

Georgia

2018-2019 Small Grain Performance Tests

Daniel J. Mailhot, Dustin Dunn, and Henry Jordan, Jr.
Editors



Wheat



Oat



Rye



Triticale



Barley



Ryegrass



Canola

Conversion Table

U.S. Abbr.	Unit	Approximate Metric Equivalent
Length		
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft or '	foot	30.48 centimeters
in or "	inch	2.54 centimeters
Area		
sq mi or mi ²	square mile	2.59 square kilometers
acre	acre	0.405 hectares or 4047 square meters
sq ft or ft ²	square foot	0.093 square meters
Volume/Capacity		
gal	gallon	3.785 liters
qt	quart	0.946 liters
pt	pint	0.473 liters
fl oz	fluid ounce	29.573 milliliters or 28.416 cubic centimeters
bu	bushel	35.238 liters
cu ft or ft ³	cubic foot	0.028 cubic meters
Mass/Weight		
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

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Sam Pardue
Dean and Director

Allen J. Moore
Associate Dean for Research

Joe W. West
*Assistant Dean
Southern Region*

Robert N. Stougaard
Assistant Dean of Research



Lew K. Hunnicutt
*Assistant Provost and
Griffin Campus Director*

PREFACE

This research report presents results of the 2018-2019 performance tests of small grains grown for grain and forage. Grain evaluation studies were conducted at five locations in Georgia, including Tifton, Plains, and Midville in the Coastal Plain region; Athens in the Piedmont region; and Calhoun in the Limestone Valley region. An additional study was conducted at Citra, Florida. Winter annual forage tests were conducted at all Georgia grain sites except Midville, and also at Headland, Alabama. Forage tests in Marianna, Florida and Clanton, Alabama failed due to weather problems. For identification of the test locations, consult the map inside the back cover of this report.

Grain yields are reported as bushels per acre at standard moistures and bushel weights, and are listed below each crop summary table. Note that these vary for each crop. Additional agronomic data, such as plant height, lodging, and disease incidence, are listed along with the corresponding yield data. Footnotes include information concerning fertilization and cultural practices used in the tests. Since the average yield from several years indicates a variety's potential better than a single year's data, multiple year yield summaries are included.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the tests, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose and agreed upon by College of Agricultural and Environmental Sciences scientists are presented on pages 4 and 5 and also in the 2018 Fall Planting Schedule for Georgia (available at your county Extension office). For additional information, contact your local county Extension office, the nearest UGA campus, or the nearest UGA Research and Education Center.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing varieties and tests. If the yields' difference of any two varieties exceeds the LSD value, they can be considered different in yield ability. **Bolding** is used in the performance tables to indicate entries with yields statistically equal to the highest yielding entry in the test. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each variety experiment. The lower the value for the standard error of the entry mean, the more precise the experiment.

This report is one of four publications presenting the performance of agronomic crops in Georgia. For information concerning other crops, refer to one of the following research reports: 2018 Corn Performance Tests (Annual Publication 101-10); 2018 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication 103-10); and 2018 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication 104-10).

This report, along with performance test information on other crops, is also available online at www.swvt.uga.edu. Additional information may be obtained by writing to Dr. Daniel J. Mailhot, Department of Crop and Soil Sciences, Griffin campus, 1109 Experiment Street, Griffin, GA 30223-1797

Cooperators

M. A. Babar, Agronomy Department, University of Florida, Gainesville, Florida
A. Black, Southeast Research & Education Center, Midville, Georgia
A. R. Blount, North Florida Research & Education Center, Marianna, Florida
J. W. Buck, Plant Pathology Department, UGA-Griffin, Griffin, Georgia
G. D. Buntin, Entomology Department, UGA-Griffin, Griffin, Georgia
J. Gassett, Iron Horse Plant Sciences Farm, Watkinsville, Georgia
G. Granade, Field Research Services, UGA-Griffin, Georgia
K. Hammond, Northwest Research & Education Center, Calhoun, Georgia
J. W. Johnson, Crop & Soil Sciences Department, UGA-Griffin, Griffin, Georgia
P. Knox, Crop & Soil Sciences Department, UGA-Athens, Athens, Georgia
A. Martinez, Plant Pathology Diagnostics Lab, UGA-Griffin, Griffin, Georgia
M. Mergoum, Crop & Soil Sciences Department, UGA-Griffin, Griffin, Georgia
S. Rogers, Southwest Research & Education Center, Plains, Georgia
J. Youmans, Plant Pathology Department, UGA-Griffin, Griffin, Georgia

