



2020 Small Grain Performance Trials

LAES Research Summary No. 222. August 2020



2020 Small Grain Performance Trials

LAES Research Summary No. 222

This publication and the research reported herein were supported in part by checkoff funds from the
LOUISIANA SOYBEAN AND GRAIN RESEARCH AND PROMOTION BOARD.

This support is greatly appreciated.



*William B. Richardson, LSU Vice President for Agriculture
Louisiana State University Agricultural Center
and Chalkley Family Endowed Chair
Dean of the College of Agriculture*

*Michael E. Salassi, Assoc. Vice President
and Program Leader for Plant and Animal Sciences*

The LSU AgCenter and LSU provide equal opportunities in programs and employment.

Table Of Contents

Small Grain Performance Trials

**Major headings and tables are directly linked to corresponding page in the document.*

Point and click to be brought to the desired information.

	Page
Introduction.....	1
Characteristics Evaluated.....	2
Units used in Tables.....	3
South Louisiana Wheat Trials	
South Region Means.....	4
Crowley.....	4
Jeanerette	4
North Louisiana Wheat Trials	
Early Maturity North Region Means	5
Winnsboro.....	5
Normal Maturity North Region Means.....	6
Alexandria.....	6
Winnsboro.....	6
Oat Performance Trials	
Baton Rouge	8
Winnsboro.....	8
Wheat Tables	
Table 1. Jeanerette, 2020	9
Table 2. Two-year South Louisiana.....	11
Table 3. Three-year South Louisiana.....	12
Table 4. Winnsboro Early 2020 with and without fungicide.....	13
Table 5. Two-year Winnsboro Early	14
Table 6. Three-year North Louisiana Early	15

Table 7. Alexandria Late 2020	16
Table 8. Winnsboro Late 2020 with and without fungicide	18
Table 9. Two-year Winnsboro Late	20
Table 10. North Louisiana Late with and without fungicide.....	22
Table 11. Two-year North Louisiana Late	24
Table 12. Three-year North Louisiana Normal	26
Table 13. Winnsboro Normal Fusarium Misted Nursery	27

Oat Tables

Table 14. Baton Rouge Oat 2020	29
Table 15. Winnsboro Oat 2020.....	30
Appendix. Originating Agencies	32

Performance of Small Grain Varieties in Louisiana, 2019-20

Stephen A. Harrison¹, Kelly Arceneaux¹, Blair Buckley⁴, Fred Collins⁵, Dustin Ezell⁶, Jacob Fluitt³, Katie Fontenot¹, Don Groth³, Ally Harding¹, Dustin Harrell³, Manoch Kongchum³, Dana Landry⁵, James Leonards³, H.J. "Rick" Mascagni², G. Boyd Padgett⁵, Trey Price⁶, Myra Purvis⁶, John Stapp⁶, Daniel Stephenson⁵, William Waltman⁴, Greg Williams⁷, and Caitlin deNux⁵

INTRODUCTION

Small grain variety trials are conducted annually by scientists of the Louisiana State University Agricultural Center Agricultural Experiment Station (LSUAC) to evaluate grain yield, agronomic performance, and disease reaction of varieties and advanced lines. The trials are conducted at seven LSUAC research stations representative of the major soil and climate regions of the state. Entries are included in the trials based upon previous performance or at the request of the originating agency. Inclusion of an entry in the trials does not constitute an endorsement. Beginning in 2017, the performance trial in north Louisiana is divided by relative maturity into two groups, early and medium-late (normal). This was done to facilitate planting and harvest. The north Louisiana early trial included six varieties (bold font) and six experimental lines (normal font) while the normal trial included 26 commercial varieties and 29 experimental lines. There were 41 entries in the south Louisiana performance trials.

A fungicide split was added to the wheat performance trials at Alexandria and Winnsboro for 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 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.

1 Professor and variety trial coordinator, Research Associate, Research Farm Assistant 2, and Research Associate, respectively. SPESS Department, Baton Rouge.

2 Professor, 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, Professor, and Research Associate, respectively. Dean Lee Research Station, Alexandria.

6 Research Associate, Associate Professor and Research Associates, respectively. Macon Ridge Research Station, Winnsboro.

7 Research Associate. Iberia Research Station, Jeanerette.

Growers should also consider specific data from the LSUAC variety trial location that most closely matches the weather and soil conditions of their farm and should avoid growing a single variety on a large acreage. Growing several varieties helps hedge against losing the entire crop to chance occurrences in weather or shifts in pathogen or pest races or virulence patterns. Yield, test weight, maturity, and disease resistance are important traits to consider when selecting varieties. If a grower plans to plant wheat early, he should avoid varieties that have a very early heading date in order to reduce the danger of freeze damage. Specific management and cultural practices for a location are presented at the bottom of the tables, along with unusual or key observations about that test. All plots were seeded at the recommended rate with seed provided by the originating agency or company (Appendix A).

Characters Evaluated and Statistics Reported:

Data are collected on grain yield, test weight, heading and maturity dates, plant height, lodging, and disease reaction, as appropriate at each location. Grain yield was adjusted to 13% moisture. **Least significant differences (LSD's)** are reported at the 10% probability level. An LSD of 10% probability ($\alpha=0.10$) is the level of difference in a trait (like yield) that occurs between two varieties once in every 10 comparisons as a result of random chance due to greater soil fertility, better drainage, slightly greater harvest length, or any other "uncontrollable or unmeasurable factors" in the test, even if the varieties had the same genetic yield potential. If the LSD (0.10) for yield in a trial is 7.0 bu/a, there is a 10% chance that two varieties with a reported yield difference of 7.0 bu/acre are genetically equal and a 90% probability they have differences in genetic potential in

that particular environment. LSD values are influenced by the degree of precision that soil fertility, stand establishment, plot length, harvest efficiency, and other variables of the trials are controlled, and by the number of replications of each variety or treatment. The letters 'NS' are used in the text and Tables to indicate lack of significance (**not significantly different**) at the 10% probability level. Correlations are sometimes given to indicate the degree to which two traits, such as rust rating and yield, are related. A correlation between rust rating and yield of $r = -1.0$ would indicate that for every unit increase in rust there was a proportional decrease in yield.

Wheat leaf rust, 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 from the yield plots is rated for percent Fusarium Damaged Kernels (FDK) and then submitted to the USDA

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.

Traits and Rating Scales for LAES Wheat and Oat Performance Trials.		
Trait	Abbreviation	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 December 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 or not at all.
Plant height	HT	Plant height in inches.
Lodging rating	LOD	Lodging rated on a scale of 0 - 9, where a 0 indicates no lodging and a 9 indicates complete lodging (all plants flat).
Leaf rust	LRFUST	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 & 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
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 2019-2020

The 2019-2020 growing season is not one that we ever want to repeat. The season got off to a good start with favorable conditions for planting at all locations. The winter was quite wet in south Louisiana, and plots generally did not tiller and fill in as much as desired. The Crowley location was severely damaged by herbicide drift and did not produce useable data. The Baton Rouge location was not harvested because plots were too thin and variable to produce usable data. Given the concerns over Covid-19 and limitations on available field help, it was decided to concentrate on getting breeding material and seed increases harvested and not waste time harvesting yield plots that would not produce good data. The Alexandria location was demolished by a tornado that destroyed building and crops in mid-April. The Bossier City location was lost to herbicide drift in mid-winter. The Winnsboro location was very good all year and produced solid wheat data.

Oat variety trials were lost at Bossier City and Alexandria to herbicide drift and a tornado, respectively. The oat trial at Baton Rouge suffered from season-long water-logging stress and produced low grain yields. The trials at Winnsboro were not harvested due to 100% lodging caused by a severe stem rust epidemic coupled with strong storms prior to harvest.

Results and Discussion

Performance of Wheat Varieties Across South Louisiana

South Region

Baton Rouge

Test was not harvested due to poor and uneven stands resulting from winter-long excessive rainfall. Data was collected on agronomic traits and is included in means tables.

Crowley

The Crowley test sustained significant herbicide drift in the spring that resulted in low yields and a high degree of error variance. Grains yields at Crowley ranged from 14.0 to 32.9 bu/acre and the CV was 37%. As a result, that data is not reported.

Jeanerette

The Jeanerette trial produced grain yields ranging from 21.6 to 41.5 bu/acre (**Table 1**). Delta Grow 3500 and AGS 2055 were the highest yielding commercial varieties. Test weights were quite variable with a range of 39.8 to 60.3 lbs/bu. Part of the variation in test weight can be attributed to a very wide range in heading dates. The earliest heading date was 69 (March 9) to 106 (April 18). The earliest and latest heading entries were generally the lowest yielding. All entries with heading dates greater than 100 days fell in the lowest 20% for yield.

AR06146E-1-4 had the highest two-year mean yield across south Louisiana (**Table 2**) and the fourth-highest test weight. Go Wheat LA754, Liberty 5658, Dyna-Gro Plantation, and Delta Grow 3500 also had yields greater than 54 bu/acre. Test weights

were a little low with an average of 55.9 lbs/acre. Four breeding lines had test weights of 58 lbs/bu or greater. Only one entry had a two-year mean heading date over 100 days.

Ten wheat varieties have been evaluated in south Louisiana for each of the past three years (**Table 3**). AGS 2055 which was included in the trial as a later-heading check, had the highest mean yield (78.2 bu/acre). The test average yield was 72.4 bu/acre. Test weights ranged from 54.6 to 59.9 lbs/bu with a mean of 58.0. FHB and leaf rust pressure have been relatively low and only one entry had significant leaf rust.

Performance of Wheat Varieties Across North Louisiana

Early Maturity North Region Means:

Alexandria

Test not harvested due to a tornado in mid-April that destroyed plots.

Bossier City

This test was abandoned due to herbicide drift.

Winnsboro

Yields of the twelve entries evaluated in the early-heading variety trial at Winnsboro were excellent (**Table 4**). The six reps were split with three receiving two applications of a foliar fungicide. The second fungicide application was timed at average flowering date for maximum FHB control. The average yield in the fungicide protected split was 80.8 bu/acre, which was 18.5 bu/acre higher than the mean for the non-protected split. The breeding line FL14167LDH-158 had the highest yield (87.8 bu/acre). AGS 3000 and Pioneer 26R94 also yielded

over 84 bu/acre. AGS 3000 had the highest test weight (59.3 lbs/bu).

FL14167LDH-158 had the highest yield in the non-protected split (69.1 bu/acre). The yield response from fungicide application ranged from 12.5 bu/acre to 27.9 bu/acre with a mean response of 18.5 bu/acre. Test weight was also increased with fungicide application with a mean increase of 3.0 lbs/bu and a range of 1.5 to 5.9 lbs/bu. Four entries in the fungicide split had test weights above 58.0 lbs/bu whereas all 12 entries in the non-fungicide protected split had test weights below 57.0 lbs/bu. The two later-heading checks had the lowest test weights, which may have resulted from higher grain moisture at harvest. The combined impact of fungicides on yield and test weight are very significant and may be the difference between a profit and a loss.

There was very little leaf or stripe rust present at Winnsboro in 2020. Frequent spring rainfalls did result in significant FHB pressure with an average Fusarium rating of 3.8 and 6.2 (0-9 scale) in the protected and non-protected yield plots, respectively. The greatest test weight response to fungicide application was in varieties that had the highest FHB ratings.

Fusarium Damaged Kernels (FDK) ranged from 3% to 17.5% in the protected plots and from 5% to 30% in the non-protected plots. Fungicide application reduced FDK by an average of 5.9% in the yield plots. All variety trial entries were also screened for FHB reaction in a misted and inoculated nursery that creates very heavy disease pressure.

The average FDK in the screening nursery was 16.1% compared to 9.0% for the non-protected yield trial. The range was 3% to 42.5%. DON data has not been completed.

North Louisiana Early Trial Two Year

The average yield of 10 entries tested for two years in the early-heading trial was 64.1 bu/acre (**Table 5**). Test weights were low with a mean of 54.4 lbs/bu. FDK in the yield plots ranged from 6% to 45% with a mean of 19%. In the disease screening nursery FDK averaged 40% with a range of 14% to 68%. High FDK entries also had high concentrations of DON.

North Louisiana Early Trial three year

Six entries have been tested in the North Louisiana early performance trial for three years (**Table 6**). AGS 2055, a medium late-heading check, had the highest three-year mean yield (79.4 bu/acre). Delta Grow 3500 had the highest yield of the early-heading entries. FDK in the misted nursery ranged from 28% to 52%.

Normal Maturity North Region Means: Alexandria

The Alexandria test was not harvested due to a tornado in mid-April that destroyed plots. **Table 7** contains heading date, stem rust ratings and FHB data for misted and yield trials. FDK in the misted nursery ranged from 1% to 50% with a mean of 11.5%. The lines with FDK greater than 30% all headed earlier than the test mean. This may be a reflection of inherent susceptibility of these entries but could also be confounding of heading date with tornado induced lodging and presence of conditions favorable for disease development.

Bossier City

This test was abandoned due to herbicide drift.

Winnsboro

Yield in the fungicide split of the normal maturity variety trial was excellent with a mean of 79.2 bu/acre and a range of 67.3 bu/acre to 91.9 bu/acre (**Table 8**). Pioneer 26R45 had a yield of 88.0 bu/acre in the fungicide split. Five other entries had yield means greater than 87.0 bu/acre led by Progeny PGX19-12. The average yield in the non-protected split of the trials was 67.0 bu/acre, 12.3 bu/acre lower than the mean of the protected split. Fungicide protection also boosted test weight with a mean increase of 2.3 lbs/bu and a range of -1.0 to +6.6 lbs/bu. The entries with the greatest test weight response to fungicide were generally those with the highest FHB and FDK ratings. This was not necessarily the case for yield response. Susceptible entries generally had higher response to fungicide application, but even the FHB resistant entries showed responses of 10+ bu/acre. There was a significant variety by fungicide interaction for yield which indicates that the entry response to fungicide differed among varieties.

FDK in the misted screening nursery ranged from 1% to 53%. The two entries with the highest FDK also had the lowest yields in the non-protected split. The highest-yielding lines had low levels of FDK in the misted nursery.

Thirty-one entries have been tested in Winnsboro for two years (**Table 9**). The average yield was 73.3 bu/acre with a range of 63.5 bu/acre to 84.0 bu/acre. Pioneer 26R45 had the highest mean yield. The average test weight was 55.3 lbs/bu with a high of 58.3lbs/bu and a low of 51.8 bu/acre. There was a pretty strong correlation between low test weight and high FDK. DON concentrations (2019 data only) ranged from 2% to 26% in the misted nursery.

North Louisiana Normal Trial 2020

Table 10 is essentially a repeat of **Table 8** since the only yield data for 2020 came from Winnsboro. The **Table** does present the misted nursery data averaged across both locations.

