.1	2.5	105.3	104.7	0.0	1.0	0	0.0	1.3	-1.3	5.2	0.5	10	2.3	3.0
LWX22A	102.2	88.6	13.6	58.5	54.9	3.7	106.0	107.0	0.0	1.0	0	0.0	0.3	-0.3	5.2	0.0	8	1.1	3.5
AGS 2055	**102.9**	**88.5**	**14.4**	**56.5**	**53.7**	**2.8**	**104.7**	**104.3**	**0.0**	**1.7**	**0**	**1.0**	**1.7**	**-0.7**	**6.0**	**1.0**	**38**	**7.7**	**3.5**
GA 151313-LDH224-19E38	90.7	87.8	2.8	56.8	54.3	2.5	99.7	100.3	0.3	1.0	0	1.0	1.7	-0.7	5.6	1.0	13	1.7	4.5
LA12275DH-56	86.8	87.1	-0.3	58.5	57.0	1.5	103.7	103.3	0.3	0.0	0	1.0	2.0	-1.0	5.7	1.0	10	1.2	3.5
LA15203-LDH274	92.5	86.9	5.6	56.9	54.7	2.2	83.0	84.0	0.7	3.0	0	1.0	2.0	-1.0	6.3	3.5	18	4.1	3.0

Brand/Variety	Grain Yield (bu/a) Fung*	Grain Yield (bu/a) No Fung	Test Weight (lbs/bu) Fung	Test Weight (lbs/bu) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Head Day (of year) Fung	Head Day (of year) No Fung	Lodgign (0-9) Fung	Lodging (0-9) No Fung	Stripe Rust (%)	FHB Score Field (0-9) Fung	FHB Score Field (0-9) No Fung	FHB Score Field (0-9) Diff	Phenotpye (0-9) Fung	Misted Nursery FHB (0-9)	Misted Nursery FDK (0-9)	Misted Nursery DON (ppm)	Misted Nursery Seed Quality (0-9)
AGRIMAXX 481	**101.6**	**86.5**	**15.1**	**58.7**	**55.2**	**3.5**	**100.0**	**101.0**	**0.0**	**0.0**	**0**	**1.0**	**3.0**	**-2.0**	**6.0**	**2.5**	**11**	**8.0**	**5.0**
LANC11558-33	102.0	86.1	15.9	57.9	53.7	4.2	99.0	99.3	0.3	2.0	0	1.3	1.3	0.0	6.1	2.5	15	3.1	3.0
PIONEER 26R59	**103.2**	**85.6**	**17.6**	**55.2**	**50.3**	**4.9**	**109.7**	**106.7**	**0.0**	**0.3**	**0**	**0.3**	**0.3**	**0.0**	**5.7**	**0.5**	**13**	**2.0**	**4.0**
GA 11052-19LE15	100.5	84.9	15.7	58.1	55.0	3.1	108.3	111.0	0.0	0.7	0	0.3	0.7	-0.3	5.0	0.5	13	1.5	2.5
LA15166-LDH296	101.1	83.1	18.0	56.4	54.4	2.0	107.0	104.7	1.0	2.7	0	0.3	1.0	-0.7	5.4	0.5	20	4.1	3.0
SY VIPER	**101.0**	**82.2**	**18.8**	**58.0**	**53.6**	**4.4**	**104.7**	**104.3**	**0.3**	**2.0**	**0**	**0.0**	**1.0**	**-1.0**	**5.4**	**0.5**	**23**	**3.0**	**3.0**
DYNA-GRO 9172	**108.4**	**81.5**	**26.8**	**57.2**	**52.4**	**4.8**	**105.0**	**105.0**	**0.0**	**1.3**	**0**	**0.0**	**0.0**	**0.0**	**5.0**	**0.0**	**5**	**2.1**	**6.0**
USG 3352	**98.7**	**81.1**	**17.6**	**56.2**	**52.9**	**3.3**	**111.0**	**108.3**	**0.7**	**2.7**	**0**	**0.0**	**0.0**	**0.0**	**5.1**	**0.5**	**5**	**1.3**	**2.0**
GANC 12642-19LE16F	97.3	79.4	18.0	56.9	53.6	3.3	104.3	103.7	0.0	1.0	7	0.7	1.0	-0.3	5.2	0.0	18	2.8	3.0
USG 3472	**113.3**	**78.8**	**34.5**	**57.6**	**52.4**	**5.2**	**106.0**	**104.7**	**0.0**	**1.0**	**0**	**0.7**	**1.0**	**-0.3**	**5.7**	**0.5**	**8**	**2.7**	**5.5**
LA14188C-68-1	73.9	77.6	-3.7	59.1	56.9	2.2	85.0	83.3	2.3	2.0	0	0.7	2.0	-1.3	6.1	3.0	8	2.7	4.0
AGRIMAXX EXP2105	102.5	70.1	32.4	57.0	51.3	5.7	111.0	107.7	0.3	4.3	0	0.0	0.0	0.0	5.1	0.0	10	1.9	4.0
MEAN	**101.0**	**92.1**	**8.9**	**57.3**	**54.7**	**2.7**	**100.3**	**100.4**	**0.4**	**1.0**	**0**	**0.8**	**1.5**	**-0.7**	**5.8**	**1.4**	**18**	**4.3**	**3.5**
CV%	**6**	**7**		**1**	**2**		**2**	**2**	**222**	**104**	**378**	**64**	**42**		**8.3**	**52**	**41**	**56**	**23**
LSD(0.10)	**8.4**	**8.9**		**0.1**	**1.4**		**2.5**	**2.8**	**NS**	**1.5**	**1.6**	**0.7**	**0.8**		**0.7**	**1.2**	**12.1**	**4.1**	**1.3**
R-SQUARE	**0.70**	**0.63**		**0.80**	**0.74**		**0.97**	**0.95**	**0.41**	**0.56**	**0.51**	**0.71**	**0.84**		**0.60**	**0.90**	**0.87**	**0.89**	**0.71**

Bolded: *"Brand/Variety" indicates the entry is commercially available; others are nonreleased breeding lines.*
LOD: *Lodging score on a scale of 0 = none to 9 = 100% lodged.*
****fung:*** *Fungicide data columns are from Alexandria and Winnsboro only. None columns also include Bosssier City.*
NS (not significant): *Variety mean differences were not statistically significant.*
Misted nursery: *Inoculated with scabby corn and mist irrigated to create heavy Fusarium headblight pressure.*
Phenotpye: *Overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.*
FHB score: *FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.*
FDK *is percent Fusarium damaged kernels from yield plots and from a misted and inoculated nursery.*
DON *is Fusarium mycotoxim (deoxynivalenol) in parts permillion.*
Seed quality (SDQ): *Relative, visual rating of seed plumpness, uniformity and visible defects (disease, insect damage, etc.), 0 = poor.*
Macon Ridge Research Station*, Winnsboro, Louisiana. Trey Price, Steve Harrison, Dustin Ezell, Myra Purvis, Kelly Arceneaux, Allysson Harding, Hanamareddy Biradar and Katie McCarthy Fontenot.*
Cultural: *Planted 11/3/21. Zidua (3.25 oz/A) + metribuzin (2 oz/A) applied on 11/30/21. 30-0-0-2S topdress (50# N/A) on 2/14/22 and 3/3/22.Miravis Ace (13.7 oz/acre) applied to fungicide split reps at flag lelaf and heading stages.*

Table 20. Fusarium headblight misted nursery data from Baton Rouge misted nurseries for South Louisiana wheat variety trials.

