Table 8. Early maturity wheat performance trial at Winnsboro for 2019.

Brand / variety	Grain Yield 2019	Grain Yield 2-yr	Test Wt	Head Day	Lod Score	Stripe Rust	Leaf Rust	Pheno type	FHB Score	Seed Qual	FHB FDKP	Misted Nursery FHB	Misted Nursery FDK	Misted Nursery SDQ	Misted Nursery DON
	bu/a		lbs/bu	of yr	0-9	0-9	%	0-9	0-9	0-9	%	0-9	%	0-9	ppm
AGS 2024	**69.5**	**86.5**	**55.9**	**104**	**0.0**	**0.0**	**0**	**6.0**	**2.4**	**4.0**	**45**	**7.5**	**68**	**2.5**	**6**
AGS 2055 *	**75.3**	**86.1**	**55.0**	**107**	**0.3**	**0.0**	**0**	**5.8**	**1.5**	**4.5**	**10**	**8.0**	**93**	**1.0**	**22**
DELTA GROW 3500	**67.0**	**84.6**	**55.0**	**94**	**2.5**	**0.0**	**0**	**6.0**	**5.9**	**3.0**	**60**	**6.0**	**50**	**4.0**	**3**
AGS 2038 *	**69.2**	**82.3**	**54.3**	**107**	**0.0**	**0.0**	**0**	**6.3**	**2.1**	**4.5**	**20**	**8.5**	**85**	**1.0**	**18**
GO WHEAT LA754	**63.3**	**75.7**	**52.3**	**95**	**3.0**	**0.0**	**4**	**6.0**	**4.8**	**3.0**	**70**	**5.5**	**48**	**3.5**	**4**
AGS 2040	**65.0**	**73.8**	**56.1**	**93**	**0.8**	**0.0**	**1**	**6.0**	**4.1**	**5.0**	**10**	**7.5**	**10**	**5.0**	**1**
AGS 3030	**57.1**	**72.1**	**51.4**	**95**	**0.0**	**0.0**	**0**	**5.0**	**4.8**	**3.0**	**70**	**5.5**	**53**	**3.0**	**2**
PIONEER 26R94	**57.3**	**69.4**	**56.9**	**103**	**1.0**	**0.0**	**0**	**5.5**	**4.4**	**6.0**	**5**	**8.5**	**58**	**3.5**	**3**
AGS 3000	**58.9**	**66.8**	**55.3**	**93**	**2.0**	**0.0**	**43**	**6.0**	**3.6**	**5.0**	**18**	**4.5**	**40**	**4.0**	**2**
TX15D9597	71.2		54.5	95	1.3	0.0	4	6.3	4.5	4.5	18	6.5	55	3.0	3
FLLA10033C-6	70.7		55.4	98	0.3	0.5	0	6.3	3.0	5.0	20	5.5	60	3.0	9
GA 09129-16E55	64.3		56.7	94	0.3	0.0	0	5.5	3.4	5.5	8	5.0	20	5.5	2
TX15D9608	63.2		55.3	95	0.0	0.0	1	4.8	4.6	5.0	18	6.5	13	5.0	1
LA10191C-1	62.0		51.9	95	1.8	0.0	0	5.5	3.5	3.5	45	5.5	40	3.5	2
TX15D9579	57.6		53.9	95	1.0	0.0	0	5.0	4.9	4.5	20	8.0	83	1.5	11
Mean	**64.8**		**54.6**	**97**	**0.9**	**0.3**	**4**	**5.7**	**3.8**	**4.4**	**29**	**6.6**	**52**	**3.3**	**6**
CV%	**9**		**1**	**2**	**116**	**547**	**72**	**13**	**17**	**10**	**17**	**16**	**26**	**30**	**37**
LSD(0.10)	**7.2**		**1.0**	**3**	**1.3**	**NS**	**3.1**	**NS**	**0.8**	**0.8**	**9.1**	**1.9**	**23.6**	**1.7**	**4**

*** AGS 2038 and AGS 2055** are medium-late checks added to the early trial for cross comparison.

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

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 (**FHBP**) and from a misted and inoculated nursery (FHB).

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

FDK is percent Fusarium Damaged Kernels from yield plots (**FDKP**) and from a misted and inoculated nursery (**FDK**).

DON is Deoxynivalenol toxin concentration from a misted and inoculated nursery.

NS indicates that variety mean difference were not statistically significant.

Pearson Correlation Coefficients, N = 15
Prob > |r| under H0: Rho=0

	TWT	HD	LOD	LFR	STRIPE	PHE	FHB	SQLP	FDKP	FHBN	RMN	FDKN	SDQN
BUPA	0.24	0.47	-0.23	-0.27	0.29	0.61	-0.57	-0.02	-0.17	0.20	0.06	0.32	-0.32
	0.39	0.08	0.41	0.33	0.30	0.02	0.03	0.94	0.54	0.47	0.84	0.25	0.24
TWT		0.21	-0.30	0.06	0.12	0.21	-0.22	0.79	-0.73	0.29	-0.07	-0.17	0.29
		0.46	0.28	0.82	0.67	0.46	0.43	0.00	0.00	0.29	0.81	0.54	0.30
HD			-0.45	-0.29	0.00	0.22	-0.72	0.17	-0.23	0.70	0.70	0.71	-0.70
			0.09	0.30	0.99	0.43	0.00	0.54	0.41	0.00	0.00	0.00	0.00
LOD				0.36	-0.19	0.26	0.53	-0.42	0.42	-0.38	-0.41	-0.13	0.20
				0.19	0.49	0.34	0.04	0.12	0.12	0.17	0.13	0.65	0.48
LFRUST					-0.09	0.19	0.00	0.15	-0.11	-0.45	-0.18	-0.15	0.16
					0.75	0.50	0.99	0.59	0.69	0.09	0.52	0.59	0.56
STRIPE						0.30	-0.19	0.18	-0.11	-0.22	-0.12	0.09	-0.05
						0.28	0.49	0.52	0.70	0.43	0.66	0.74	0.85
PHE							-0.34	-0.03	-0.04	-0.01	-0.04	0.21	-0.17
							0.22	0.92	0.90	0.97	0.88	0.45	0.54
FHB								-0.28	0.38	-0.27	-0.42	-0.42	0.47
								0.31	0.16	0.33	0.12	0.12	0.08
SQLP									-0.93	0.28	-0.01	-0.17	0.20
									<.0001	0.31	0.98	0.55	0.47
FDKP										-0.38	-0.03	0.04	-0.04
										0.17	0.91	0.88	0.89
FHBN											0.49	0.51	-0.56
											0.06	0.05	0.03
RMN												0.77	-0.73
												0.00	0.00
FDKN													-0.96
													<.0001
SDQN													