North Louisiana Normal Trial Two Year

Table 11 contains data for the normal maturity wheat trial across North Louisiana for two years. The average yield ranged from 61.7 bu/acre to 74.4 bu/acre with a mean of 67.9 bu/acre. Despite a low Coefficient of Variation (CV), yield differences are not significant in this analysis. This is because there was a large variety by experiment interaction and the relative ranking of varieties changed with environment.

Stripe rust was significant in 2019 with ratings up to 25% and therefore included in this table. FDK in the yield plots ranged from 1% to 50%. The five lines with FDK of greater than 37% in the yield trials had test weights less than 53 lbs/bu. The average test weight was 55.0 lbs/bu. Higher-yielding entries generally had higher test weights and lower FDK.

In the misted nursery FDK values ranged from 8% to 57% with a mean of 27%. FDK from the normal yield plots and the misted nursery were highly correlated. The misted nursery values are always higher, and the nursery generally minimizes confounding with heading date. DON concentration ranged from 2 ppm to 25 ppm.

North Louisiana Normal Trial Three Year

AGS 2055, USG 3640, AGRIMAXX 492, and PIONEER 26R59 have three-year mean yields greater than 80 bu/acre across North Louisiana (**Table 12**). The average yield of 18 entries was 76.9 bu/acre and differences among entries are not

significant because of large variety by test interactions. This means the rankings and relative differences between varieties has been inconsistent from one environment to the next. The 2018 production environment was problem free and produced very high yields, while in the last two years there were FHB and rainfall issues. What this really means is that the variance in yield caused by the interaction of entry and environment are greater than the variance caused by variety. FDK in the misted nursery ranged from 8% to 48% with a mean of 25%.

Fusarium Headblight Data Over Years

Fusarium Headblight has been the most important disease of wheat in Louisiana for the past five years. FHB decreases yield, lowers test weight, and can result in rejection of the crop at the point of delivery. In **Table 13**, wheat varieties are classified as Resistant (R), Moderately Resistant (MR), Moderately Susceptible (MS), or Susceptible (S) based on a combination of ratings for FHB head symptoms, FDK and DON from two or more years in the misted nurseries. Incidence of FHB was high in 2019 compared to 2018 and 2020. DON data from 2020 has not been added to this table yet due to Covid-19 related delays in the USDA lab where samples are tested. This data will be added, and the tables updated when the DON testing is completed.

The best way to control FHB is to select varieties that have at least a moderate level of resistance and apply one of the fungicides shown to be effective at heading. The effect of varietal resistance is additive with the effect of the applied fungicide and should be adequate to prevent significant losses.

Liberty 5658 and the breeding lines AR06146E-1-4 and LA12080LDH-72 are classified as Resistant to FHB. Six entries in the trials are classified as Moderately Resistant and eight more are classified as MR/MS. Data is present from 2020 for 24 entries that have only been tested for one year. These will be classified after an additional year of testing.

Performance of Oat Varieties Across Louisiana

There were 28 entries in the statewide oat performance trials across four locations for 2020. The average yield at Baton Rouge was quite low (**Table 14**) with a mean of 26.8 bu/acre and a high yield of only 56.9 bu/acre. A very wet winter and spring resulted in retarded growth and reduced tillering. Late spring storms caused near 100% lodging. Most plots did not have sufficient seed to determine test weight. Crown rust incidence was very high on the susceptible variety Brooks, but all other entries showed good resistance. Stem rust started in early winter and occurred at significant levels on many entries.

The oat variety trial at Winnsboro (**Table 15**) was not harvested due to severe (100%) lodging resulting from a combination of strong storms in late spring and very heavy stem rust infection. Crown rust also developed at this location but only on the susceptible variety Brooks.

Table 1. Wheat performance trial at Jeanerette, LA for 2020.

Brand / Variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (in)	Moisture* Footnote
AR09137UC-17-2	41.5	52.7	97.0	26.0	>20% MOISTURE AT HARVEST
DELTA GROW 3500	41.3	57.7	89.8	27.2	-
AGS 2055	41.1	53.2	96.3	25.9	-
AR06146E-1-4	40.9	58.1	85.0	27.5	-
LA14086LDH-172	40.8	58.3	89.0	28.0	-
GA10268-17LE16	38.7	58.6	87.0	28.0	-
LA12275DH-56	38.6	57.3	93.0	28.5	-
DYNA-GRO BLANTON	38.3	57.4	78.0	25.6	-
GO WHEAT LA754	38.2	56.5	82.3	25.8	-
DYNA-GRO PLANTATION	37.6	58.5	87.5	26.4	-
DYNA-GRO RIVERLAND	37.5	57.4	76.5	29.4	-
AGS 2024	37.5	57.6	79.0	22.8	-
PIONEER 26R94	37.3	57.4	78.0	29.1	-
LA13154D-WN1	36.9	56.7	83.0	26.2	-
GA09129-16E55	36.3	57.0	81.5	26.7	-
USG 3640	36.2	57.1	78.5	28.9	>20% MOISTURE AT HARVEST
LANC11558-33	35.0	57.3	83.0	23.1	-
GA101298-17LE11	34.1	57.6	82.3	26.2	-
GA11656-17E11	34.0	57.9	80.0	27.8	-
GA101004-17LE17	33.8	55.0	94.0	24.8	>20% MOISTURE AT HARVEST
AGRIMAXX 492	33.8	56.1	96.3	21.3	-
LA15203-LDH093	33.6	55.3	97.0	25.3	-
LA12080LDH-72	33.1	54.8	84.5	25.3	-
TX15D9579	33.1	55.6	80.0	24.7	-
DYNA-GRO RUTLEDGE	33.0	56.0	79.5	26.7	-
FLLA10033C-6	32.9	54.9	80.0	30.0	-
AGRIMAXX 481	32.6	57.6	87.0	25.3	-
GO WHEAT 6000	32.5	47.8	97.0	27.0	>20% MOISTURE AT HARVEST
TX15D9597	32.4	58.9	85.0	25.2	-
LIBERTY 5658	32.2	56.3	94.0	23.8	-
GA09436-16LE12	32.0	60.3	83.0	26.8	-
GA10407-17E8	31.0	55.4	76.0	27.6	-
AGS 3040	31.0	48.3	97.0	26.6	>20% MOISTURE AT HARVEST
AGS 2038	30.3	54.2	94.8	24.2	-
LA15166LDH-272	28.2	39.8	101.0	22.5	>20% MOISTURE AT HARVEST
FL14167LDH-158	28.0	56.1	73.0	25.8	-
AGS 3000	25.7	54.7	69.0	24.9	-
FL14078LDH-28	25.6	56.1	71.0	30.8	-

Table 1. Wheat performance trial at Jeanerette, LA for 2020.

Brand / Variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (in)	Moisture* Footnote
LA15203-LDH112	24.4	-	105.8	23.4	>20% MOISTURE AT HARVEST
LA15203-LDH200	22.4	-	101.0	23.3	>20% MOISTURE AT HARVEST
USG 3118	21.6	-	103.3	21.0	>20% MOISTURE AT HARVEST
MEAN	33.8	54.6	86.7	26.0	-
CV%	14	3	1	5	-
LSD(0.10)	5.6	1.7	0.9	1.5	-
* Moisture: Late maturity with high moisture and swollen grain at harvest contributed to low test weight.					
Bold 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.					
Iberia Research Station in Jeanerette, LA. Greg Williams.					
Cultural Practices: Baldwin silty clay loam. 6 drills x 8" x 20' harvested. Planted 11/6/19. Harvested 5/7/20. 200# 46-0-0 on 12/4/19 and 100# 46-0-0 on 2/5/20/ Finesse herbicide at 0.4 oz/acre on 11/7/19. Wet conditions proceeding planting, but field was plantable with some effort. Could not plant deeply, 1/4 inch at best, with minimal coverage of seed; however, emergence was good overall. Weed control was good throughout crop cycle. Some varieties exhibited poor or late vernalization.					



Table 2. Wheat performance trial across South Louisiana for two years, 2019 and 2020.

Brand / Variety	Grain Yield(bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (in)	Lodging Score (0-9)
AR06146E-1-4	59.2	58.0	88.3	31.1	0.0
GO WHEAT LA754	57.8	57.1	83.2	27.8	0.8
LIBERTY 5658	54.9	55.1	94.8	28.8	0.0
DYNA-GRO PLANTATION	54.8	57.5	85.4	27.9	0.0
DELTA GROW 3500	54.1	57.2	88.1	28.2	0.0
USG 3640	53.9	57.7	82.2	28.9	0.0
DYNA-GRO BLANTON	53.8	57.6	80.1	26.4	1.5
PIONEER 26R94	53.7	57.9	81.3	29.5	0.5
AGS 2024	53.6	57.0	83.3	24.8	0.0
GA09129-16E55	53.3	58.0	81.5	28.0	0.0
LA12080LDH-72	52.8	55.8	85.5	28.1	1.0
TX15D9579	52.6	55.6	81.2	26.4	0.0
AGS 2055	52.5	53.0	95.8	28.6	0.0
AGS 2038	52.3	54.8	92.2	29.4	0.0
AGRIMAXX 492	52.3	55.5	94.3	26.7	0.5
TX15D9597	52.0	58.6	82.8	26.8	0.0
AGS 3040	50.6	51.0	92.8	29.0	0.0
FLLA10033C-6	50.4	56.4	81.4	29.9	0.0
GA09436-16LE12	49.8	59.3	85.9	29.0	0.0
DYNA-GRO RUTLEDGE	46.4	56.0	82.8	27.4	0.0
AGS 3000	43.8	57.2	72.2	26.4	0.0
USG 3118	41.2	43.3	100.8	25.5	0.0
AGRIMAXX 481	32.6	57.6	87.0	25.3	-
MEAN	51.8	55.9	86.2	27.9	0.2
CV%	13	3	2	5	368
LSD(0.10)	6.0	3.4	3.5	2.5	-
Bold 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.					
Lodging Score on a scale of 0 = none to 9 = 100% lodged. No LSD due to data from only one environment (Crowley 2019).					
Data from: Jeanerette in 2019 and 2020; and Crowley in 2019.					

Table 3. Wheat performance trial across South Louisiana for three years, 2018, 2019 and 2020.

Brand / Variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Plant Height (in)	Lodging Score (0-9)	Leaf Rust (%)	FHB Score (0- 9)	Phenotype (0- 9)
AGS 2055	78.2	55.6	95.8	30.7	1.0	0	0.8	7.0
DELTA GROW 3500	77.9	59.2	88.1	30.4	3.1	0	1.0	6.3
AR06146E-1-4	76.5	59.9	88.3	33.0	3.1	0	1.0	5.5
USG 3640	76.0	58.8	82.2	31.1	2.8	0	1.3	6.3
GO WHEAT LA754	75.6	58.6	83.2	30.4	4.0	0	2.5	5.8
AGS 3040	73.0	54.6	92.8	31.7	1.7	0	1.0	6.3
AGS 2024	71.1	58.2	83.3	27.6	3.5	0	2.3	6.3
PIONEER 26R94	70.5	59.5	81.3	32.2	3.3	0	1.3	6.0
AGS 2038	69.0	56.8	92.2	31.9	3.5	0	1.5	5.8
AGS 3000	56.5	59.0	72.2	28.7	3.0	19		4.5
MEAN	72.4	58.0	85.9	30.8	2.9	2	1.4	6.0
CV%	10	2	1	5	30	227	33	7
LSD(0.10)	6.1	1.4	4.0	1.4	NS	-	-	-
Bold 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.								
Lodging score on a scale of 0 = none to 9 = 100% lodged.								
Leaf Rust is percent tissue of upper three leaves affected by leaf rust.								
FHB score is 0-9 Fusarium symptoms on head from yield plots (non-inoculated) and from a misted and inoculated nursery.								
Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density, leaf color and health, etc.								
NS indicates that variety mean differences were not statistically significant.								
Data from: Jeanerette in 2018, 2019 and 2020; and Baton Rouge and Crowley in 2018.								

Table 4. Early maturity wheat performance at Winnsboro for 2020. With and without fungicide.

Brand / Variety ^a	Grain Yield ^a , fungicide	Grain Yield, no fungicide	Yield Fungicide Difference	Test Weight ^b , fungicide	Test Weight, no fungicide	TWT Fungicide Difference	Head Day ^c , fungicide	Head Day, no fungicide	FHB Score ^d , fungicide	FHB score, no fungicide	FHB Fungicide Difference	FDK ^e , fungicide	FDK, no fungicide	FDK Fungicide Difference	DON ^f , fungicide	DON, no fungicide	DON Fungicide Difference	Seed Qual ^g , fungicide	Seed Qual, no fungicide	SDQ Fungicide Difference	Phenotype ^h , fungicide	Phenotype, no fungicide	Misted Nursery ⁱ FHB (0- 9)	Misted Nursery FDK (%)	Misted Nursery SDQ (0- 9)	Misted Nursery DON (ppm)
FL14167LDH-158	87.8	69.1	18.7	58.4	56.0	2.4	76.0	80.0	2.7	6.0	-3.3	3	10	-7	0.3	0.9	-0.6	8.0	7.0	1.0	6.5	5.5	4.5	3	6.5	.
AGS 3000	85.3	66.5	18.9	59.3	56.7	2.6	76.0	76.0	3.3	6.0	-2.7	1	3	-2	0.3	0.7	-0.4	8.0	7.5	0.5	6.0	5.0	5.5	5	6.5	.
PIONEER 26R94	84.7	64.4	20.2	57.9	54.3	3.6	78.0	79.0	4.7	7.3	-2.7	15	13	3	1.2	4.5	-3.3	7.0	7.0	0.0	6.0	5.5	5.5	8	6.5	.
TX15D9579	83.1	55.2	27.9	57.2	51.3	5.9	78.0	78.0	5.0	8.0	-3.0	10	23	-13	1.0	2.1	-1.1	7.0	5.5	1.5	6.0	5.0	7.0	15	5.0	.
FLLA10033C-6	82.8	65.4	17.4	56.3	54.1	2.3	81.0	79.0	2.7	5.7	-3.0	5	13	-8	0.6	1.6	-0.9	8.0	7.0	1.0	6.5	5.5	5.5	10	6.0	.
AGS 3015	81.9	68.1	13.8	58.1	56.5	1.6	76.0	76.0	3.0	5.0	-2.0	3	5	-2	0.3	0.9	-0.6	8.0	8.0	0.0	6.0	5.5	8.5	8	6.5	.
DELTA GROW 3500	81.6	60.5	21.1	57.3	53.3	4.1	77.0	76.0	4.3	8.0	-3.7	13	30	-18	1.4	3.3	-2.0	6.5	4.5	2.0	6.5	5.0	7.0	13	7.0	.
MEAN	80.8	62.3	18.5	57.2	54.2	3.0	79.4	79.8	3.8	6.2	-2.4	9	15	-6	0.7	2.5	-1.8	7.2	6.5	0.8	6.3	5.5	6.6	16	5.5	.
FL14078LDH-28	80.2	65.1	15.1	59.3	56.8	2.5	76.0	76.0	4.7	6.3	-1.7	3	10	-7	2.7	2.0	0.7	8.0	7.0	1.0	6.5	6.5	5.5	10	6.0	.
AGS 2038 (LATE CHECK)	78.9	61.9	17.0	55.1	53.1	2.1	87.7	87.3	2.0	3.7	-1.7	18	18	0	1.6	4.1	-2.5	6.0	6.0	0.0	7.0	6.0	7.0	35	3.5	.
TX15D9597	75.0	62.5	12.5	57.9	55.2	2.7	78.0	79.0	5.7	7.3	-1.7	13	18	-5	2.9	2.3	0.6	7.0	6.5	0.5	6.0	5.5	8.5	15	5.5	.
AGS 2055 (LATE CHECK)	74.4	60.6	13.8	54.1	52.6	1.5	88.0	87.3	2.3	3.3	-1.0	10	13	-3	1.9	3.7	-1.8	7.0	7.0	0.0	7.0	6.0	7.5	43	3.5	.
AGS 2024	74.3	48.7	25.6	55.6	50.7	4.9	81.7	84.3	4.7	7.3	-2.7	15	25	-10	1.2	4.1	-2.8	6.0	4.5	1.5	6.0	5.0	7.5	30	3.5	.
LSD(0.10)	6.0	6.2	-	1.3	0.9	-	2.3	1.4	1.1	0.8	-	4.1	9.1	-	29.5	1.7	.	0.4	0.8	-	0.6	NS	1.0	13.5	1.7	.
CV%	5	7	-	2	1	-	2	1	20	10	-	26	34	-	1	38	.	3	7	-	6	9	8	47	17	.