Brand/Variety	PID	2022 FHB Reaction Type	FHB Index Baton Rouge 2022	FHB Score (0-9) Baton Rouge 2022	FDK (%) Baton Rouge 2022	FHB DON (PPM) Baton Rouge 2022
AGRIMAXX 481	LW1901		**12.2**	5.0	40	7
AGRIMAXX 492	LW1804		**12.4**	2.0	30	12
AGS 2021	LW2202		**18.8**	7.5	45	15
AGS 2055	LW1533	Requires two years of data.	**51.9**	6.5	70	68
AGS 3015	LW1913		**9.3**	5.0	23	7
AGS 3022	LW2116		**10.3**	3.5	28	8
AGS 4023	LW2126		**10.5**	4.5	38	5
AGS 4043	LW2128		**7.0**	1.5	8	9
AR09137UC-17-2	LW2019		**6.6**	3.5	20	4
DELTA GROW 1800	LW1822		**4.7**	1.5	13	4
DELTA GROW 3500	LW1534		**21.2**	7.0	48	19
DYNA-GRO 9002	LW1907			late	6	1
DYNA-GRO PLANTATION	LW1910		**14.1**	7.0	35	10
DYNA-GRO RIVERLAND	LW2001		**16.0**	7.0	40	12
DYNA-GRO WX20738	LW2104			late	10	2
FL15105-LDH039	LW2226		**3.7**	2.0	10	2
FL16009LDH-16	LW2227		**18.7**	6.0	53	15
FL16045LDH-25	LW2228		**8.9**	5.0	20	6
GA 11052-19LE15	LW2220			late	18	7
GA 111055-19LE12	LW2221		**29.5**	5.0	53	34
GA 121012-19LE8	LW2222		**15.2**	6.0	38	12
GA 151254-LDH071-19E32	LW2223		**21.1**	4.5	45	22
GA 151313-LDH224-19E38	LW2224		**4.3**	2.5	10	3
GANC 12642-19LE16F	LW2225		**7.6**	2.0	15	8
GO WHEAT 6000	LW2016		**15.6**	5.5	40	13
GO WHEAT LA754	LW1730		**18.1**	6.5	50	14
LA12275DH-56	LW2008		**11.8**	5.0	35	8
LA13154D-WN1	LW2009		**15.0**	6.5	35	12
LA13235D-66-3	LW2206		**10.8**	4.5	35	6
LA14152SB-BR52-3	LW2207		**10.7**	4.5	23	9
LA14159SB-BR1-1	LW2208		**13.8**	4.5	38	11
LA14188C-68-1	LW2209		**2.3**	2.5	3	1

Brand/Variety	PID	2022 FHB Reaction Type	FHB Index Baton Rouge 2022	FHB Score (0-9) Baton Rouge 2022	FDK (%) Baton Rouge 2022	FHB DON (PPM) Baton Rouge 2022
LA14188CBB-4	LW2210		**8.0**	4.5	15	7
LA14234CBW-31	LW2211		**10.1**	3.0	20	10
LA14261C-45-2	LW2212		**8.7**	3.5	20	7
LA14269C-9-3	LW2213		**6.1**	1.5	18	5
LA15093SB-30-2	LW2214		**5.3**	3.0	15	3
LA15166-LDH296	LW2113			late	3	2
LA15203-LDH112	LW2013			late	8	2
LA15203-LDH274	LW2114		**8.6**	4.5	20	6
LANC11558-33	LW2015		**4.5**	2.0	13	3
LIBERTY 5658	LW1909		**5.1**	1.5	15	4
PIONEER 26R94	LW1322		**26.0**	6.5	35	31
PROGENY #CHAD	LW2006		**11.0**	2.5	20	12
REVERE 2026	LW2110		**15.7**	8.5	65	4
TX16DDH579	LW2215		**25.7**	6.0	53	27
TX17D2337	LW2216		**9.0**	3.5	23	7
VA17W-75	LW2229		**3.1**	2.0	5	3
MEAN			**12.0**	**4.4**	**27**	**10**
CV%				**15**	**32**	**59**
LSD(0.10)				**1.1**	**15**	**10**
R-SQUARE				**0.95**	**0.89**	**0.87**

FHB reaction type *is observed reaction based on FDK and DON for two or more years.*
Reaction types *are resistant, moderately resistant, moderately susceptible and susceptible.*
FHB index *is a numerical rating that is [2*(FHB% MEAN + 2*FDK% MEAN + 3*DON% MEAN)]. It weighs FHB once, FDK twice and DON three times because FDK and DON determines rejection. It standardized two versus three years by using percent of the mean rather than numerical value.*
Contains data *from misted nurseries at Winnsboro in 2018, 2019, 2020 and 2021.*
FHB *rating is a 0-9 score of head symptoms, where a 0 indicates no symptoms and a 9 indicates complete head coverage.*
FDK *is percent Fusarium damaged kernels determined by visual inspection and comparison to standards.*
DON *is parts per million of Deoxynivalenol toxin.*

Table 21. Fusarium headblight misted nursery data from Alexandria and Winnsboro misted nurseries for early wheat variety trials.

Brand/Variety	PID		FHB INDEX 3-YR	FHB INDEX 2-YR	FHB INDEX 2022	FHB INDEX 2021	FHB INDEX 2020	FHB SCORE AVG	FHB SCORE 2022 (AX + WN)	FHB SCORE 2021 (AX + WN)	FHB SCORE 202 WN	FDK PERCENT AVG	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2020 WN	DON PPM AVG	DON PPM 2022 (AX + WN)	DON PPM 2021 (AX + WN)	DON PPM 2020 (WN)
AGS 3015	LW1913	**MOD-RESISTANT**	**8.4**	**7.2**	**7.1**	**7.4**	**6.4**	**4.7**	2.0	3.5	8.5	**18**	19	29	8	**5**	4	4	7
AGS 3022	LW2116	**MOD-RESISTANT**	**7.6**	**7.5**	**7.8**	**7.2**		**2.6**	1.8	3.5		**25**	19	32		**4**	5	3	
DYNA-GRO RIVERLAND	LW2001	**MOD-RESISTANT**	**8.2**	**8.1**	**4.1**	**12.1**		**2.7**	1.3	4.0		**21**	10	31		**6**	2	9	
DELTA GROW 3500	LW1534	**MOD-SUSCEPTIBLE**	**13.4**	**13.3**	**15.5**	**11.2**	**8.5**	**5.1**	3.1	5.3	7.0	**30**	39	39	13	**10**	10	6	12
DYNA-GRO PLANTATION	LW1910	**MOD-SUSCEPTIBLE**	**15.4**	**15.6**	**17.6**	**13.6**		**5.4**	4.6	6.3		**38**	35	40		**11**	13	9	
PIONEER 26R94	LW1322	**MOD-SUSCEPTIBLE**	**15.2**	**16.0**	**19.8**	**12.2**	**7.7**	**4.6**	3.6	4.8	5.5	**25**	34	34	8	**13**	17	9	14
AGS 2055	LW1533	**SUSCEPTIBLE**	**27.9**	**21.6**	**22.5**	**20.7**	**25.4**	**5.3**	2.5	6.0	7.5	**48**	45	56	43	**26**	20	16	43
LA14152SB-BR52-3	LW2207				**8.3**			**3.0**	3.0			**23**	23			**4**	4		
LA14159SB-BR1-1	LW2208	**ONLY ONE YEAR OF DATA**			**9.2**			**2.6**	2.6			**20**	20			**6**	6		
FL15105-LDH039	LW2226				**7.6**			**2.5**	2.5			**19**	19			**4**	4		
FL16009LDH-16	LW2227				**8.8**			**3.0**	3.0			**21**	21			**5**	5		
FL16045LDH-25	LW2228				**15.5**			**5.4**	5.4			**29**	29			**11**	11		
MEAN			**13.7**	**12.8**	**12.0**	**12.1**	**12.0**	**3.9**	**3.0**	**4.7**	**7.1**	**32**	**26**	**38**	**18**	**8**	**8**	**8**	**19**
CV%									**29**	**43**		**29**	**29**	**60**			**29**	**125**	
LSD(0.10)									**2.0**	**NS**		**2**	**12**	**NS**			**11**	**NS**	

FHB reaction type *is observed reaction based on FDK and DON for two or more years.*
Reaction types *are resistant, moderately resistant, moderately susceptible and susceptible.*
FHB index *is a numerical rating that is [2*(FHB% MEAN + 2*FDK% MEAN + 3*DON% MEAN)]. It weighs FHB once, FDK twice and DON three times because FDK and DON determines rejection. It standardized two versus three years by using percent of the mean rather than numerical value.*
Contains data *from misted nurseries at Winnsboro in 2018, 2019, 2020 and 2021.*
FHB *rating is a 0-9 score of head symptoms, where a 0 indicates no symptoms and a 9 indicates complete head coverage.*
FDK *is percent Fusarium damaged kernels determined by visual inspection and comparison to standards.*
DON *is parts per million of Deoxynivalenol toxin.*

Table 22. Fusarium headblight misted nursery data from Alexandria and Winnsboro misted nurseries for normal wheat variety trials.

Brand/Variety	PID		FHB INDEX 3-YR	FHB INDEX 2-YR	FHB INDEX 2022	FHB INDEX 2021	FHB INDEX 2020	FHB SCORE AVG	FHB SCORE 2022 (AX + WN)	FHB SCORE 2021 (AX + WN)	FHB SCORE 202 WN	FDK PERCENT AVG	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2020 WN	DON PPM AVG	DON PPM 2022 (AX + WN)	DON PPM 2021 (AX + WN)	DON PPM 2020 (WN)
AGRIMAXX 473	LW1701	**RESISTANT**	**5.1**	**6.2**	4.5	7.9	2.9	**0.8**	0.3	1.3	0.8	**11.6**	9	25	1	**3.9**	4	5	3
PROGENY #BULLET	LW1621	**RESISTANT**	**5.5**	**6.5**	4.9	8.1	3.4	**1.4**	1.9	1.7	0.8	**9.8**	2	26	1	**4.0**	4	5	3
DYNA-GRO 9172	LW2103	**RESISTANT**		**6.7**	5.5	7.9		**1.0**	0.3	1.8		**16.3**	10	23		**5.0**	5	5	
LIBERTY 5658	LW1909	**RESISTANT**	**8.0**	**8.1**	8.0	8.3	7.8	**2.4**	2.0	2.8	2.5	**14.8**	16	24	4	**4.7**	4	5	5
DYNA-GRO 9002	LW1907	**RESISTANT**	**6.4**	**8.2**	6.3	10.1	2.8	**1.9**	1.0	3.3	1.5	**14.9**	15	29	1	**3.9**	4	6	2
DELTA GROW 1000	LW1607	**RESISTANT**	**6.7**	**8.3**	6.7	9.8	3.7	**1.3**	0.9	2.0	1.0	**14.1**	14	28	1	**4.9**	5	7	3
DELTA GROW 1800	LW1822	**MOD-RESISTANT**	**8.8**	**8.3**	7.7	9.0	9.6	**2.5**	1.4	1.7	4.5	**16.0**	16	26	6	**5.1**	4	6	5
PROGENY #BINGO	LW2004	**MOD-RESISTANT**	**7.6**	**8.5**	6.6	10.4	5.8	**1.0**	0.6	1.8	0.8	**14.0**	11	29	2	**5.7**	4	7	6
AGRIMAXX 514	LW2101	**MOD-RESISTANT**		**9.2**	7.0	11.3		**1.1**	0.4	1.8		**21.3**	11	31		**6.6**	5	8	
PROGENY #BUSTER	LW1929	**MOD-RESISTANT**	**8.6**	**9.3**	8.5	10.2	7.1	**1.8**	1.8	2.7	1.0	**15.6**	15	29	3	**6.0**	5	6	6
LANC11558-33	LW2015	**MOD-RESISTANT**	**11.4**	**9.8**	11.2	8.4	14.7	**5.0**	2.6	4.8	7.8	**17.2**	23	21	8	**6.9**	9	4	8
DYNA-GRO 9811	LW1728	**MOD-RESISTANT**	**9.4**	**9.9**	10.0	9.7	8.6	**2.1**	2.3	1.8	2.3	**19.3**	23	30	5	**5.7**	5	6	6
LA15166-LDH296	LW2113	**MOD-RESISTANT**		**10.1**	9.1	11.0		**2.6**	1.5	3.8		**23.8**	19	29		**6.3**	6	7	
DYNA-GRO WX20738	LW2104	**MOD-RESISTANT**		**10.2**	9.7	10.6		**2.9**	1.5	4.3		**24.4**	20	29		**6.9**	8	6	
LA15203-LDH112	LW2013	**MOD-RESISTANT**	**8.5**	**10.2**	8.8	11.5	5.1	**1.8**	1.5	3.0	1.0	**16.2**	18	30	1	**6.2**	6	8	5
LA15203-LDH274	LW2114	**MOD-RESISTANT**		**10.2**	10.5	9.9		**2.8**	4.0	1.5		**21.3**	18	25		**5.6**	4	8	
LA12275DH-56	LW2008	**MOD-RESISTANT**	**10.8**	**10.6**	8.5	12.6	11.1	**3.3**	2.0	3.5	4.3	**17.5**	14	33	6	**6.1**	3	8	7
AR11051-15-3	LW2123	**MOD-RESISTANT**		**10.6**	9.3	11.9		**2.3**	2.4	2.3		**25.6**	15	36		**6.4**	5	8	
GO WHEAT 6000	LW2016	**MOD-RESISTANT**	**11.1**	**10.7**	10.9	10.5	12.0	**4.0**	2.9	4.3	4.8	**18.9**	21	29	7	**6.6**	7	6	7
PROGENY #CHAD	LW2006	**MOD-RESISTANT**	**10.1**	**11.0**	9.3	12.7	8.3	**3.8**	2.0	3.0	6.3	**16.9**	16	33	2	**6.6**	6	9	5
AGRIMAXX 492	LW1804	**MOD-SUSCEPTIBLE**	**12.8**	**11.3**	10.6	12.1	15.6	**3.4**	1.9	4.0	4.3	**19.3**	19	26	13	**7.9**	7	8	8
AGRIMAXX 481	LW1901	**MOD-SUSCEPTIBLE**	**14.1**	**11.4**	14.7	8.2	19.5	**4.5**	3.4	4.0	6.3	**21.3**	28	21	15	**9.6**	15	4	10
AGS 4023	LW2126	**MOD-SUSCEPTIBLE**		**11.6**	12.4	10.9		**2.6**	2.3	3.0		**23.8**	25	23		**8.4**	9	8	
SY VIPER	LW1529	**MOD-SUSCEPTIBLE**	**11.8**	**11.7**	12.1	11.3	12.0	**2.3**	1.3	3.8	1.8	**18.6**	25	28	3	**9.2**	8	7	12
PIONEER 26R45	LW1814	**MOD-SUSCEPTIBLE**	**9.9**	**12.1**	7.3	17.0	5.4	**1.9**	0.6	4.0	1.0	**15.3**	8	38	1	**7.6**	5	13	6
PIONEER 26R41	LW1201	**MOD-SUSCEPTIBLE**		**13.2**	11.8	14.6		**1.7**	1.6	1.8		**31.9**	24	40		**8.7**	6	11	