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

^a**Grain Yield** is bushels per acre at 13% moisture.

^b**Test Weight** is pounds per bushel.

^c**Head Day** is day of year for 50% heading.

^d**FHB Score** is Fusarium headblight rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.

^e**FDK** is percent Fusarium Damaged Kernels.

^f**DON** data is not completed yet. DON is Deoxynivalenol toxin concentration.

^g**Seed Qual (SDQ)** is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor

^h**Phenotype (PHE)** is overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.

ⁱ**Misted Nursery** was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.

NS indicates that variety mean differences were not statistically significant.

Macon Ridge Research Station in Winnsboro, LA. Trey Price, Steve Harrison, Dustin Ezell, Myra Purvis, Kelly Arceneaux, Allysson Harding, and Katie McCarthy Fontenot.

Cultural Practices: Planted 11-6-19. 2 oz/acre Powerflex applied on 12/4/19. 16 oz/acre Axial and 0.6 oz/acre Harmony Extra applied on 2/1/20. 100-0-0-7S topdress on 2-15-20. Miravis Ace (13.7 oz/acre) applied to fungicide split reps on 3-16-20 and 3-30-20.

Table 5. Early maturity wheat performance at Winnsboro for two years, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of yr)	Lod Score (0-9)	Stripe Rust (0-9)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery FHB (0-9) [2 yr]	Misted Nursery FDK (%) [2 yr]	Misted Nursery SDQ (0-9) [2019]	Misted Nursery DON*** (ppm) [2 yr]
AGS 2055*	69.0	53.6	95	0.3	0.0	0	5.9	2.3	11	5.8	7.8	68	2.3	22
FLLA10033C-6	68.4	54.6	86	0.3	0.5	0	5.9	4.1	16	6.0	5.5	35	4.5	4
TX15D9597	67.5	54.9	85	1.3	0.0	4	5.9	5.7	18	5.5	7.5	35	4.3	3
AGS 2038*	66.1	53.6	95	0.0	0.0	0	6.1	2.8	19	5.3	7.8	60	2.3	18
AGS 3015	65.9	56.6	83	0.3	0.0	0	5.5	4.1	6	6.8	6.8	14	6.0	2
DELTA GROW 3500	64.2	53.9	83	2.5	0.0	0	5.5	6.8	45	3.8	6.5	31	5.5	2
AGS 3000	62.2	56.1	83	2.0	0.0	43	5.5	4.6	10	6.3	5.0	23	5.3	2
AGS 2024	60.6	52.8	92	0.0	0.0	0	5.5	4.5	35	4.3	7.5	49	3.0	6
PIONEER 26R94	60.3	55.3	89	1.0	0.0	0	5.5	5.6	9	6.5	7.0	33	5.0	9
TX15D9579	56.6	52.3	85	1.0	0.0	0	5.0	6.2	21	5.0	7.5	49	3.3	11
Mean	64.1	54.4	87.7	0.9	0.5	5	5.6	4.7	19	5.5	6.9	40	4.1	8
CV%	9	1	2	-	-	-	-	13	29	9	12	21	19	-
LSD(0.10)	11.7	2.4	3	-	-	-	-	1.3	15.2	0.9	NS	18.6	1.1	-
* AGS 2038 and AGS 2055 are medium-late checks for cross comparison.														
Bold 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.														
Lod Score is lodging score on a scale of 0 = none to 9 = 100% lodged.														
Stripe rust is relative score with 0 = none and 9 = severe infection and dieback.														
Leaf Rust is percent tissue of upper three leaves affected by leaf rust.														
Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density, leaf color and														
FHB score is Fusarium headblight rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.														
FDK is percent Fusarium Damaged Kernels.														
Seed Qual (SDK) is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.														
** Misted Nursery was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.														
*** DON data is from 2019 - 2020 data not completed yet. DON is Deoxynivalenol toxin concentration from the misted and inoculated nursery.														
NS indicates that variety mean differences were not statistically significant.														
Data from Macon Ridge Research Station in Winnsboro, LA.														

Table 6. Early maturity wheat performance in North Louisiana for three years, 2018, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/ac)	Test Weight (lbs/bu)	Head Day (of yr)	Lod Score (0-9)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery ** FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery DON*** (ppm)	Misted Nursery SDQ (0-9)
AGS 2055*	79.4	56.5	91	0.3	0	6.0	2.3	11	5.8	6.5	52	14.5	2.3
AGS 2038*	77.5	57.9	92	0.4	0	5.9	2.8	19	5.3	6.2	44	10.7	2.3
DELTA GROW 3500	76.5	58.4	84	1.0	0	5.8	6.8	45	3.8	5.6	31	5.9	5.5
AGS 2024	76.3	56.5	88	0.3	0	5.4	4.5	35	4.3	6.7	46	9.8	3.0
PIONEER 26R94	71.6	57.4	86	0.5	0	5.6	5.6	9	6.5	6.0	34	9.6	5.0
AGS 3000	62.6	57.0	80	1.4	43	5.6	4.6	10	6.3	4.2	28	6.7	5.3
Mean	74.2	57.3	87.1	0.6	7	5.7	4.4	22	5.3	5.8	39	9.5	3.9
CV	12	3	2	87	28	10	15	26	7	12	27	52	14
LSD	8.2	NS	2.7	NS	-	0.7	1.7	20.5	1.1	1.4	NS	NS	1.0
* AGS 2038 and AGS 2055 are medium-late checks for cross comparison.													
Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.													
Lod Score is lodging score on a scale of 0 = none to 9 = 100% lodged.													
Leaf Rust is percent tissue of upper three leaves affected by leaf rust.													
Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density,													
FHB score is 0-9 Fusarium symptoms on head from yield plots (non-inoculated) and from a misted and inoculated nursery.													
FDK is percent Fusarium Damaged Kernels from yield plots and from a misted and inoculated nursery.													
Seed Qual (SDQ) is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.													
** Misted Nursery was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.													
*** DON data is from 2019 - 2020 data not completed yet. DON is Deoxynivalenol toxin concentration from the misted and inoculated nursery.													
NS indicates that variety mean difference were not statistically significant.													
Data from Macon Ridge Research Station in 2018, 2019, and 2020; and Alexandria and Bossier City in 2018.													

Table 7. Late maturity wheat performance trial at Alexandria, LA for 2020.

Brand / Variety	Head Date, fungicide (of yr)	Head Date (of yr)	FHB Score, fungicide (0-9)	FHB Score (0-9)	FHB Fungicide Difference	Vern Score (0-9)	Stem Rust Score (0-9)	Misted Nursery* FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery FHB Score (0-9)	Misted Nursery Rel Mat (0-9)
GA09377-16LE18	75.3	75.0	4.0	5.0	1.0	8.5	0.0	50	2.5	8.0	3.5
GA071518-16E39	77.0	74.3	4.0	5.3	1.3	9.0	0.0	45	3.5	5.0	4.5
USG 3640	77.3	80.0	3.3	3.7	0.3	9.0	0.0	35	5.0	7.0	4.0
GA101298-17LE11	78.0	77.7	3.0	4.0	1.0	9.0	0.0	31	4.0	4.0	6.0
GO WHEAT LA754	78.0	79.0	2.7	4.7	2.0	8.5	0.0	35	3.5	8.0	3.5
DYNA-GRO RIVERLAND	78.7	78.0	2.7	3.3	0.7	8.5	0.0	43	3.5	7.5	3.5
GA10407-17E8	79.0	78.3	3.7	4.0	0.3	9.0	0.0	38	3.5	8.0	4.0
DYNA-GRO PLANTATION	79.3	80.0	2.7	3.3	0.7	8.5	0.0	16	6.0	4.0	4.5
LA12080LDH-72	79.3	79.0	1.7	3.3	1.7	8.0	0.0	15	6.5	7.0	4.0
LA13154D-WN1	79.3	79.7	3.7	4.3	0.7	9.0	0.0	18	4.5	5.5	4.0
GA09436-16LE12	79.7	78.0	2.7	3.0	0.3	9.0	0.0	38	3.5	6.5	4.0
GA11656-17E11	80.3	80.3	2.7	3.7	1.0	8.5	0.0	45	3.0	7.0	3.5
LANC11558-33	80.7	81.0	2.0	3.0	1.0	8.5	5.0	13	5.5	7.5	4.0
VA16W-202	80.7	82.3	2.3	3.7	1.3	8.0	0.0	8	6.0	3.5	4.0
PROGENY PGX19-17	81.0	82.0	2.3	3.7	1.3	9.0	0.0	1	6.0	5.0	4.0
AGS 3040	81.7	83.0	1.3	2.0	0.7	8.0	0.0	3	7.0	3.5	4.0
AR06146E-1-4	81.7	80.7	1.3	1.3	0.0	9.0	0.0	6	7.0	2.0	4.0
GA10268-17LE16	81.7	82.3	1.7	2.7	1.0	8.5	1.0	18	5.0	6.5	4.5
AGRIMAXX 481	82.0	82.3	2.0	2.3	0.3	7.5	0.0	15	5.5	5.0	4.0
AR09137UC-17-2	82.3	85.0	1.3	1.7	0.3	8.5	0.0	3	7.5	2.0	6.0
LA15203-LDH093	82.3	83.0	1.0	2.0	1.0	7.0	0.0	3	7.5	3.0	4.5
LCS L11919	83.0	87.0	0.3	1.7	1.3	7.5	0.0	3	7.5	2.5	5.0
GO WHEAT 6000	84.0	82.3	1.7	2.0	0.3	8.5	0.0	3	7.0	4.0	4.0
LIBERTY 5658	84.0	85.7	0.0	0.0	0.0	8.0	0.0	1	8.0	2.5	4.5
LA12275DH-56	84.3	85.0	1.0	1.0	0.0	7.5	0.0	5	7.0	4.0	4.0
SY RICHIE	84.3	85.0	1.7	1.7	0.0	7.5	0.0	8	6.5	3.5	4.0
GA101004-17LE17	84.7	86.3	1.3	2.3	1.0	7.0	0.0	11	6.0	3.0	5.5
LA14086LDH-172	84.7	84.0	1.0	1.0	0.0	7.5	0.0	18	5.5	5.5	4.5
PROGENY AG #FURY	85.3	84.7	1.0	1.7	0.7	7.5	0.0	13	6.0	3.0	5.5
USG 3118	86.3	87.7	1.3	1.3	0.0	7.5	0.0	1	7.5	1.0	7.0
PROGENY PGX18-11	87.7	87.3	1.0	0.7	-0.3	6.5	0.0	3	7.0	0.5	5.0
PROGENY AG PGX 18-2	88.0	90.7	0.0	1.3	1.3	7.0	1.0	8	5.0	0.0	9.0
AGS 2038	88.3	88.3	0.7	2.0	1.3	7.0	0.0	18	4.5	2.0	6.0
LA15166LDH-272	88.3	86.3	2.0	1.0	-1.0	7.0	0.0	3	6.5	1.0	5.0
AGS 2055	88.7	87.3	1.3	2.0	0.7	7.5	0.0	10	6.5	1.5	6.5
AGRIMAXX 492	90.0	88.7	1.3	1.0	-0.3	7.5	2.3	3	8.0	2.0	5.0

Table 7. Late maturity wheat performance trial at Alexandria, LA for 2020.

Brand / Variety	Head Date, fungicide (of yr)	Head Date (of yr)	FHB Score, fungicide (0-9)	FHB Score (0-9)	FHB Fungicide Difference	Vern Score (0-9)	Stem Rust Score (0-9)	Misted Nursery* FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery FHB Score (0-9)	Misted Nursery Rel Mat (0-9)
DYNA-GRO 9811	90.7	91.0	0.7	0.0	-0.7	6.5	0.0	3	7.0	0.5	7.0
PROGENY AG PGX 18-7	91.7	92.3	0.3	0.3	0.0	6.0	0.0	1	8.0	0.0	7.5
SY VIPER	92.7	92.3	0.3	0.3	0.0	4.5	0.0	5	6.0	0.5	7.0
SY 547	93.0	94.3	0.7	0.0	-0.7	4.5	0.0	3	7.0	0.5	7.0
PROGENY AG #TURBO	93.7	92.7	0.0	0.3	0.3	5.0	0.0	1	7.0	2.0	7.0
DG 9002	95.3	95.0	0.0	0.3	0.3	4.0	0.0	1	7.0	0.0	7.5
LA15203-LDH112	96.0	94.0	1.3	1.0	-0.3	3.5	0.0	1	7.5	0.0	7.0
LA15203-LDH200	96.0	95.7	0.7	0.7	0.0	3.0	0.0	3	7.0	1.0	8.0
PROGENY PGX19-15	96.3	100.0	0.0	0.0	0.0	2.0	2.0	8	5.0	0.5	8.0
PIONEER 26R59	98.7	98.3	0.0	0.0	0.0	2.0	0.0	5	6.0	0.0	8.0
AGRIMAXX 473	100.0	100.0	0.3	0.0	-0.3	2.0	0.0	1	7.0	0.0	8.0
USG 3539	100.0	98.0	0.0	0.0	0.0	2.0	0.0	5	6.0	0.0	8.0
PIONEER 26R45	100.7	100.0	0.0	0.0	0.0	2.0	0.0	1	7.0	0.0	7.0
PROGENY PGX19-12	101.7	102.0	0.0	0.0	0.0	1.5	0.0	3	6.5	0.0	8.0
PROGENY PGX18-9	102.3	99.3	0.0	0.0	0.0	1.5	0.0	3	7.0	0.5	7.5
DYNA-GRO 9701	103.0	98.0	0.0	0.0	0.0	2.0	0.0	1	7.0	0.0	8.0
PROGENY AG #BULLET	103.0	102.0	0.0	0.0	0.0	2.0	0.0	1	7.0	0.0	7.5
DELTA GROW 1000	103.3	103.0	0.0	0.0	0.0	2.0	0.0	1	6.5	0.0	8.0
PROGENY AG PGX 18-8	103.3	103.7	1.7	2.0	0.3	2.5	0.0	8	5.0	0.0	8.0
Mean	87.8	87.8	1.3	1.7	0.4	6.3	0.2	12	6.0	2.9	5.7
CV%	3	2	51	34	-	12	413	112	18	53	13
LSD(0.10)	3.3	2.9	0.9	0.8	-	1.3	1.2	21.5	1.8	2.5	1.2

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

FHB Score is Fusarium headblight rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.

Vern Score is an indication of the degree of heading when not all varieties head properly. Rated 0 – 9 where a higher number indicates more normal heading and a lower number indicates heads emerged unevenly or not at all.

Stem Rust Score where 0 = none, 9 = very severe.

FDK is percent Fusarium Damaged Kernels.

SDK is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor

Rel Mat is relative maturity indicating relative heading date on a 0 - 9 scale where a lower number is earlier, taken after flag leaf stage and before maturity.

* **Misted Nursery** was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.

Dean Lee Research Station in Alexandria, LA. Fred Collins, Caitlin deNux, Dana Landry, Laura Lee, Boyd Padgett. **Trial was destroyed by a tornado just prior to harvest.**

Cultural Practices: Planted 11-19-19, 12-06-19 2 fl oz/A Powerflex, 2-02-20 40 units N and 13 units S, 3-01-20 60 units N, 13 units S, and 1 unit B, 3-27-20 1.5 fl oz Karate, 3-27-20 and 4-7-20 reps 4,5, and 6 13.7 fl oz/A Miravis Ace.

Table 8. Late maturity wheat performance trial at Winnsboro for 2020. With and without fungicide.

Brand / Variety	Grain Yield ^a , fungicide	Grain Yield, no fungicide	Yield Fungicide Difference	Test Weight ^b , fungicide	Test Weight, no fungicide	Test Weight Difference (lbs/bu)	Head Day ^c , fungicide	Head Day, no fungicide	FHB Score ^d , fungicide	FHB score, no fungicide	FHB Fungicide Difference	FDK ^e , fungicide	FDK, no fungicide	FDK Fungicide Difference	DON ^f , fungicide	DON, no fungicide	DON Fungicide Difference	Seed Qual ^g , fungicide	Seed Qual, no fungicide	SDQ Fungicide Difference	Phenotype ^h , fungicide	Phenotype, no fungicide	Misted Nursery ⁱ FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery DON (ppm)
PIONEER 26R45	88.0	86.4	1.6	56.2	56.1	0.1	91.7	91.3	1.0	1.0	0.0	6	3	3	0.5	0.5	0.0	7.0	7.5	-0.5	5.7	5.5	1.0	2	6.3	.
PROGENY AG #BULLET	85.2	79.9	5.3	56.5	57.1	-0.5	92.3	91.7	1.3	1.0	0.3	1	1	0	0.3	0.2	0.1	8.0	7.5	0.5	5.7	5.5	1.8	5	7.3	.
DYNA-GRO 9701	89.0	77.8	11.2	57.8	57.1	0.7	91.3	91.3	1.0	1.7	-0.7	3	1	2	0.7	0.5	0.3	7.0	7.0	0.0	6.3	6.0	1.0	1	7.5	.
DELTA GROW 1000	88.1	77.3	10.8	57.3	56.5	0.8	91.7	92.0	1.3	1.0	0.3	3	1	2	0.6	0.4	0.2	6.0	7.0	-1.0	6.0	5.5	1.0	1	7.3	.
AGRIMAXX 473	87.4	75.7	11.6	56.3	56.1	0.2	92.3	92.3	1.0	1.0	0.0	3	1	2	0.6	0.2	0.4	7.5	6.5	1.0	6.3	5.5	1.4	2	7.4	.
LCS L11919	87.5	75.7	11.8	58.8	56.2	2.6	80.3	85.7	2.0	5.7	-3.7	1	5	-4	0.2	0.6	-0.4	7.5	6.5	1.0	5.0	5.8	4.8	3	6.3	.
PROGENY PGX19-12	91.9	75.6	16.3	55.5	55.0	0.5	92.7	92.0	1.3	1.7	-0.3	1	3	-2	1.0	0.5	0.5	7.0	7.0	0.0	6.7	5.8	1.0	3	6.5	.
PROGENY PGX18-9	91.1	75.2	15.9	56.1	55.3	0.8	91.7	92.0	1.0	1.0	0.0	3	3	0	1.0	0.7	0.4	6.5	7.0	-0.5	6.0	5.5	1.3	3	7.3	.
LIBERTY 5658	83.5	74.5	8.9	58.1	56.3	1.8	80.7	81.3	2.7	5.0	-2.3	3	5	-2	0.3	1.7	-1.4	7.0	6.0	1.0	6.0	5.0	1.8	4	7.0	.
PROGENY AG PGX 18-7	80.9	73.9	7.0	58.1	58.3	-0.2	90.7	89.7	1.7	2.7	-1.0	8	5	3	0.8	1.9	-1.1	6.0	6.0	0.0	5.0	6.0	1.0	4	6.5	.
PROGENY AG PGX 18-8	78.4	73.7	4.7	56.0	57.0	-1.0	91.7	91.0	2.0	3.0	-1.0	1	8	-7	2.0	2.0	0.0	7.0	7.0	0.0	5.0	5.0	1.8	5	6.5	.
USG 3539	83.9	73.6	10.4	57.0	57.6	-0.6	91.7	91.0	1.7	2.3	-0.7	5	5	0	1.0	1.2	-0.2	7.0	7.0	0.0	5.7	5.3	3.0	18	6.0	.
AR09137UC-17-2	83.8	73.4	10.5	58.3	54.7	3.6	85.0	85.7	5.7	6.0	-0.3	10	15	-5	0.8	2.4	-1.6	6.5	6.0	0.5	6.3	5.5	2.8	5	6.5	.
LA15203-LDH112	79.4	73.2	6.1	58.1	57.2	0.9	90.0	90.3	2.7	2.3	0.3	10	5	5	1.4	1.0	0.4	6.0	6.5	-0.5	6.0	5.3	1.3	2	6.0	.
SY VIPER	86.2	73.2	13.0	57.8	56.7	1.0	87.7	86.7	2.7	3.0	-0.3	3	8	-5	1.3	1.7	-0.4	5.5	5.5	0.0	6.7	5.8	2.0	2	6.8	.
AGRIMAXX 492	83.6	71.9	11.6	58.9	56.8	2.1	84.3	86.0	4.7	5.7	-1.0	1	15	-14	0.3	0.8	-0.5	7.0	6.5	0.5	6.3	6.5	4.8	18	6.0	.
SY 547	78.2	71.6	6.5	57.3	55.9	1.4	90.0	90.0	2.0	1.7	0.3	3	13	-10	1.0	0.8	0.1	6.5	6.0	0.5	6.0	5.0	2.5	3	7.0	.
AGS 3040	79.6	71.2	8.4	56.4	54.9	1.5	79.0	81.0	3.0	5.0	-2.0	1	5	-4	0.4	0.6	-0.3	6.5	5.0	1.5	6.7	6.0	4.0	3	7.0	.
DYNA-GRO 9811	82.6	71.1	11.5	57.7	57.0	0.7	84.7	89.3	3.0	3.7	-0.7	8	8	0	0.7	1.2	-0.5	5.0	6.0	-1.0	5.0	5.5	2.5	5	7.0	.
PROGENY PGX18-11	83.5	70.9	12.6	57.1	54.5	2.6	86.7	85.7	4.3	4.7	-0.3	3	10	-7	0.6	2.2	-1.6	7.5	5.5	2.0	6.0	7.0	1.5	4	7.0	.
SY RICHIE	79.0	70.5	8.5	55.5	54.0	1.4	80.3	84.7	2.3	6.3	-4.0	8	15	-8	0.9	2.2	-1.3	6.5	6.0	0.5	6.7	6.0	2.8	9	5.5	.
LA12275DH-56	76.2	70.4	5.8	57.1	56.2	0.9	86.3	86.0	3.0	4.3	-1.3	8	10	-3	1.5	1.7	-0.2	7.5	5.0	2.5	5.3	6.5	4.5	9	5.8	.
PROGENY PGX19-17	83.3	70.2	13.1	55.3	52.5	2.8	79.0	82.7	3.7	5.3	-1.7	1	5	-4	0.5	1.5	-1.0	4.5	5.0	-0.5	5.3	5.8	5.3	2	5.5	.
AR06146E-1-4	75.5	70.0	5.6	59.3	56.4	2.8	80.3	83.7	2.3	4.7	-2.3	3	1	2	0.2	0.8	-0.6	8.0	7.0	1.0	6.3	7.0	4.3	6	6.5	.
USG 3118	80.8	69.8	11.1	58.2	55.5	2.7	86.0	85.0	3.3	5.3	-2.0	6	13	-7	0.7	2.2	-1.5	7.0	6.0	1.0	5.7	5.3	3.0	7	6.3	.
GO WHEAT 6000	76.6	69.4	7.2	57.4	55.1	2.2	79.0	82.7	4.3	5.0	-0.7	3	5	-2	0.4	0.7	-0.3	6.5	6.5	0.0	6.3	5.5	6.0	14	5.8	.
DG 9002	82.7	69.1	13.6	57.9	55.9	2.0	87.3	89.3	4.3	4.3	0.0	1	5	-4	0.3	0.6	-0.3	8.0	7.0	1.0	6.0	6.0	1.5	1	7.5	.
LA14086LDH-172	83.2	69.1	14.1	57.2	55.6	1.7	87.7	87.3	3.7	5.0	-1.3	15	20	-5	4.4	6.2	-1.8	5.0	4.5	0.5	6.3	5.8	3.0	12	5.3	.
LA13154D-WN1	81.7	68.3	13.3	56.9	53.3	3.6	85.0	84.0	5.0	6.7	-1.7	3	10	-7	1.2	2.6	-1.5	6.0	4.5	1.5	6.0	5.8	4.8	10	5.8	.
PIONEER 26R59	76.0	68.0	8.0	55.9	55.3	0.6	89.7	90.7	2.7	3.3	-0.7	6	8	-2	1.9	1.7	0.3	7.0	6.0	1.0	5.0	5.3	1.5	3	6.8	.
LA15203-LDH200	77.6	67.3	10.3	57.9	56.9	1.1	91.0	91.7	1.3	1.7	-0.3	8	8	0	1.9	1.2	0.7	6.5	7.0	-0.5	5.7	6.0	3.3	7	6.5	.
LANC11558-33	71.2	66.6	4.6	57.9	55.4	2.5	80.0	81.7	4.3	7.7	-3.3	1	8	-7	1.1	1.2	-0.1	7.0	6.0	1.0	5.3	6.0	6.0	4	7.0	.
LA15203-LDH093	78.6	66.4	12.2	59.2	56.5	2.7	81.0	85.3	3.0	3.7	-0.7	1	8	-7	0.3	0.8	-0.5	8.0	6.5	1.5	5.3	5.5	3.0	3	7.5	.
GA10268-17LE16	76.4	65.2	11.2	56.0	53.6	2.4	87.7	86.7	4.3	5.0	-0.7	13	18	-5	2.6	3.6	-1.0	5.5	3.0	2.5	6.0	5.8	5.0	21	4.5	.
GA11656-17E11	82.4	65.1	17.3	58.6	54.4	4.3	79.0	82.7	5.0	7.3	-2.3	10	25	-15	1.7	4.6	-2.9	6.0	5.0	1.0	6.0	5.5	4.3	17	5.3	.
PROGENY AG #TURBO	69.5	65.0	4.5	56.7	56.7	-0.1	90.0	88.0	2.3	3.3	-1.0	6	3	3	0.9	1.4	-0.4	5.5	6.5	-1.0	5.3	5.0	2.3	2	5.5	.
VA16W-202	70.0	63.5	6.4	56.5	54.9	1.6	80.3	79.0	2.7	6.7	-4.0	3	8	-5	0.7	0.7	0.0	6.5	6.5	0.0	6.7	6.0	5.7	12	6.3	.
AGS 2055	78.1	63.1	15.0	55.9	52.7	3.2	87.3	88.0	4.3	5.0	-0.7	25	20	5	3.1	6.6	-3.5	5.0	4.0	1.0	6.3	5.8	4.8	24	5.0	.

Table 8. Late maturity wheat performance trial at Winnsboro for 2020. With and without fungicide.