Brand/Variety	PID		FHB INDEX 3-YR	FHB INDEX 2-YR	FHB INDEX 2022	FHB INDEX 2021	FHB INDEX 2020	FHB SCORE AVG	FHB SCORE 2022 (AX + WN)	FHB SCORE 2021 (AX + WN)	FHB SCORE 202 WN	FDK PERCENT AVG	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2020 WN	DON PPM AVG	DON PPM 2022 (AX + WN)	DON PPM 2021 (AX + WN)	DON PPM 2020 (WN)
PIONEER 26R59	LW1523	**MOD-SUSCEPTIBLE**	**12.1**	**14.3**	12.2	16.4	7.7	**2.3**	2.0	3.5	1.5	**26.3**	25	50	4	**8.5**	9	10	6
AGS 4043	LW2128	**MOD-SUSCEPTIBLE**		**14.5**	10.5	18.6		**3.3**	1.5	5.0		**29.4**	14	45		**9.4**	6	13	
AR09137UC-17-2	LW2019	**MOD-SUSCEPTIBLE**	**13.3**	**14.9**	12.4	17.3	10.2	**3.4**	1.8	5.5	3.0	**23.8**	28	39	5	**8.5**	7	12	7
DELTA GROW 1200	LW2131	**MOD-SUSCEPTIBLE**		**15.0**	10.5	19.4		**2.8**	0.6	5.0		**29.4**	16	43		**10.0**	6	14	
LA13154D-WN1	LW2009	**SUSCEPTIBLE**	**16.4**	**16.9**	18.0	15.8	15.5	**4.6**	5.0	3.5	5.3	**31.7**	36	48	11	**10.2**	12	10	8
DYNA-GRO RIVERLAND	LW2001	**SUSCEPTIBLE**	**21.7**	**17.7**	21.8	13.7	29.6	**4.7**	4.9	4.0	5.3	**31.3**	39	31	24	**15.1**	18	9	18
DYNA-GRO PLANTATION	LW1910	**SUSCEPTIBLE**	**19.5**	**17.9**	20.1	15.7	22.6	**5.5**	4.6	6.3	5.8	**33.0**	40	40	19	**12.7**	17	9	12
GO WHEAT LA754	LW1730	**SUSCEPTIBLE**	**21.1**	**20.2**	29.0	11.3	22.9	**5.8**	6.5	4.0	6.8	**35.4**	63	23	21	**17.4**	34	8	10
AGS 2055	LW1533	**SUSCEPTIBLE**	**26.1**	**20.9**	28.2	13.7	36.3	**3.9**	2.6	5.0	4.0	**37.9**	51	39	24	**23.7**	36	7	28
REVERE 2026	LW2110	**SUSCEPTIBLE**		**22.5**	28.7	16.3		**6.3**	6.9	5.8		**53.1**	63	44		**16.4**	23	9	
AGRIMAXX EXP2105	LW2201				7.2			**0.3**	0.3			**13.8**	14			**6.4**	6		
AGS 2021	LW2202	**ONLY ONE YEAR OF DATA**			20.3			**5.8**	5.8			**47.5**	48			**9.7**	10		
AGS 3022	LW2116				12.3			**2.8**	2.8			**26.3**	26			**7.4**	7		
GA 11052-19LE15	LW2220				6.0			**1.1**	1.1			**15.0**	15			**3.3**	3		
GA 111055-19LE12	LW2221				27.2			**3.8**	3.8			**48.8**	49			**21.5**	21		
GA 121012-19LE8	LW2222				15.1			**3.8**	3.8			**26.3**	26			**10.1**	10		
GA 151254-LDH071-19E32	LW2223				23.1			**4.1**	4.1			**42.5**	43			**16.8**	17		
GA 151313-LDH224-19E38	LW2224				9.6			**2.9**	2.9			**20.0**	20			**5.0**	5		
GANC 12642-19LE16F	LW2225				11.6			**1.1**	1.1			**23.8**	24			**9.0**	9		
GP 348	LW2203				10.5			**2.1**	2.1			**22.5**	23			**6.6**	7		
GP 381	LW2204				12.9			**2.3**	2.3			**21.3**	21			**10.1**	10		
LA13235D-66-3	LW2206				14.8			**3.0**	3.0			**33.8**	34			**8.7**	9		
LA14188C-68-1	LW2209				4.3			**2.0**	2.0			**5.3**	5			**2.3**	2		
LA14188CBB-4	LW2210				7.6			**3.5**	3.5			**12.5**	13			**3.3**	3		
LA14234CBW-31	LW2211				9.7			**3.3**	3.3			**20.0**	20			**4.7**	5		
LA14261C-45-2	LW2212				8.5			**2.1**	2.1			**18.8**	19			**4.7**	5		
LA14269C-9-3	LW2213				12.0			**2.5**	2.5			**27.5**	28			**7.0**	7		

Brand/Variety	PID		FHB INDEX 3-YR	FHB INDEX 2-YR	FHB INDEX 2022	FHB INDEX 2021	FHB INDEX 2020	FHB SCORE AVG	FHB SCORE 2022 (AX + WN)	FHB SCORE 2021 (AX + WN)	FHB SCORE 202 WN	FDK PERCENT AVG	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2022 (AX + WN)	FDK PERCENT 2020 WN	DON PPM AVG	DON PPM 2022 (AX + WN)	DON PPM 2021 (AX + WN)	DON PPM 2020 (WN)
LA15093SB-30-2	LW2214				10.8			**1.8**	1.8			**31.3**	31			**5.4**	5		
LWX22A	LW2110				4.3			**1.0**	1.0			**8.8**	9			**2.6**	3		
PROGENY #TURBO	LW1622				6.2			**1.6**	1.6			**13.8**	14			**3.3**	3		
TX16DDH579	LW2215				22.1			**4.5**	4.5			**36.3**	36			**16.5**	17		
TX17D2337	LW2216				20.5			**2.8**	2.8			**41.3**	41			**15.2**	15		
USG 3352	LW2217				6.6			**0.9**	0.9			**13.3**	13			**4.9**	5		
USG 3472	LW2218				4.1			**0.5**	0.5			**6.3**	6			**3.5**	4		
USG 3783	LW2219				8.1			**1.5**	1.5			**17.5**	18			**5.2**	5		
V+C60+50:6+5:66	LW2229				4.7			**1.0**	1.0			**12.5**	13			**2.2**	2		
MEAN			**11.9**	**11.9**	**11.7**			**3.0**	**2.3**	**3.4**	**3.4**	**20.6**	**23**	**32**	**8**	**8.0**	**8**	**8**	**8**
CV%									**48**	**41**	**26**		**32**	**35**	**102**		**61**	**51**	**37**
LSD(0.10)									**2**	**2**	**3**		**12**	**17**	**NS**		**10**	**NS**	**9**
R-SQUARE									**0.86**	**0.76**	**0.95**		**0.89**	**0.84**	**0.77**		**0.86**	**0.84**	**0.92**

FHB reaction type i*s observed reaction based on FDK and DON for two or more years.*
Reaction types *are resistant, moderately resistant, moderately susceptible and susceptible.*
FHB index *is a numerical rating that is [2*(FHB% MEAN + 2*FDK% MEAN + 3*DON% MEAN)]. It weighs FHB once, FDK twice and DON three times because FDK and DON determines rejection. It standardized two versus three years by using percent of the mean rather than numerical value.*
Contains data *from misted nurseries at Winnsboro in 2018, 2019, 2020 and 2021.*
FHB *rating is a 0-9 score of head symptoms, where a 0 indicates no symptoms and a 9 indicates complete head coverage.*
FDK *is percent Fusarium damaged kernels determined by visual inspection and comparison to standards.*
DON *is parts per million of Deoxynivalenol toxin.*

Table 23. 2022 Oat variety trial across four Louisiana locations.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Leafiness (0-9)	Head Day (of year)	Plant Height (inches)	Lodging Score (0-9)	Crown Rust (%)	Stem Rust (%)	Phenotype (0-9)
LA11074SBSBSBSB109-2	109.7	28.3	3.7	5.5	93.6	41.0	3.8	19	0	5.5
FL1035-2	99.1	35.4	4.0	6.2	91.3	46.5	3.2	17	0	5.6
LA14100SBS-43-1	95.3	31.8	5.8	6.0	98.4	49.2	3.0	14	1	5.4
LA14105SBSBS56-1	91.9	28.6	5.0	5.8	99.0	44.6	6.0	19	5	5.6
LA14063SBS-34-1-1	90.1	30.5	4.3	4.2	95.8	46.7	4.8	17	0	5.4
LA15015SB-S50	87.0	32.8	4.2	6.5	100.8	44.9	5.8	17	1	5.8
LA14032SBS-163-2	85.5	32.4	4.3	5.3	100.6	46.2	5.1	13	7	5.5
HORIZON 270	**85.0**	**31.0**	**4.7**	**4.0**	**94.1**	**41.5**	**4.8**	**20**	**36**	**4.6**
LA09015SBS-U4	84.3	31.6	4.8	5.8	97.0	44.7	4.9	20	0	5.3
FL13097-1	80.9	30.0	4.0	4.7	91.4	42.7	6.2	17	15	4.5
SAVAGE	**79.7**	**30.2**	**4.5**	**6.5**	**97.8**	**47.3**	**2.8**	**11**	**1**	**6.0**
LA99016 CK	**77.0**	**31.2**	**6.0**	**6.3**	**99.0**	**46.2**	**5.4**	**20**	**34**	**5.7**
FL0720-R6 (SWEET CAROLINE)	**77.0**	**29.4**	**4.2**	**5.3**	**101.1**	**48.8**	**6.5**	**20**	**11**	**5.4**
HORIZON 306	**76.3**	**31.1**	**4.5**	**4.3**	**101.4**	**43.1**	**5.5**	**20**	**23**	**5.3**
TAMO412	**75.3**	**30.6**	**5.8**	**4.8**	**99.3**	**40.5**	**6.5**	**0**	**19**	**5.1**
LA13003SBSBS33-1-1	73.3	31.6	5.8	4.7	98.1	46.0	7.2	16	18	5.9
FL13057-4	70.9	32.8	3.8	4.0	88.3	43.4	3.2	14	2	4.1
FL13084-8	70.8	33.5	3.8	5.3	93.4	44.6	4.5	19	18	4.8
FL13088-3	66.0	28.2	3.8	5.5	96.3	41.4	4.6	17	20	4.8
FL13088-4	64.5	27.8	3.7	4.2	89.0	40.2	5.9	16	9	4.4
LA17077SBS-29-1	47.7	26.8	5.8	5.3	105.6	47.7	4.8	9	40	4.7
BROOKS CK	**30.8**	**22.5**	**4.2**	**4.7**	**97.9**	**46.0**	**8.3**	**61**	**26**	**4.3**
MEAN	**78.1**	**30.5**	**4.6**	**5.2**	**96.8**	**44.7**	**5.1**	**18.0**	**12.9**	**5.2**
CV%	**17.6**	**5.7**	**9.5**	**13.9**	**1.6**	**5.4**	**30.3**	**19.7**	**54.6**	**7.6**
LSD(0.10)	**21.8**	**2.3**			**3.3**	**2.5**	**2.1**	**16.6**	**NS**	**0.7**
R-SQUARE	**0.87**	**0.87**	**0.83**	**0.68**	**0.98**	**0.78**	**0.88**	**0.99**	**0.92**	**0.84**