Brand / Variety	Grain Yield ^a , fungicide	Grain Yield, no fungicide	Yield Fungicide Difference	Test Weight ^b , fungicide	Test Weight, no fungicide	Test Weight Difference (lbs/bu)	Head Day ^c , fungicide	Head Day, no fungicide	FHB Score ^d , fungicide	FHB score, no fungicide	FHB Fungicide Difference	FDK ^e , fungicide	FDK, no fungicide	FDK Fungicide Difference	DON ^f , fungicide	DON, no fungicide	DON Fungicide Difference	Seed Qual ^g , fungicide	Seed Qual, no fungicide	SDQ Fungicide Difference	Phenotype ^h , fungicide	Phenotype, no fungicide	Misted Nursery ⁱ FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery DON (ppm)
DYNA-GRO RIVERLAND GA101004-17LE17	78.3 77.0	62.8 62.5	15.5 14.5	57.1 58.0	52.9 55.6	4.2 2.4	79.0 82.7	78.0 81.7	7.0 5.7	8.0 7.3	-1.0 -1.7	15 8	40 30	-25 -22	2.4 1.8	6.4 2.7	-4.1 -0.9	5.5 6.0	3.5 3.0	2.0 3.0	6.0 6.3	5.0 5.8	3.8 7.3	11 25	4.5 4.3	. .
DYNA-GRO PLANTATION LA15166LDH-272 GA10407-17E8 PROGENY AG #FURY AGRIMAXX 481	72.0 74.4 74.2 76.4 78.6	62.3 61.7 61.4 61.3 60.2	9.7 12.7 12.8 15.1 18.3	57.7 57.7 55.4 56.7 57.5	53.7 56.1 51.8 52.0 53.7	4.0 1.5 3.6 4.7 3.8	77.0 85.0 79.0 83.0 78.0	78.0 86.3 79.0 84.0 78.0	6.0 4.0 6.7 5.3 6.3	8.3 4.0 8.7 7.0 8.3	-2.3 0.0 -2.0 -1.7 -2.0	23 3 18 13 10	30 13 28 48 30	-8 -10 -10 -35 -20	1.7 0.8 2.1 2.6 0.8	4.2 1.9 5.0 4.4 5.0	-2.5 -1.1 -3.0 -1.8 -4.2	4.0 7.0 5.0 7.0 6.5	4.0 5.5 4.5 3.5 4.5	0.0 1.5 0.5 3.5 2.0	5.7 5.3 6.0 6.3 6.0	5.8 4.8 5.5 5.5 4.8	7.3 3.8 7.5 5.0 5.5	34 4 26 35 14	5.0 6.8 3.8 4.5 5.8
PROGENY PGX19-15 LA12080LDH-72 GO WHEAT LA754 USG 3640 AGS 2038	77.8 73.4 75.7 77.0 75.0	60.0 59.6 59.2 58.7 57.9	17.9 13.8 16.5 18.3 17.0	56.0 56.0 56.4 57.0 56.3	53.3 53.3 52.1 52.6 52.7	2.7 2.7 4.4 4.3 3.6	91.0 80.3 79.0 82.3 87.3	91.3 81.0 79.0 79.0 88.0	1.7 4.3 5.7 6.0 4.3	1.3 7.3 8.0 8.0 4.7	0.3 -3.0 -2.3 -2.0 -0.3	8 3 15 18	8 10 50 33 38	0 -7 -35 -15 -20	1.2 0.6 1.4 2.7 3.8	0.8 0.8 4.2 4.8 6.1	0.4 -0.3 -2.8 -2.1 -2.4	7.0 6.5 6.0 6.0 4.5	7.0 5.0 3.0 3.5 4.0	0.0 1.5 3.0 2.5 0.5	5.0 5.7 5.3 6.0 6.3	5.0 6.0 5.0 5.3 5.3	2.5 5.0 6.5 4.3 4.0	4 10 18 5 28	6.0 5.5 5.8 6.8 4.5
GA09436-16LE12 PROGENY AG PGX 18-2 GA101298-17LE11 DYNA-GRO BLANTON DYNA-GRO RUTLEDGE	79.4 70.1 65.2 78.3 67.3	57.8 56.2 52.2 50.3 50.1	21.6 13.9 13.0 28.0 17.1	58.8 58.1 57.5 55.9 55.7	56.7 55.6 52.8 50.1 49.1	2.0 2.5 4.7 5.8 6.6	79.0 82.7 80.0 78.0 78.0	83.0 85.0 79.0 79.0 78.0	5.3 5.0 6.0 7.3 7.0	7.0 6.7 8.0 8.3 8.3	-1.7 -1.7 -2.0 -1.0 -1.3	8 6 13 28 13	13 13 35 45 43	-5 -7 -23 -18 -30	1.5 1.2 1.7 2.3 3.2	3.4 1.5 4.5 7.3 8.0	-1.9 -0.3 -2.8 -5.1 -4.8	5.0 6.5 5.0 4.0 5.5	4.0 5.5 3.0 3.5 2.5	1.0 1.0 2.0 0.5 3.0	6.0 5.7 5.3 6.0 6.3	4.5 5.5 5.0 3.8 4.0	2.5 1.5 5.0 6.3 8.0	7 6 12 53 44	5.8 6.3 5.0 2.8 3.0
MEAN	79.2	67.0	12.3	57.1	54.9	2.3	84.7	85.4	3.7	5.0	-1.3	7	15	-7	1.3	2.4	-1.1	6.3	5.4	0.9	5.9	5.5	3.6	11	6.0	.
CV%	6	5	-	1	2	-	2	2	22	11	10	49	59	-	35	39	-	13	19	-	-	10	46	90	21	.
LSD(0.10)	6.4	4.9	-	1.0	1.2	-	2.4	2.2	1.1	0.8	0.3	6.1	14.8	-	0.7	1.6	-	1.4	2.0	-	-	0.9	2.8	18.1	1.8	.

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

^a**Grain Yield** is bushels per acre at 13% moisture.

^b**Test Weight** is pounds per bushel.

^c**Head Day** is day of year for 50% heading.

^d**FHB Score** is Fusarium headblight rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.

^e**FDK** is percent Fusarium Damaged Kernels.

^f**DON** data is not completed yet. DON is Deoxynivalenol toxin concentration.

DON correlations. With fungicide: DON/FDK 0.73**, DON/SDQ -0.57**, DON/YIELD -0.318. No fungicide: DON/FDK 0.84**, DON/SDQ -0.7988, DON/YIELD -0.66**.

^g**Seed Qual (SDQ)** is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor

^h**Phenotype (PHE)** is overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.

ⁱ**Misted Nursery** was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.

Macon Ridge Research Station at Winnsboro, LA. Trey Price, Steve Harrison, Dustin Ezell, Myra Purvis, Kelly Arceneaux, Allysson Harding, and Katie McCarthy Fontenot.



Table 9. Late maturity wheat performance at Winnsboro for two years, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Lod Score (0-9)	Stripe Rust (0-9)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery * FHB (0-9) [2 yr]	Misted Nursery FDK (%) [2 yr]	Misted Nursery SDK (0-9) [2 yr]	Misted Nursery DON** (ppm) [2019]
PIONEER 26R45	84.0	56.1	99	1.3	0.0	4	5.1	0.6	4	7.0	3.5	31	4.5	11
DYNA-GRO 9811	78.9	56.6	96	0.0	0.0	0	5.3	2.7	9	5.8	4.8	44	4.3	12
AGRIMAXX 492	78.2	56.9	93	1.8	0.0	0	6.0	4.9	16	6.0	6.0	33	5.0	5
DELTA GROW 1000	77.9	55.9	100	0.3	0.0	0	5.3	0.9	3	6.3	3.3	36	5.0	19
DYNA-GRO 9701	77.6	56.3	100	0.0	0.0	0	5.8	1.0	3	6.3	3.3	33	5.5	22
SY RICHIE	77.4	54.0	90	0.0	0.0	0	5.8	5.6	21	5.8	5.3	25	4.3	6
PROGENY AG PGX 18-8	77.2	56.2	97	0.0	0.0	4	4.5	2.4	11	6.3	4.3	43	4.5	21
AR06146E-1-4	76.0	57.7	90	0.5	0.0	0	6.3	3.6	3	7.0	5.5	10	5.0	3
AGS 2055	75.8	53.9	96	0.3	2.5	0	5.3	3.3	13	5.0	7.8	66	2.3	16
PROGENY AG PGX 18-7	75.7	58.3	97	0.0	15.0	1	5.6	1.7	5	6.3	3.5	35	4.3	22
SY VIPER	75.7	57.1	95	1.0	0.0	9	5.4	2.4	6	6.3	4.3	27	4.8	10
SY 547	75.4	56.3	97	0.8	5.0	0	4.5	1.1	13	6.0	3.5	37	4.8	12
DG 9002	75.3	55.9	96	0.5	0.0	2	5.2	2.9	5	6.7	4.5	36	5.5	8
PROGENY AG #BULLET	75.2	56.6	100	0.0	1.3	0	5.0	0.9	7	6.5	3.3	26	5.3	17
AGRIMAXX 473	73.7	55.6	99	0.0	0.0	0	5.3	1.0	9	5.5	3.5	37	5.5	24
LIBERTY 5658	73.6	56.9	90	0.0	0.0	4	5.4	3.4	5	6.5	3.3	11	5.5	4
USG 3118	73.4	55.9	94	0.0	0.0	0	5.1	3.7	11	6.3	6.3	34	4.3	6
LA12080LDH-72	73.1	54.1	87	3.0	0.0	3	6.3	5.6	9	6.0	4.3	9	4.5	2
PROGENY AG PGX 18-2	72.8	56.0	94	1.5	0.0	0	5.4	5.1	20	5.3	3.8	35	4.8	8
PIONEER 26R59	72.4	53.0	97	0.3	0.0	8	5.0	2.6	6	6.0	4.8	40	4.8	13
DYNA-GRO PLANTATION	72.3	54.6	84	3.3	18.8	0	5.3	7.1	34	4.8	7.8	36	4.8	3
PROGENY AG #FURY	71.3	52.2	92	0.0	10.3	0	4.9	5.6	49	3.8	8.0	80	1.5	14
PROGENY AG #TURBO	70.9	57.2	96	0.0	0.0	0	5.1	2.4	7	6.8	5.0	21	4.3	9
AGS 3040	70.8	55.3	89	2.3	21.3	0	5.4	3.7	16	4.8	6.5	25	5.3	3
USG 3640	70.5	53.6	87	0.3	15.0	0	5.3	5.4	36	3.8	6.0	25	5.3	4
AGRIMAXX 481	69.4	54.4	85	3.0	17.5	0	4.6	6.9	40	4.0	7.8	26	4.5	5
AGS 2038	68.6	54.0	96	0.3	0.0	0	5.0	3.0	26	4.5	7.3	70	2.0	25
GO WHEAT LA754	67.4	52.3	85	3.5	25.0	2	5.1	6.3	60	3.3	5.3	31	5.0	3
DYNA-GRO RUTLEDGE	66.3	51.8	86	0.3	0.8	0	5.4	6.3	33	4.0	8.3	64	2.3	9
DYNA-GRO BLANTON	63.6	52.1	87	2.0	4.0	0	4.6	6.1	41	4.3	6.8	48	3.0	4
GA09436-16LE12	63.5	56.6	91	0.5	1.0	0	5.0	4.7	18	4.0	5.0	18	4.3	4



Table 9. Late maturity wheat performance at Winnsboro for two years, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Lod Score (0-9)	Stripe Rust (0-9)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery * FHB (0-9) [2 yr]	Misted Nursery FDK (%) [2 yr]	Misted Nursery SDK (0-9) [2 yr]	Misted Nursery DON** (ppm) [2019]
Mean	73.3	55.3	93.0	0.8	4.4	1	5.3	3.6	18	5.5	5.2	35	4.4	10
CV%	8	2	2	121	141	196	14	18	75	18	18	36	20	26
LSD(0.10)	NS	2.8	3	-	-	-	1.1	1.4	12.8	1.5	2.1	25.8	1.9	-
Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.														
Lod Score is lodging score on a scale of 0 = none to 9 = 100% lodged.														
Stripe rust is relative score with 0 = none and 9 = severe infection and dieback.														
Leaf Rust is percent tissue of upper three leaves affected by leaf rust.														
Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density, leaf color and health,														
FHB score is 0-9 Fusarium symptoms on head from yield plots (non-inoculated) and from a misted and inoculated nursery.														
FDK is percent Fusarium Damaged Kernels from yield plots and from a misted and inoculated nursery.														
Seed Qual (SDK) is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.														
* Misted Nursery was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.														
**DON data is from 2019 - 2020 data not completed yet. DON is Deoxynivalenol toxin concentration.														
NS indicates that variety mean difference were not statistically significant.														
Macon Ridge Research Station in Winnsboro, LA. Trey Price, Steve Harrison, Dustin Ezell, Myra Purvis, Kelly Arceneaux, Allysson Harding, and Katie McCarthy Fontenot.														

Table 10. Late maturity wheat performance trial across North Louisiana 2020. With and without fungicide.

Brand / Variety	Grain Yield ^a , fungicide	Grain Yield, no fungicide	Yield Fungicide Difference	Test Weight ^b , fungicide	Test Weight, no fungicide	TWT Fungicide Difference	Head Day ^c , fungicide	Head Day, no fungicide	FHB Score ^d , fungicide	FHB score, no fungicide	FHB Fungicide Difference	FDK ^e , fungicide	FDK, no fungicide	FDK Fungicide Difference	DON ^f , fungicide	DON, no fungicide	DON Fungicide Difference	Seed Qual ^g , fungicide	Seed Qual, no fungicide	SDQ Fungicide Difference	Phenotype ^h , fungicide	Phenotype, no fungicide	Misted Nursery FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery DON (ppm)
PROGENY PGX19-12	91.9	75.6	16.3	55.5	55.0	0.5	97.3	96.8	0.7	0.8	-0.2	1	3	-2	1.0	0.5	0.5	7.0	7.0	0.0	6.7	5.8	1.0	3	6.5	.
PROGENY PGX18-9	91.1	75.2	15.9	56.1	55.3	0.8	95.5	97.2	0.5	0.5	0.0	3	3	0	1.0	0.7	0.4	6.5	7.0	-0.5	6.0	5.5	1.3	3	7.3	.
DYNA-GRO 9701	89.0	77.8	11.2	57.8	57.1	0.7	94.7	97.2	0.5	0.8	-0.3	3	1	2	0.7	0.5	0.3	7.0	7.0	0.0	6.3	6.0	1.0	1	7.5	.
DELTA GROW 1000	88.1	77.3	10.8	57.3	56.5	0.8	97.3	97.7	0.7	0.5	0.2	3	1	2	0.6	0.4	0.2	6.0	7.0	-1.0	6.0	5.5	1.0	1	7.3	.
PIONEER 26R45	88.0	86.4	1.6	56.2	56.1	0.1	95.8	96.0	0.5	0.5	0.0	6	3	3	0.5	0.5	0.0	7.0	7.5	-0.5	5.7	5.5	1.0	2	6.3	.
LCS L11919	87.5	75.7	11.8	58.8	56.2	2.6	83.7	84.3	1.2	3.7	-2.5	1	5	-4	0.2	0.6	-0.4	7.5	6.5	1.0	5.0	5.8	4.8	3	6.3	.
AGRIMAXX 473	87.4	75.7	11.6	56.3	56.1	0.2	96.2	96.2	0.7	0.5	0.2	3	1	2	0.6	0.2	0.4	7.5	6.5	1.0	6.3	5.5	1.4	2	7.4	.
SY VIPER	86.2	73.2	13.0	57.8	56.7	1.0	90.0	89.7	1.5	1.7	-0.2	3	8	-5	1.3	1.7	-0.4	5.5	5.5	0.0	6.7	5.8	2.0	2	6.8	.
PROGENY AG #BULLET	85.2	79.9	5.3	56.5	57.1	-0.5	97.2	97.3	0.7	0.5	0.2	1	1	0	0.3	0.2	0.1	8.0	7.5	0.5	5.7	5.5	1.8	5	7.3	.
USG 3539	83.9	73.6	10.4	57.0	57.6	-0.6	94.8	95.5	0.8	1.2	-0.3	5	5	0	1.0	1.2	-0.2	7.0	7.0	0.0	5.7	5.3	3.0	18	6.0	.
AR09137UC-17-2	83.8	73.4	10.5	58.3	54.7	3.6	85.0	84.0	3.5	3.8	-0.3	10	15	-5	0.8	2.4	-1.6	6.5	6.0	0.5	6.3	5.5	2.8	5	6.5	.
AGRIMAXX 492	83.6	71.9	11.6	58.9	56.8	2.1	86.5	88.0	3.0	3.3	-0.3	1	15	-14	0.3	0.8	-0.5	7.0	6.5	0.5	6.3	6.5	4.8	18	6.0	.
PROGENY PGX18-11	83.5	70.9	12.6	57.1	54.5	2.6	87.0	86.7	2.7	2.7	0.0	3	10	-7	0.6	2.2	-1.6	7.5	5.5	2.0	6.0	7.0	1.5	4	7.0	.
LIBERTY 5658	83.5	74.5	8.9	58.1	56.3	1.8	83.2	82.7	1.3	2.5	-1.2	3	5	-2	0.3	1.7	-1.4	7.0	6.0	1.0	6.0	5.0	1.8	4	7.0	.
PROGENY PGX19-17	83.3	70.2	13.1	55.3	52.5	2.8	80.5	81.8	3.0	4.5	-1.5	1	5	-4	0.5	1.5	-1.0	4.5	5.0	-0.5	5.3	5.8	5.3	2	5.5	.
LA14086LDH-172	83.2	69.1	14.1	57.2	55.6	1.7	85.8	86.0	2.3	3.0	-0.7	15	20	-5	4.4	6.2	-1.8	5.0	4.5	0.5	6.3	5.8	3.0	12	5.3	.
DYNA-GRO DG 9002	82.7	69.1	13.6	57.9	55.9	2.0	91.2	92.3	2.2	2.3	-0.2	1	5	-4	0.3	0.6	-0.3	8.0	7.0	1.0	6.0	6.0	1.5	1	7.5	.
DYNA-GRO 9811	82.6	71.1	11.5	57.7	57.0	0.7	87.8	90.0	1.8	1.8	0.0	8	8	0	0.7	1.2	-0.5	5.0	6.0	-1.0	5.0	5.5	2.5	5	7.0	.
GA11656-17E11	82.4	65.1	17.3	58.6	54.4	4.3	79.7	81.5	3.8	5.5	-1.7	10	25	-15	1.7	4.6	-2.9	6.0	5.0	1.0	6.0	5.5	4.3	17	5.3	.
LA13154D-WN1	81.7	68.3	13.3	56.9	53.3	3.6	82.3	81.7	4.3	5.5	-1.2	3	10	-7	1.2	2.6	-1.5	6.0	4.5	1.5	6.0	5.8	4.8	10	5.8	.
PROGENY AG PGX 18-7	80.9	73.9	7.0	58.1	58.3	-0.2	91.5	90.7	1.0	1.5	-0.5	8	5	3	0.8	1.9	-1.1	6.0	6.0	0.0	5.0	6.0	1.0	4	6.5	.
USG 3118	80.8	69.8	11.1	58.2	55.5	2.7	86.8	85.7	2.3	3.3	-1.0	6	13	-7	0.7	2.2	-1.5	7.0	6.0	1.0	5.7	5.3	3.0	7	6.3	.
AGS 3040	79.6	71.2	8.4	56.4	54.9	1.5	81.0	81.3	2.2	3.5	-1.3	1	5	-4	0.4	0.6	-0.3	6.5	5.0	1.5	6.7	6.0	4.0	3	7.0	.
LA15203-LDH112	79.4	73.2	6.1	58.1	57.2	0.9	92.0	93.2	2.0	1.7	0.3	10	5	5	1.4	1.0	0.4	6.0	6.5	-0.5	6.0	5.3	1.3	2	6.0	.
GA09436-16LE12	79.4	57.8	21.6	58.8	56.7	2.0	78.5	81.3	4.0	5.0	-1.0	8	13	-5	1.5	3.4	-1.9	5.0	4.0	1.0	6.0	4.5	2.5	7	5.8	.
SY RICHIE	79.0	70.5	8.5	55.5	54.0	1.4	82.7	84.5	2.0	4.0	-2.0	8	15	-8	0.9	2.2	-1.3	6.5	6.0	0.5	6.7	6.0	2.8	9	5.5	.
LA15203-LDH093	78.6	66.4	12.2	59.2	56.5	2.7	82.0	83.8	2.0	2.8	-0.8	1	8	-7	0.3	0.8	-0.5	8.0	6.5	1.5	5.3	5.5	3.0	3	7.5	.
AGRIMAXX 481	78.6	60.2	18.3	57.5	53.7	3.8	80.2	80.0	4.2	5.3	-1.2	10	30	-20	0.8	5.0	-4.2	6.5	4.5	2.0	6.0	4.8	5.5	14	5.8	.
PROGENY AG PGX 18-8	78.4	73.7	4.7	56.0	57.0	-1.0	97.7	97.2	1.8	2.5	-0.7	1	8	-7	2.0	2.0	0.0	7.0	7.0	0.0	5.0	5.0	1.8	5	6.5	.
DYNA-GRO BLANTON	78.3	50.3	28.0	55.9	50.1	5.8	76.2	78.0	5.7	6.8	-1.2	28	45	-18	2.3	7.3	-5.1	4.0	3.5	0.5	6.0	3.8	6.3	53	2.8	.
DYNA-GRO RIVERLAND	78.3	62.8	15.5	57.1	52.9	4.2	78.5	78.3	4.8	5.7	-0.8	15	40	-25	2.4	6.4	-4.1	5.5	3.5	2.0	6.0	5.0	3.8	11	4.5	.
SY 547	78.2	71.6	6.5	57.3	55.9	1.4	92.2	91.5	1.3	0.8	0.5	3	13	-10	1.0	0.8	0.1	6.5	6.0	0.5	6.0	5.0	2.5	3	7.0	.
AGS 2055	78.1	63.1	15.0	55.9	52.7	3.2	87.3	88.3	2.8	3.5	-0.7	25	20	5	3.1	6.6	-3.5	5.0	4.0	1.0	6.3	5.8	4.8	24	5.0	.
PROGENY PGX19-15	77.8	60.0	17.9	56.0	53.3	2.7	95.5	93.8	0.8	0.7	0.2	8	8	0	1.2	0.8	0.4	7.0	7.0	0.0	5.0	5.0	2.5	4	6.0	.
LA15203-LDH200	77.6	67.3	10.3	57.9	56.9	1.1	93.3	93.8	1.0	1.2	-0.2	8	8	0	1.9	1.2	0.7	6.5	7.0	-0.5	5.7	6.0	3.3	7	6.5	.

Table 10. Late maturity wheat performance trial across North Louisiana 2020. With and without fungicide.

Brand / Variety	Grain Yield ^a , fungicide	Grain Yield, no fungicide	Yield Fungicide Difference	Test Weight ^b , fungicide	Test Weight, no fungicide	TWT Fungicide Difference	Head Day ^c , fungicide	Head Day, no fungicide	FHB Score ^d , fungicide	FHB score, no fungicide	FHB Fungicide Difference	FDK ^e , fungicide	FDK, no fungicide	FDK Fungicide Difference	DON ^f , fungicide	DON, no fungicide	DON Fungicide Difference	Seed Qual ^g , fungicide	Seed Qual, no fungicide	SDQ Fungicide Difference	Phenotype ^h , fungicide	Phenotype, no fungicide	Misted Nursery ⁱ FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDQ (0-9)	Misted Nursery DON (ppm)
GA101004-17LE17	77.0	62.5	14.5	58.0	55.6	2.4	84.5	83.2	3.5	4.8	-1.3	8	30	-22	1.8	2.7	-0.9	6.0	3.0	3.0	6.3	5.8	7.3	25	4.3	.
USG 3640	77.0	58.7	18.3	57.0	52.6	4.3	81.2	78.2	4.7	5.8	-1.2	18	33	-15	2.7	4.8	-2.1	6.0	3.5	2.5	6.0	5.3	4.3	5	6.8	.
GO WHEAT 6000	76.6	69.4	7.2	57.4	55.1	2.2	80.7	83.3	3.0	3.5	-0.5	3	5	-2	0.4	0.7	-0.3	6.5	6.5	0.0	6.3	5.5	6.0	14	5.8	.
PROGENY AG #FURY	76.4	61.3	15.1	56.7	52.0	4.7	83.8	84.7	3.2	4.3	-1.2	13	48	-35	2.6	4.4	-1.8	7.0	3.5	3.5	6.3	5.5	5.0	35	4.5	.
GA10268-17LE16	76.4	65.2	11.2	56.0	53.6	2.4	85.0	84.2	3.0	3.8	-0.8	13	18	-5	2.6	3.6	-1.0	5.5	3.0	2.5	6.0	5.8	5.0	21	4.5	.
LA12275DH-56	76.2	70.4	5.8	57.1	56.2	0.9	85.7	85.2	2.0	2.7	-0.7	8	10	-3	1.5	1.7	-0.2	7.5	5.0	2.5	5.3	6.5	4.5	9	5.8	.
PIONEER 26R59	76.0	68.0	8.0	55.9	55.3	0.6	94.0	94.7	1.3	1.7	-0.3	6	8	-2	1.9	1.7	0.3	7.0	6.0	1.0	5.0	5.3	1.5	3	6.8	.
GO WHEAT LA754	75.7	59.2	16.5	56.4	52.1	4.4	79.0	78.5	4.2	6.3	-2.2	15	50	-35	1.4	4.2	-2.8	6.0	3.0	3.0	5.3	5.0	6.5	18	5.8	.
AR06146E-1-4	75.5	70.0	5.6	59.3	56.4	2.8	80.5	82.7	1.8	3.0	-1.2	3	1	2	0.2	0.8	-0.6	8.0	7.0	1.0	6.3	7.0	4.3	6	6.5	.
AGS 2038	75.0	57.9	17.0	56.3	52.7	3.6	87.8	88.2	2.5	3.3	-0.8	18	38	-20	3.8	6.1	-2.4	4.5	4.0	0.5	6.3	5.3	4.0	28	4.5	.
LA15166LDH-272	74.4	61.7	12.7	57.7	56.1	1.5	85.7	87.3	3.0	2.5	0.5	3	13	-10	0.8	1.9	-1.1	7.0	5.5	1.5	5.3	4.8	3.8	4	6.8	.
GA10407-17E8	74.2	61.4	12.8	55.4	51.8	3.6	78.7	79.0	5.2	6.3	-1.2	18	28	-10	2.1	5.0	-3.0	5.0	4.5	0.5	6.0	5.5	7.5	26	3.8	.
LA12080LDH-72	73.4	59.6	13.8	56.0	53.3	2.7	79.7	80.2	3.0	5.3	-2.3	3	10	-7	0.6	0.8	-0.3	6.5	5.0	1.5	5.7	6.0	5.0	10	5.5	.
DYNA-GRO PLANTATION	72.0	62.3	9.7	57.7	53.7	4.0	78.5	78.7	4.3	5.8	-1.5	23	30	-8	1.7	4.2	-2.5	4.0	4.0	0.0	5.7	5.8	7.3	34	5.0	.
LANC11558-33	71.2	66.6	4.6	57.9	55.4	2.5	80.5	81.2	3.2	5.3	-2.2	1	8	-7	1.1	1.2	-0.1	7.0	6.0	1.0	5.3	6.0	6.0	4	7.0	.
PROGENY AG PGX 18-2	70.1	56.2	13.9	58.1	55.6	2.5	86.7	86.5	2.5	4.0	-1.5	6	13	-7	1.2	1.5	-0.3	6.5	5.5	1.0	5.7	5.5	1.5	6	6.3	.
VA16W-202	70.0	63.5	6.4	56.5	54.9	1.6	81.3	79.8	2.5	5.2	-2.7	3	8	-5	0.7	0.7	0.0	6.5	6.5	0.0	6.7	6.0	5.7	12	6.3	.
PROGENY AG #TURBO	69.5	65.0	4.5	56.7	56.7	-0.1	91.3	90.8	1.2	1.8	-0.7	6	3	3	0.9	1.4	-0.4	5.5	6.5	-1.0	5.3	5.0	2.3	2	5.5	.
DYNA-GRO RUTLEDGE	67.3	50.1	17.1	55.7	49.1	6.6	76.5	76.7	5.5	6.7	-1.2	13	43	-30	3.2	8.0	-4.8	5.5	2.5	3.0	6.3	4.0	8.0	44	3.0	.
GA101298-17LE11	65.2	52.2	13.0	57.5	52.8	4.7	78.8	78.5	4.5	6.0	-1.5	13	35	-23	1.7	4.5	-2.8	5.0	3.0	2.0	5.3	5.0	5.0	12	5.0	.
MEAN	79.4	67.3	12.1	57.1	54.9	2.2	86.3	86.6	2.5	3.3	-0.8	7	15	-7	1.3	2.4	-1.1	6.3	5.5	0.8	5.9	5.5	3.6	11	6.0	.
CV%	6	5	-	1	2	-	2	2	30	17	-	50	60	-	35	39	-	13	19	-	-	10	46	90	21	.
LSD(0.10)	6.4	4.9	-	1.0	1.2	-	5.0	5.5	1.4	1.6	-	6.1	14.8	-	0.7	1.6	-	-	-	-	-	-	2.8	18.1	1.8	.

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

^a**Grain Yield** is bushels per acre at 13% moisture.

^b**Test Weight** is pounds per bushel.

^c**Head Day** is day of year for 50% heading.

^d**FHB Score** is Fusarium headblight rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.

^e**FDK** is percent Fusarium Damaged Kernels.

^f**DON** data is not completed yet. DON is Deoxynivalenol toxin concentration.

^g**Seed Qual (SDQ)** is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor

^h**Phenotype (PHE)** is overall visual appeal with a higher score indicating a more attractive plot. Average of three ratings in spring.

ⁱ**Misted Nursery** was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.

Data from: Alexandria and Winnsboro for 2020. **Yield, test weight and FDK data are from Winnsboro only.** Alexandria was destroyed by a tornado prior to harvest.