NS *indicates nonsignificant differences between varieties. Lsd for stem rust incidence NS is becasue there were very large differences between experiments and this masked varietal differences.*

Growth Habit: *0 = very early springlike; 9 = very late winter/prostrate.*

Leafiness: *0 = poor leafiness/forage; 9 = excellent forage potential/very leafy.*

Phenotype general appearance *(vigor, color, tillering, etc). Average of overal rating in winter and spring. 0 = poor, 9 = excellent.*

The correlation between grain yield and stem rust = -0.609, which indicates that stem rust had a big influence on yield.

Table 24. Oat variety trial across Louisiana for two years.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Leafiness (0-9)	Head Day (of year)	Plant Height (inches)	Lodging Score (0-9)	Crown Rust (%)	Stem Rust (%)	Phenotype (0-9)
LA14100SBS-43-1	93.1	32.1	5.2	5.5	95.7	49.2	2.6	12	1	5.7
HORIZON 270	**86.1**	**31.2**	**4.6**	**4.1**	**92.1**	**41.5**	**4.4**	**20**	**36**	**4.8**
LA99016 CK	**79.4**	**31.7**	**5.9**	**5.9**	**96.6**	**46.2**	**4.9**	**19**	**34**	**6.0**
SAVAGE	**79.2**	**30.0**	**4.9**	**5.9**	**94.9**	**47.3**	**3.2**	**14**	**1**	**5.8**
HORIZON 306	**76.8**	**31.9**	**5.1**	**5.0**	**99.0**	**43.1**	**5.4**	**23**	**23**	**5.6**
FL0720-R6 (SWEET CAROLINE)	**72.1**	**30.1**	**4.7**	**5.0**	**98.5**	**48.8**	**6.9**	**28**	**11**	**4.9**
BROOKS CK	**34.4**	**24.0**	**4.3**	**4.6**	**94.7**	**46.0**	**8.5**	**66**	**26**	**4.3**
MEAN	**74.4**	**30.3**	**5.0**	**5.2**	**95.9**	**46.0**	**5.1**	**26**	**19**	**5.3**
CV%	**20**	**8**	**8**	**12**	**1**	**6**	**24**	**28**	**49**	**9**
LSD(0.10)	**15.2**	**2.3**	**0.7**	**0.8**	**1.3**	**1.7**	**2.0**	**18.1**	**NS**	**0.7**
R-SQUARE	**0.87**	**0.84**	**0.83**	**0.79**	**0.98**	**0.82**	**0.92**	**0.97**	**0.93**	**0.85**

Trial Information: *Contains data from 2021 Baton Rouge and Winnsboro and 2022 Alexandria, Baton Rouge, Bossier City and Winnsboro.*

Table 25. 2022 Oat variety trial at Alexandria.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Heading Day (of year)	Plant Height (inches)	Lodging Score (0-9)
LA11074SBSBSBSB109-2	111.0	27.5	87.0	40.0	9.0
LA14063SBS-34-1-1	106.9	31.0	90.0	45.6	8.7
LA14105SBSBS56-1	95.8	29.3	97.7	41.5	9.0
LA14100SBS-43-1	92.9	31.6	94.0	46.4	8.7
FL13097-1	92.1	30.2	86.0	41.6	8.7
FL0720-R6 (SWEET CAROLINE)	**91.9**	**28.2**	**97.3**	**45.5**	**8.7**
LA99016 CK	**91.7**	**31.8**	**96.7**	**43.9**	**8.0**
LA14032SBS-163-2	91.6	31.8	94.3	44.5	9.0
HORIZON 270	**88.5**	**31.7**	**89.3**	**38.1**	**8.7**
LA09015SBS-U4	87.0	32.2	90.7	42.6	8.7
LA13003SBSBS33-1-1	81.8	32.2	94.3	43.5	9.0
LA15015SB-S50	81.2	32.3	97.7	44.1	8.7
HORIZON 306	80.8	28.6	98.0	39.3	9.0
FL13057-4	80.0	32.0	81.3	42.0	6.3
FL1035-2	80.0	34.6	86.0	45.8	5.7
TAMO412	79.5	31.1	95.7	37.6	9.0
SAVAGE	**74.7**	**30.6**	**92.7**	**42.8**	**7.3**
FL13088-3	71.8	27.6	90.3	40.9	9.0
FL13084-8	67.1	32.2	87.0	43.4	7.7
FL13088-4	54.3	27.2	83.0	38.5	7.7
LA17077SBS-29-1	49.2	22.0	101.0	43.8	9.0
BROOKS CK	**45.6**	**20.6**	**95.0**	**42.0**	**9.0**
MEAN	**81.6**	**29.8**	**92.0**	**42.4**	**8.4**
CV%	**17.7**	**4.8**	**1.3**	**7.2**	**15.7**
LSD(0.10)	**19.8**	**2.0**	**1.6**	**NS**	**NS**
R-SQUARE	**0.72**	**0.89**	**0.97**	**0.61**	**0.74**

Data from: *Dean Lee Research Station, Alexandria, Louisiana. Boyd Padgett, Fred Collins, Laura Lee and Daniel Stephenson.*
Cultural information: *Planted 11/9/21 and harvested 6/1/22. Fertilized 11/8/21 with 200#/acre 0-18-36.*
Topdressed 2/10/22 with 180 #/acre 33-0-0-12S. surfactant. Herb. 12/14/21 Harmony Extra SG @ 0.6 oz/acre +0.25%.