Table 11. Late maturity wheat performance across North Louisiana for two years, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Lod Score (0-9)	Stripe Rust (%)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery * FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDK (0-9)	Misted Nursery DON** (ppm)
PROGENY AG PGX 18-8	74.4	57.0	98	0.0	0	4	4.5	2.3	8	7.0	3.0	31	5.0	21
DG 9002	74.1	55.9	94	0.3	0	2	5.2	2.1	5	7.0	3.0	24	6.0	8
AGRIMAXX 492	73.7	56.8	89	1.7	0	0	6.0	3.7	15	6.5	5.0	26	5.3	5
DYNA-GRO 9811	73.4	57.0	92	0.5	0	0	5.3	1.9	8	6.0	3.5	30	5.3	12
PROGENY AG PGX 18-2	71.2	55.6	89	1.5	0	0	5.4	4.0	13	5.5	2.5	25	5.2	8
AGS 2055	71.0	52.7	90	0.5	3	0	5.3	2.9	20	4.0	6.2	48	3.7	16
DELTA GROW 1000	71.0	56.5	99	0.3	0	0	5.3	0.6	1	7.0	2.2	24	5.7	19
SY RICHIE	70.6	54.0	86	0.4	0	0	5.8	4.4	15	6.0	4.2	19	4.8	6
PIONEER 26R59	70.3	55.3	96	0.3	0	8	5.0	1.8	8	6.0	3.2	28	5.3	13
AR06146E-1-4	70.1	56.4	84	0.5	0	0	6.3	2.9	1	7.0	4.2	9	5.8	3
USG 3118	70.0	55.5	88	0.2	0	0	5.1	3.0	13	6.0	4.2	24	5.0	6
PROGENY AG #TURBO	69.4	56.7	91	0.5	0	0	5.1	1.8	3	6.5	3.5	15	4.8	9
DYNA-GRO 9701	68.9	57.1	99	0.1	0	0	5.8	0.7	1	7.0	2.3	22	6.0	22
PROGENY AG PGX 18-7	68.9	58.3	93	0.2	15	1	5.6	1.3	5	6.0	2.3	24	5.2	22
SY 547	68.4	55.9	92	1.5	5	0	4.5	0.8	13	6.0	3.2	26	5.5	12
DYNA-GRO PLANTATION	67.7	53.7	79	2.5	19	0	5.3	6.0	30	4.0	7.5	39	4.3	3
LIBERTY 5658	67.6	56.3	86	0.4	0	4	5.4	2.4	5	6.0	2.5	8	6.2	4
PROGENY AG #FURY	67.2	52.0	87	0.4	10	0	4.9	4.4	48	3.5	6.2	55	3.3	14
PIONEER 26R45	67.1	56.1	99	0.5	0	4	5.1	0.4	3	7.5	2.3	21	5.0	11
AGRIMAXX 481	66.5	53.7	81	1.7	18	0	4.6	5.5	30	4.5	6.3	22	5.0	5
DYNA-GRO RUTLEDGE	66.0	49.1	80	0.3	1	0	5.4	5.9	43	2.5	8.2	56	2.5	9
SY VIPER	65.8	56.7	91	1.0	0	9	5.4	1.8	8	5.5	3.2	19	5.3	10
PROGENY AG #BULLET	65.6	57.1	99	0.3	1	0	5.0	0.6	1	7.5	2.8	20	5.8	17
LA12080LDH-72	64.3	53.3	83	1.2	0	3	6.3	4.9	10	5.0	4.8	9	5.3	2
USG 3640	63.6	52.6	83	0.4	15	0	5.3	4.9	33	3.5	5.5	19	5.7	4
AGS 3040	63.4	54.9	83	1.1	21	0	5.4	3.2	5	5.0	5.0	17	5.8	3
GO WHEAT LA754	63.2	52.1	79	2.7	25	2	5.1	5.8	50	3.0	6.0	30	4.8	3
DYNA-GRO BLANTON	63.2	50.1	81	1.3	4	0	4.6	5.9	45	3.5	7.2	57	2.7	4
AGS 2038	62.8	52.7	90	1.0	0	0	5.0	2.7	38	4.0	5.3	50	3.3	25
AGRIMAXX 473	62.0	56.1	98	0.0	0	0	5.3	0.7	1	6.5	2.6	22	6.1	24
GA09436-16LE12	61.7	56.7	86	0.5	1	0	5.0	4.2	13	4.0	4.2	16	4.8	4
Mean	67.9	55.0	89.0	0.8	4	1	5.3	3.0	16	5.5	4.2	27	5.0	10

Table 11. Late maturity wheat performance across North Louisiana for two years, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Lod Score (0-9)	Stripe Rust (%)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	Seed Qual (0-9)	Misted Nursery * FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery SDK (0-9)	Misted Nursery DON** (ppm)
CV%	12	2	3	129	141	196	14	20	66	19	28	42	22	26
LSD(0.10)	NS	-	3	0.9	-	-	1.1	1.2	-	-	2.0	21.5	1.5	-
Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.														
Lod Score is lodging score on a scale of 0 = none to 9 = 100% lodged.														
Stripe rust is percent tissue of upper three leaves affected by stripe rust.														
Leaf Rust is percent tissue of upper three leaves affected by leaf rust.														
Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density, leaf color and														
FHB score is 0-9 Fusarium symptoms on head from yield plots (non-inoculated) and from a misted and inoculated nursery.														
FDK is percent Fusarium Damaged Kernels from yield plots and from a misted and inoculated nursery.														
Seed Qual (SDK) is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.														
* Misted Nursery was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.														
** DON data is from 2019 - 2020 data not completed yet. DON is Deoxynivalenol toxin concentration from the misted and inoculated nursery.														
NS indicates that variety mean difference were not statistically significant.														
Data from Alexandria and Winnsboro in 2019 and 2020. Yield, test weight and FDK data is from Winnsboro only in 2020. Alexandria was destroyed by a tornado prior to 2020 harvest.														

Table 12. Normal maturity wheat performance across north Louisiana for three years, 2018, 2019 and 2020. No fungicide.

Brand / variety	Grain Yield (bu/a)	Test Weight (lbs/bu)	Head Day (of year)	Lod Score (0-9)	Stripe Rust (%)	Leaf Rust (%)	Pheno-type (0-9)	FHB Score (0-9)	FDK (%)	DON*	Seed Qual (0-9)	Misted Nursery ** FHB (0-9)	Misted Nursery FDK (%)	Misted Nursery DON** (ppm)	Misted Nursery SDK (0-9)
AGS 2055	83.5	57.9	90	0.4	3	0	5.3	2.9	20	0	4.0	5.4	47	18	3.7
USG 3640	81.0	59.6	84	0.4	15	0	5.3	4.9	33	0	3.5	5.2	23	7	5.7
AGRIMAXX 492	80.5	60.0	88	1.2	0	0	6.0	3.7	15	0	6.5	4.4	23	7	5.3
PIONEER 26R59	80.2	55.6	94	0.3	0	8	5.0	1.8	8	0	6.0	2.9	25	9	5.3
SY VIPER	79.4	57.8	90	0.9	0	9	5.4	1.8	8	0	5.5	3.1	17	7	5.3
PROGENY AG #FURY	77.9	58.3	87	0.3	10	0	4.9	4.4	48	0	3.5	5.3	48	12	3.3
USG 3118	77.5	57.8	87	0.3	0	0	5.1	3.0	13	0	6.0	3.8	23	6	5.0
DYNA-GRO 9701	77.4	58.2	97	0.2	0	0	5.8	0.7	1	0	7.0	1.9	18	13	6.0
DYNA-GRO 9811	77.3	59.2	92	0.4	0	0	5.3	1.9	8	0	6.0	3.2	26	10	5.3
PIONEER 26R45	76.2	56.2	96	0.4	0	4	5.1	0.4	3	0	7.5	1.9	17	7	5.0
AGS 3040	76.0	56.9	84	0.8	21	0	5.4	3.2	5	0	5.0	4.4	15	3	5.8
AR06146E-1-4	75.5	60.2	84	0.4	0	0	6.3	2.9	1	0	7.0	3.6	8	3	5.8
DELTA GROW 1000	74.6	57.8	97	0.3	0	0	5.3	0.6	1	0	7.0	1.9	19	12	5.7
PROGENY AG #TURBO	74.0	57.8	90	0.5	0	0	5.1	1.8	3	0	6.5	3.6	24	19	4.8
AGS 2038	73.9	58.5	90	0.7	0	0	5.0	2.7	38	0	4.0	5.1	47	21	3.3
PROGENY AG #BULLET	73.5	57.3	97	0.3	1	0	5.0	0.6	1	0	7.5	2.8	17	10	5.8
GO WHEAT LA754	73.0	58.2	80	1.8	25	2	5.1	5.8	50	0	3.0	5.4	30	7	4.8
AGRIMAXX 473	71.8	57.6	96	0.1	0	0	5.3	0.7	1	1	6.5	2.3	18	14	6.1
Mean	76.9	58.0	90.2	0.6	4	1	5.3	2.4	14	0	5.7	3.7	25	10	5.1
CV	12	2	3	150	134	194	13	24	63	63	21	31	39	28	20
LSD	NS	1.6	2.8	0.5	-	-	0.6	1.1	-	-	-	1.5	15.9	NS	1.4

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

Lod Score is lodging score on a scale of 0 = none to 9 = 100% lodged.

Stripe rust is relative score with 0 = none and 9 = severe infection and dieback.

Leaf Rust is percent tissue of upper three leaves affected by leaf rust.

Phenotype is overall visual appeal on a 0 = very ugly to 9 = very attractive plot. It takes into account tillering, head appearance, canopy density, leaf color and health, etc.

FHB score is 0-9 Fusarium symptoms on head from yield plots (non-inoculated) and from a misted and inoculated nursery.

* **DON data is from 2018, 2019.** 2020 data not completed yet. DON is Deoxynivalenol toxin concentration.

FDK is percent Fusarium Damaged Kernels from yield plots and from a misted and inoculated nursery.

Seed Qual (SDQ) is seed quality, a relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.

** **Misted Nursery** was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure.

NS indicates that variety mean difference were not statistically significant. This normally occurs because there was a large variety x experiment interaction or change in ranking

Data from 2018, 2019, & 2020 Winnsboro; 2018, 2019 Alexandria; and 2018 St. Joseph and Bossier City.

Table 13. Fusarium Headblight Misted Nursery at Winnsboro for Normal Wheat Variety Trials.

Brand / Variety	FHB Reaction ^a	FHB ^b 2020	FHB 2019	FHB 2018	FHB 2-yr	FHB 3-yr	FDK ^c 2020	FDK 2019	FDK 2018	FDK 2-yr	FDK 3-yr	DON ^d 2020	DON 2019	DON 2018	DON 2-yr	DON 3-yr
AR06146E-1-4	R	4.3	4.0	2.0	5.5	3.6	6	15	5	10	8	.	3	3	3	3
LA12080LDH-72	R	5.0	4.5	-	4.3	-	10	8	-	9	-	.	2	-	2	-
LIBERTY 5658	R	1.8	4.0	-	3.3	-	4	15	-	11	-	.	4	-	4	-
AGS 3040	MR	4.0	7.0	2.5	6.5	4.4	3	45	10	25	15	.	3	3	3	3
DELTA GROW 1000	MR	1.0	4.5	1.3	3.3	1.9	1	70	5	36	19	.	19	4	19	12
DYNA-GRO 9701	MR	1.0	5.0	0.5	3.3	1.9	1	65	5	33	18	.	22	4	22	13
PIONEER 26R45	MR	1.0	5.0	0.5	3.5	1.9	2	60	5	31	17	.	11	3	11	7
PROGENY AG #BULLET	MR	1.8	5.0	2.8	3.3	2.8	5	50	8	26	17	.	17	3	17	10
SY VIPER	MR	2.0	5.5	2.8	4.3	3.1	2	53	13	27	17	.	10	4	10	7
AGRIMAXX 473	MR/MS	1.4	5.5	1.3	3.5	2.3	2	73	5	37	18	.	24	4	24	14
AGRIMAXX 481	MR/MS	5.5	8.0	-	7.8	-	14	38	-	26	-	.	5	-	5	-
AGRIMAXX 492	MR/MS	4.8	5.5	2.5	6.0	4.4	18	43	15	33	23	.	5	9	5	7
GA 19436-16LE12	MR/MS	2.5	7.5	-	5.0	-	7	35	-	18	-	.	4	-	4	-
PROGENY AG #TURBO	MR/MS	2.3	6.0	3.8	5.0	3.6	2	40	53	21	24	.	9	29	9	19
SY RICHIE	MR/MS	2.8	7.0	-	5.3	-	9	40	-	25	-	.	6	-	6	-
USG 3118	MR/MS	3.0	6.5	2.5	6.3	3.8	7	58	20	34	23	.	6	5	6	6
USG 3640	MR/MS	4.3	8.0	4.3	6.0	5.2	5	48	33	25	23	.	4	11	4	7
DYNA-GRO DG9002	MS	1.5	5.0	-	4.5	-	1	68	-	36	-	.	12	-	8	-
DYNA-GRO 9811	MS	2.5	5.5	2.3	4.8	3.2	5	80	15	44	26	.	12	7	12	10
DYNA-GRO PLANTATION	MS	7.3	8.0	-	7.8	-	34	50	-	36	-	.	3	-	3	-
GO WHEAT LA754	MS	6.5	5.0	3.8	5.3	5.4	18	55	30	31	30	.	3	10	3	7
PIONEER 26R59	MS	1.5	6.5	2.0	4.8	2.9	3	78	18	40	25	.	13	6	13	9
PROGENY AG PGX 18-2	MS	1.5	4.5	-	3.8	-	6	65	-	35	-	.	8	-	8	-
PROGENY AG PGX 18-7	MS	1.0	5.0	-	3.5	-	4	65	-	35	-	.	22	-	22	-
SY 547	MS	2.5	4.5	-	3.5	-	3	73	-	37	-	.	12	-	12	-
AGS 2038	S	4.0	8.0	4.5	7.3	5.1	28	95	38	70	47	.	25	17	25	21
AGS 2055	S	4.8	9.0	3.3	7.8	5.4	24	95	45	66	47	.	16	20	16	18
DYNA-GRO BLANTON	S	6.3	9.0	-	6.8	-	53	65	-	48	-	.	4	-	4	-
DYNA-GRO RUTLEDGE	S	8.0	8.5	-	8.3	-	44	80	-	64	-	.	9	-	9	-
PROGENY AG #FURY	S	5.0	8.5	2.8	8.0	5.3	35	95	28	80	48	.	14	10	14	12
PROGENY AG PGX 18-8	S	1.8	5.5	-	4.3	-	5	83	-	43	-	.	21	-	21	-
AR09137UC-17-2	-	2.8	-	-	-	-	5	-	-	-	-	.	-	-	-	-
DYNA-GRO RIVERLAND	-	3.8	-	-	-	-	11	-	-	-	-	.	-	-	-	-
GA101004-17LE17	-	7.3	-	-	-	-	25	-	-	-	-	.	-	-	-	-
GA101298-17LE11	-	5.0	-	-	-	-	12	-	-	-	-	.	-	-	-	-
GA10268-17LE16	-	5.0	-	-	-	-	21	-	-	-	-	.	-	-	-	-
GA10407-17E8	-	7.5	-	-	-	-	26	-	-	-	-	.	-	-	-	-

Table 13. Fusarium Headblight Misted Nursery at Winnsboro for Normal Wheat Variety Trials.

Brand / Variety	FHB Reaction ^a	FHB ^b 2020	FHB 2019	FHB 2018	FHB 2-yr	FHB 3-yr	FDK ^c 2020	FDK 2019	FDK 2018	FDK 2-yr	FDK 3-yr	DON ^d 2020	DON 2019	DON 2018	DON 2-yr	DON 3-yr
GA11656-17E11	-	4.3	-	-	-	-	17	-	-	-	-	.	-	-	-	-
GO WHEAT 6000	-	6.0	-	-	-	-	14	-	-	-	-	.	-	-	-	-
LA12275DH-56	-	4.5	-	-	-	-	9	-	-	-	-	.	-	-	-	-
LA13154D-WN1	-	4.8	-	-	-	-	10	-	-	-	-	.	-	-	-	-
LA14086LDH-172	-	3.0	-	-	-	-	12	-	-	-	-	.	-	-	-	-
LA15166LDH-272	-	3.8	-	-	-	-	4	-	-	-	-	.	-	-	-	-
LA15203-LDH093	-	3.0	-	-	-	-	3	-	-	-	-	.	-	-	-	-
LA15203-LDH112	-	1.3	-	-	-	-	2	-	-	-	-	.	-	-	-	-
LA15203-LDH200	-	3.3	-	-	-	-	7	-	-	-	-	.	-	-	-	-
LANC11558-33	-	6.0	-	-	-	-	4	-	-	-	-	.	-	-	-	-
LCS L11919	-	4.8	-	-	-	-	3	-	-	-	-	.	-	-	-	-
PROGENY PGX18-11	-	1.5	-	-	-	-	4	-	-	-	-	.	-	-	-	-
PROGENY PGX18-9	-	1.3	-	-	-	-	3	-	-	-	-	.	-	-	-	-
PROGENY PGX19-12	-	1.0	-	-	-	-	3	-	-	-	-	.	-	-	-	-
PROGENY PGX19-15	-	2.5	-	-	-	-	4	-	-	-	-	.	-	-	-	-
PROGENY PGX19-17	-	5.3	-	-	-	-	2	-	-	-	-	.	-	-	-	-
USG 3539	-	3.0	-	-	-	-	18	-	-	-	-	.	-	-	-	-
VA16W-202	-	5.7	-	-	-	-	12	-	-	-	-	.	-	-	-	-
MEAN	-	3.6	6.2	2.5	5.2	3.7	11	60	21	35	25	.	10	9	10	10
CV%	-	46	14	31	18	31	90	28	32	36	39	.	27	35	26	28
LSD(0.10)	-	2.8	1.5	1.3	2.1	1.5	18.1	28.2	11.3	25.8	15.9	.	4.8	4.6	-	4.8
Bold 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.																
^a FHB Reaction type is observed reaction based on FDK and DON for two or more years. Reaction Types are: Resistant (R), Moderately Resistant (MR), Moderately Susceptible (MS), and Susceptible (S).																
^b FHB rating is a 0-9 score of Fusarium headblight symptoms, where a 0 indicates no symptoms and a 9 indicates complete head coverage																
^c FDK is percent Fusarium Damaged Kernels.																
^d DON is parts per million of Deoxynivalenol toxin. DON data from 2020 is not complete so only includes 2019 data in the 2 year mean; while only 2018 and 2019 data in the 3 year mean.																
Data from misted nursery that was inoculated with scabby corn and mist irrigated to create heavy Fusarium Headblight pressure at Winnsboro in 2018, 2019 and 2020.																



Table 14. Oat variety trial at Baton Rouge, LA for 2020.

Brand / variety	Grain Yield (bu/A)	Growth Habit (0-9)	Head Day (of yr)	Leafiness Score (0-9)	Crown Rust (%)	Stem Rust (0-9)	Phenotype (0-9)
TX15OCS6142	56.9	4.0	80.5	4.9	0	0.3	5.4
TX14OCS5212	48.2	6.5	86.0	5.9	0	0.0	5.8
TX15OCS6163	43.9	6.5	88.0	5.0	0	0.3	5.1
TX15OCS6039	42.0	6.5	78.0	4.1	0	2.8	5.0
LA10044SSBS-1	39.6	5.0	79.0	4.8	0	0.3	5.1
FLLA09030SBS-U3	37.5	4.0	79.5	5.9	0	2.0	5.6
FLLA11019S-8	37.2	4.0	87.0	5.1	0	1.3	5.5
FL12034-10	36.4	6.0	84.0	5.8	0	1.3	6.3
TAMO 412	33.9	6.5	92.5	4.6	0	0.0	4.6
LA15124SB-S22	32.6	5.5	90.5	6.1	0	0.5	5.9
HORIZON 270	29.9	4.5	86.0	3.5	0	2.0	4.3
TX14OCS5098	28.0	6.5	92.0	3.6	0	1.0	4.3
LA99016	27.8	6.0	89.5	6.3	2	2.0	6.3
FLLA09044SBS-U1	25.8	4.5	78.5	5.3	0	0.8	5.1
FL13084-11	23.5	6.5	89.5	4.8	1	2.5	5.0
FL11017-7	22.6	5.0	84.5	5.9	0	0.8	6.5
FL0720-R6 (SWEET CAROLIN	22.2	4.0	89.5	5.6	0	1.3	5.6
LA12068SBSB-58-1	22.1	3.5	92.5	4.9	0	0.0	4.0
FL13018-1	20.4	5.5	82.0	5.3	0	1.0	5.5
HORIZON 306	19.2	5.0	89.5	4.6	2	1.0	5.1
LA13003SBSBS42-1	19.0	6.0	88.5	5.5	0	0.5	5.1
FLLA09015SBS-U1	18.2	4.5	88.5	4.9	0	0.0	4.9
LA14032SSB-S3-1	17.4	2.0	80.5	5.5	0	2.0	5.8
LA13003SBSBS33-1	15.7	7.0	92.5	5.3	0	0.8	5.0
BUCK	14.2	7.5	92.0	5.4	0	0.8	5.4
LA15111SB-S4	10.8	3.0	91.5	5.4	0	1.3	5.0
LA10001SSBS-20-1	10.0	8.0	94.0	6.9	0	2.3	6.3
BROOKS	0.8	4.5	89.5	4.9	77	2.7	4.1
MEAN	26.8	5.3	87.0	5.2	4	1.1	5.3
CV(%)	28	10	1	13	157	85	14
LSD(0.10)	10.5	0.9	1.6	0.8	6.5	1.2	0.9
Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.							
Growth Habit where 0 = very early springlike; 9 = very late winter/prostrate.							
Leafiness where 0 = poor leafiness/forage; 9 = excellent forage potential/very leafy.							
Crown Rust is percent tissue of upper three leaves affected by rust.							
Stem Rust is relative severity with a 0 indicating no disease.							
Phenotype is general appearance rating (vigor, color, tillering, etc). Average of overall rating in winter and spring. 0 = poor, 9 = excellent.							



Table 15. Oat Variety Trial Data From Winnsboro, LA. 2020.

Brand / variety	Growth Habit (0-9)	Head Day (of yr)	Leafiness Score (0-9)	Crown Rust (%)	Stem Rust (0-9)	Phenotype (0-9)
BROOKS CK	4.3	91.7	5.0	87	2.7	4.3
BUCK FILL	7.0	95.3	6.3	0	1.2	6.0
FL0720-R6 (SWEET CAROLINE)	3.5	87.0	5.3	0	1.8	5.0
FL11017-7	4.8	86.7	5.8	0	1.3	6.3
FL12034-10	4.0	84.7	5.3	0	2.2	5.8
FL13018-1	5.0	86.7	4.5	0	1.7	4.8
FL13084-11	7.0	94.0	5.5	0	3.5	5.5
FLLA09015SBS-U1	5.5	91.0	5.0	0	0.0	5.0
FLLA09030SBS-U3	3.8	80.0	5.8	0	3.0	5.5
FLLA09044SBS-U1	4.8	85.0	5.0	1	1.2	5.5
FLLA11019S-8	3.5	87.7	5.0	0	2.0	4.8
HORIZON 270	5.0	90.3	3.8	0	2.0	4.3
HORIZON 306	4.8	91.3	5.3	2	1.7	5.5
LA10001SSBS-20-1	5.8	86.7	6.8	0	3.3	6.5
LA10044SSBS-1	4.3	81.0	4.5	0	0.3	4.5
LA12068SBSB-58-1	4.8	89.7	4.3	0	0.0	4.3
LA13003SBSBS33-1	6.0	91.3	5.8	0	1.3	6.0
LA13003SBSBS42-1	5.3	91.7	5.3	0	1.0	5.3
LA14032SSB-S3-1	3.5	87.0	5.0	0	1.0	5.5
LA15111SB-S4	4.3	91.0	5.0	0	2.0	4.5
LA15124SB-S22	5.5	93.7	6.3	0	1.0	5.8
LA99016 CK	5.0	87.0	6.5	2	3.2	6.8
TAMO 412	5.5	97.3	4.5	0	0.3	4.5
TX14OCS5098	6.0	92.3	3.5	0	1.5	3.8
TX14OCS5212	4.5	86.0	5.5	0	0.0	5.3
TX15OCS6039	3.8	80.0	3.8	0	3.8	5.0
TX15OCS6142	3.8	82.0	5.0	0	0.7	5.3
TX15OCS6163	5.0	91.0	4.8	0	0.2	4.8



Table 15. Oat Variety Trial Data From Winnsboro, LA. 2020.

Brand / variety	Growth Habit (0-9)	Head Day (of yr)	Leafiness Score (0-9)	Crown Rust (%)	Stem Rust (0-9)	Phenotype (0-9)
MEAN	4.9	88.6	5.1	3	1.6	5.2
CV%	9	2	13	41	53	11
LSD(0.10)	0.8	2.0	1.1	1.9	1.2	1.9
Bold 'Brand/variety' indicates the entry is commercially available, others are non-released breeding lines.						
Growth Habit where 0 = very early springlike; 9 = very late winter/prostrate.						
Leafiness where 0 = poor leafiness/forage; 9 = excellent forage potential/very leafy.						
Crown Rust is percent tissue of upper three leaves affected by rust.						
Stem Rust is relative severity with a 0 indicating no disease.						
Phenotype is general appearance rating (vigor, color, tillering, etc). Average of overall rating in winter and spring. 0 = poor, 9 = excellent.						
Data from: Macon Ridge Research Station, Winnsboro, LA.						
Cultural and Site Information: Planted 11-7-19. 65# N applied Feb 8.						
No Yield Data due to severe lodging resulting primarily from severe stem rust that destroyed stems just prior to maturity.						

Appendix A. Entries in the 2020 Louisiana Agricultural Experiment Station Small Grain Performance Trials.

Wheat Brand / Variety

AgriMAXX

AgriMAXX 473, 481, 492
AgriMAXX Wheat Company
7167 Highbanks Road
Mascoutah, IL 62258

AGSouth Genetics

AGS 3000
AGSouth Genetics
P.O. Box 398
Albany, GA 31708

University of Arkansas

All numbered AR lines
Arkansas Agric. Experiment Stn.
2301 South University Avenue
Little Rock, AR 72204

Delta Grow

Delta Grow 1000, 3500
Delta Grow Seed
220 N W 2nd
England, AR 72046

Dyna-Gro

DG 9002, 9701, 9811, Plantation, Riverland
Dyna-Gro Seed
11 Gin Road
Rayville, LA 71269

University of Georgia

All numbered GA/UGA lines
Georgia Agric. Experiment Stn.
Crop & Soil Science - UGA
1109 Experiment St.
Griffin, GA 30223

LSU AgCenter

All numbered LA lines
Louisiana Agric. Experiment Stn.
SPESS - LSU
Baton Rouge, LA 70803

LCS

L11713, L11919
Limagrain Cereal Seeds
7099 Parkbrook Lane
Cordova, TN 38018

North Carolina State University

All numbered lines
North Carolina Agric. Expt. Stn.
Crop Science Department
North Carolina State University
Raleigh, NC 27695

Pioneer

26R45, 26R59, 26R94
Dupont Pioneer
912 River Rd.
Marksville, LA 71351

Progeny

Bullet, Fury, Turbo, PGX18-2,
18-7, 18-8, 18-9, 18-11, 19-12,
19-15, 19-17
Progeny Ag Products
1529 Hwy. 193 South
Wynne, AR 72396

Stratton

AGS 2024, 2038, 2055, 3040,
GO Wheat LA754, 6000
Stratton Seed Co.
1530 Hwy 79 South
Stuttgart, AR 72160

Syngenta

SY Viper, Richie, 547
Syngenta
14031 Trestle Road
Highland, IL 62249

Texas A&M University

All numbered TX lines
Texas AgriLife Research
TAMU – Commerce
Dept. of Ag Science
Commerce, TX 75429

USG

USG 3118, 3539, 3640
UniSouth Genetics, Inc.
3205-C HWY 46 S
Dickson, TN 37055

Virginia Tech University

Liberty 5658, VA16W-202
Virginia PI & State University
EVAREC
2229 Menokin Road
Warsaw, VA 22572

Oat Brand / Variety

AGSouth Genetics
Horizon 306
AGSouth Genetics
P.O. Box 398
Albany, GA 31708

Angelina

Sweet Caroline
Angelina Grain Company
16371 Hwy 15 South
Vidalia, LA 71373

University of Florida

All Numbered FL lines
North Florida Res. & Education Center
155 Research Road
Quincy, FL 32351

LSU AgCenter

All numbered LA lines
Louisiana Agric. Experiment Stn.
SPESS - LSU
Baton Rouge, LA 70803

North Carolina State University

All numbered lines
North Carolina Agric. Expt. Stn.
Crop Science Department
North Carolina State University
Raleigh, NC 27695

Stratton

Horizon 270
Stratton Seed Co.
1530 Hwy 79 South
Stuttgart, AR 72160

Texas A&M University

All numbered TAMO lines
Texas AgriLife Research
TAMU – Commerce
Dept. of Ag Science
Commerce, TX 75429