Table 26. 2022 Oat variety trial at Baton Rouge.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Leafiness (0-9)	Head Day (of year)	Lodging Score (0-9)	Crown Rust (%)	Stem Rust (%)	Phenotype (0-9)
FL1035-2	124.7	34.7	7.7	6.2	82.0	0.3	60	0.3	5.8
LA11074SBSBSBSB109-2	112.1	28.4	5.3	5.5	80.5	0.0	65	0.5	6.3
LA09015SBS-U4	99.0	30.3	6.3	5.8	86.5	0.0	60	0.0	5.5
LA14100SBS-43-1	85.9	30.7	5.3	6.0	89.5	0.0	50	0.3	5.5
SAVAGE	**84.0**	**29.6**	**4.3**	**6.5**	**90.5**	**0.0**	**40**	**0.5**	**6.0**
FL13084-8	81.4	33.8	5.7	5.3	81.5	1.7	65	4.3	5.0
LA14063SBS-34-1-1	74.0	29.4	5.0	4.2	86.5	0.7	60	0.5	5.8
FL13097-1	70.8	29.7	5.3	4.7	82.5	2.7	60	5.3	4.3
FL13088-4	70.6	27.7	6.0	4.2	81.0	4.0	55	2.8	4.3
LA14105SBSBS56-1	68.8	24.3	4.0	5.8	88.5	0.7	65	0.3	5.8
LA15015SB-S50	67.4	29.8	5.3	6.5	92.0	0.7	60	0.0	6.3
FL13057-4	62.7	33.9	5.7	4.0	78.5	0.7	50	3.0	3.5
HORIZON 270	**59.8**	**28.4**	**5.0**	**4.0**	**85.5**	**1.0**	**70**	**4.5**	**4.8**
LA14032SBS-163-2	55.4	28.7	4.7	5.3	95.5	1.0	45	2.5	5.5
FL13088-3	51.9	26.8	4.3	5.5	88.0	2.0	55	3.0	4.8
FL0720-R6 (SWEET CAROLINE)	**47.6**	**26.5**	**6.0**	**5.3**	**93.0**	**2.3**	**70**	**3.0**	**5.0**
LA99016 CK	35.7	27.8	4.0	6.3	90.5	3.3	70	5.3	5.8
HORIZON 306	32.0	27.1	3.3	4.3	93.0	1.7	70	5.0	5.0
LA13003SBSBS33-1-1	29.4	27.8	4.3	4.7	93.0	7.0	55	4.3	5.5
TAMO412	**24.2**	**25.3**	**4.0**	**4.8**	**93.0**	**3.7**	**1**	**5.3**	**4.5**
BROOKS CK	**5.2**	**.**	**1.3**	**4.7**	**88.5**	**7.0**	**70**	**4.5**	**3.8**
LA17077SBS-29-1	4.9	.	2.0	5.3	100.5	2.3	30	4.5	4.8
MEAN	**61.2**	**29.0**	**4.8**	**5.2**	**88.2**	**1.9**	**55.7**	**2.7**	**5.1**
CV%	**18.1**	**2.1**	**12.6**	**13.9**	**1.2**	**54.1**	**10.8**	**37.1**	**9.7**
LSD(0.10)	**15.2**	**0.8**	**0.8**	**1.0**	**1.8**	**1.4**	**10.4**	**1.7**	**0.9**
R-SQUARE	**0.92**	**0.97**	**0.89**	**0.68**	**0.98**	**0.85**	**0.94**	**1.00**	**0.84**

Central Station Ben Hur in Baton Rouge, Louisiana. Stephen Harrison, Chris Roider, Kelly Arceneaux, Katie Fontenot, Allysson Harding and Hanamareddy Biradar.
Cultural practices: *Planted 11/15/21. Harvested 5/18/22. 40# + 30% N s 32-0-0 in mid January and mid February.*

Table 27. OVT22BC. 2022 Oat variety trial at Bossier City.

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (inches)	Lodging Score (0-9)
HORIZON 270	**129.4**	**34.1**	**104.7**	**43.7**	**4.8**
LA11074SBSBSBSB109-2	125.6	30.5	109.0	41.7	2.4
LA14100SBS-43-1	119.2	33.2	108.7	51.0	0.5
FL13097-1	118.5	31.0	102.7	43.3	7.4
FL1035-2	117.3	37.4	102.7	47.0	3.6
LA99016 CK	**114.6**	**35.9**	**107.0**	**47.7**	**5.0**
FL0720-R6 (SWEET CAROLINE)	**114.5**	**36.0**	**110.3**	**51.0**	**8.5**
LA17077SBS-29-1	114.1	31.9	113.7	50.3	3.2
TAMO412	**113.3**	**34.5**	**107.0**	**42.3**	**7.0**
LA14032SBS-163-2	108.1	35.3	110.3	47.3	5.3
LA14105SBSBS56-1	107.4	30.8	107.3	46.7	8.5
HORIZON 306	104.0	37.1	110.3	45.7	5.9
LA15015SB-S50	99.7	35.0	109.7	45.3	8.0
SAVAGE	**90.6**	**32.2**	**107.7**	**50.3**	**1.2**
LA13003SBSBS33-1-1	90.4	34.3	105.3	47.7	5.8
LA14063SBS-34-1-1	90.2	32.3	107.7	47.3	5.2
FL13088-3	85.9	30.8	107.7	41.7	2.7
FL13084-8	84.4	34.9	107.7	45.3	4.2
FL13057-4	78.2	35.1	101.7	44.3	2.7
LA09015SBS-U4	78.0	31.9	110.3	46.0	6.1
FL13088-4	72.8	30.2	100.3	41.3	6.1
BROOKS CK	**59.5**	**30.2**	**107.0**	**48.7**	**9.1**
MEAN	**100.7**	**33.2**	**107.2**	**46.2**	**5.1**
CV%	**15.8**	**4.2**	**1.9**	**4.3**	**41.0**
LSD(0.10)	**21.8**	**1.9**	**2.8**	**2.8**	**2.9**
R-SQUARE	**0.69**	**0.80**	**0.80**	**0.79**	**0.67**

Comments: *Red River Research Station at Bossier City, Louisiana. Blair Buckley, Willliam Waltman and Boyd Padgett.*
Cultural: *Planted 11/17/21. Harmony Extra herbicide at 0.6 oz/acre. Fertilized with 80#N.acre on 2/14/22. No disease pressure.*

Table 28. 2022 Oat variety trial at Winnsboro

Brand/Variety	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Growth Habit (0-9)	Freeze Damage (0-9)	Crown Rust (%)	Stem Rust (%)	Phenotype (0-9)
LA15015SB-S50	99.8	34.1	4.2	4.0	0	2	5.6
LA14105SBSBS56-1	95.5	30.0	5.0	3.3	0	8	5.6
LA13003SBSBS33-1-1	91.7	32.1	5.8	1.0	0	27	6.1
LA11074SBSBSBSB109-2	90.0	26.7	3.7	6.3	0	0	4.9
LA14063SBS-34-1-1	89.4	29.4	4.3	5.0	0	0	5.1
TAMO412	**88.7**	**31.9**	**5.8**	**1.7**	**0**	**27**	**5.8**
HORIZON 306	**88.5**	**31.4**	**4.5**	**3.0**	**0**	**35**	**5.6**
LA14032SBS-163-2	86.8	33.7	4.3	3.3	0	10	5.5
LA14100SBS-43-1	83.1	31.5	5.8	2.0	0	2	5.3
FL1035-2	74.5	34.8	4.0	3.7	0	0	5.6
SAVAGE	**69.7**	**28.3**	**4.5**	**3.0**	**0**	**2**	**5.9**
LA09015SBS-U4	67.6	32.0	4.3	6.0	0	0	4.7
LA99016 CK	**66.0**	**29.3**	**6.0**	**1.7**	**0**	**53**	**5.7**
FL13057-4	62.9	30.2	3.8	6.3	0	2	4.6
HORIZON 270	**62.2**	**29.9**	**4.7**	**2.0**	**0**	**57**	**4.6**
FL13088-4	60.4	26.1	3.7	5.3	0	13	4.5
FL13088-3	54.3	27.8	3.8	4.7	0	32	4.8
FL0720-R6 (SWEET CAROLINE)	**53.8**	**26.8**	**4.2**	**3.7**	**0**	**17**	**5.6**
FL13084-8	50.2	33.2	3.8	4.7	0	27	4.7
FL13097-1	42.4	29.1	4.0	5.7	0	22	4.6
LA17077SBS-29-1	22.7	26.3	5.8	1.0	0	63	4.7
BROOKS CK	**12.9**	**16.9**	**4.2**	**2.0**	**20**	**70**	**4.7**
MEAN	**68.5**	**29.5**	**4.6**	**3.6**	**1**	**20**	**5.2**
CV%	**19.0**	**9.3**	**9.8**	**22.4**	**332**	**45**	**6.8**
LSD(0.10)	**18.3**	**3.9**	**0.6**	**1.1**	**5**	**13**	**0.5**
R-SQUARE	**0.83**	**0.75**	**0.82**	**0.87**	**0.81**	**0.90**	**0.81**

Planted 11/11/21. Harvested 6/2/22. Three reps. Harvested 15' x 5' Plot size. Fairly dry spring. Severe January feeeze damage. Very heavy stem rust pressure.
50-0-0 as 32% UAN on 2/11/22 and 32% 25-0-0 as UAN on 3/10/22.
All plots were 100% lodged at harvest. Lodging occurred just prior to harvest.

Appendix A. Entries in the 2022 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Wheat Brand/Abbreviation	Variety/Breeding Line	Originating Agency
AgriMAXX	AgriMAXX 473, 481, 492, 514	AgriMAXX Wheat Company 7167 Highbanks Road Mascoutah, IL 62258
AGS	AGS 2021, 3015, 3022, 3015, 4023, 4043	AGSouth Genetics 1113 Pretoria Road / P.O. Box 398 Albany, GA 31708
AR	All numbered AR lines	University of Arkansas Division of Agriculture 1366 W. Altheimer Drive Fayetteville, AR 72704
Delta Grow	Delta Grow 1000, 1200, 1800, 3500	Delta Grow Seed 220 NW 2nd / P.O. Box 219 England, AR 72046
Dyna Gro	Dyna-Gro Plantation, Riverland, WX20738. DG 9002, DG Dyna-Gro Seed 9172, DG 9811	Dyna-Gro Seed 11 Gin Road Rayville, LA 71269
FL	All numbered FL lines	University of Florida 3105 McCarty Hall B Gainesville, FL 32611
GA	All numbered GA lines	University of Georgia 1109 Experiment St. Griffin, GA 30223
Grow Pro	SY Viper, GP 348, GP 381	Grow Pro Genetics 1521 N. Convent St., Suite 200 and 1521 N. Convent St., Suite 200 Bourbonnais, IL 60914
Local	Revere 5026, LWX22A	Local Seed Company, LLC 802 Rozelle St. Memphis, TN 38104
LA	All numbered LA lines	Louisiana Agricultural Experiment Station SPESS LSU 104 MB Sturgis Hall Baton Rouge, LA 70803
NC State	All numbered NC lines	North Carolina State University 840 Method Road, Unit 3, Box 7629 Raleigh, NC 27695
Pioneer	Pioneer 26R41, 26R45, 26R59, 26R94	Pioneer Hybrid 5410 La. 139 Marksville, LA 71351

Wheat Brand/Abbreviation	Variety/Breeding Line	Originating Agency
Progeny	#Bingo, #Bullet, #Buster, #Chad, #Turbo	Erwin-Keith, Inc. / Progeny 1529 Hwy. 193 South Wynne, AR 72396
Stratton	GO Wheat LA754, 6000, AGS 2055	Stratton Seed Co. 1530 Hwy 79 South Stuttgart, AR 72160
TX	All numbered TX lines	Texas AgriLife Research TAMU – Commerce Department of Ag Science Commerce, TX 75429
USG	USG 3352, USG 3472, USG 3783	UniSouth Genetics, Inc. 3205-C HWY 46 S. Dickson, TN 37055
VA	Liberty 568	Virginia PI & State University EVAREC 2229 Menokin Road Warsaw, VA 22572

OAT Brand / Abbreviation	Variety or Breeding Line	Originating Agency
AgSouth	Horizon 306	AGSouth Genetics 1113 Pretoria Road / P.O. Box 398 Albany, GA 31708
Angelina	FI0720-R6 (Sweet Caroline)	Angelina Grain Company 16371 La. 15 South Vidalia, LA 71373
FL	All numbered FL lines	University of Florida 3105 McCarty Hall B Gainesville, FL 32611
LA	All numbered LA lines	Louisiana Agriculcural Experiment Station SPESS – LSU Baton Rouge, LA 70803
NC State	All numbered NC lines	North Carolina State University 840 Method Road, Unit 3, Box 7629 Raleigh, NC 27695
Stratton	Horizon 270, Savage	Stratton Seed Co. 1530 Hwy 79 S. Stuttgart, AR 72160
TAMO / TX	All numbered TAMO / lines	Texas AgriLife Research TAMU – Commerce Department of Agricultural Sciences Commerce, TX 75429

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Matt Lee, Interim LSU Vice President for Agriculture
Louisiana State University Agricultural Center
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