Contributors

The following individuals contributed to the gathering of data and the preparation of this report:

Griffin - M. Flynn, A. Varner, M. Varner, G. Ware, and B. Weldy

Tifton - R. Brooke, K. Cawley, M. Cofield, and W. Mosteller

Athens - C. Fox, J. Griffin, and K. Roach

Calhoun - J. Stubbs, M. Tucker, and T. Turnquist

Midville - J. Lanier, R. Milton, T. Woodward

Plains - W. Jones and D. Pearce

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2018-2019 SMALL GRAIN PERFORMANCE TESTS

*Edited by Daniel J. Mailhot, Dustin G. Dunn,
and Henry Jordan Jr*

The Season

The fall of 2018 was a challenge for many. South Georgia experienced significant damage from hurricane Michael, and almost all areas of the state were exceptionally wet, leading to planting delays. In the south, winter temperatures were warmer than normal, leading to vernalization problems in wheat. This was especially problematic in rain-delayed plantings. Fusarium head blight was also widespread in wheat. However, major spring freezes were avoided, and forages did relatively well this year.

2018-2019 Rainfall¹

Months	Year	Calhoun ²	Athens ³	Midville	Plains	Tifton	Headland ⁴	Marianna ⁵	Citra ⁶
----- inches -----									
Oct. 1 to Dec. 31	2018	22.4	20.5	15.7	23.9	19.4	18.7	24.5	15.9
Jan. 1 to Mar. 31	2019	22.1	9.5	6.5	11.4	9.9	15.0	9.6	7.9
Apr. 1 to May 31	2019	6.6	4.8	5.6	5.6	4.3	4.1	2.3	4.8
Total (8 months)		51.0	34.8	27.9	40.9	33.7	37.8	36.4	28.6
Normal (8 months)		37.2	31.8	27.9	31.6	28.9	34.5	32.6	21.3

Hours under 45F, Nov. 15 to Apr. 1¹

Harvest Year	Calhoun ²	Athens ³	Midville	Plains	Tifton	Marianna ⁵	Citra ⁶
2013	1605	1431	980	895	679	618	-
2014	1863	1687	1194	1203	962	848	-
2015	1722	1597	1187	1154	921	827	-
2016	1310	1025	791	764	637	563	305
2017	1162	981	722	591	463	400	235
2018	1494	1352	1078	979	844	775	452
2019	1480	1335	958	894	663	572	345

1. Data for Georgia sites collected by Dr. Pam Knox, University of Georgia.
2. Floyd County (Rome) location.
3. Iron Horse Farm. Listed as "Penfield" on www.weather.uga.edu.
4. Alabama: Wiregrass Research and Education Center, Auburn University.
5. Florida: North Florida Research and Education Center, University of Florida.
6. Florida: Plant Science Research and Education Unit, University of Florida.

Daniel J. Mailhot, PhD, is the program director of statewide variety testing and Henry Jordan, Jr. is a research professional III in the Department of Crop and Soil Sciences, Griffin campus, Griffin, Georgia 30223-1797. Dustin G. Dunn is a research professional III in the Department of Crop and Soil Sciences, Tifton campus, Tifton, Georgia 31793-5766

Small Grain Recommendations for 2019

Recommended Grain Varieties for Winter 2019-2020

Barley	*Atlantic (P)	Secretariat (S)	Thoroughbred (S)
Oat	Graham (S) ²	*Horizon 270 (S) ² Horizon 306 (S) ²	Horizon 720 (C) ²
Wheat	AGS 2024 (S) AGS 2038 © *AGS 2055 (P) AGS 3000 (C) AGS 3030 (S) AGS 3040 (S) AM473 (P) *Dyna-Gro Savoy (S) Dyna-Gro 9701 (P) ² Dyna-Gro 9811 (P) ³	Dyna-Gro Plantation (S) Go Wheat 2032 (C) ² *Hilliard (P) ³ PGX 16-4 (C) ² Pioneer 26R10 (P) Pioneer 26R41 (P) ² Pioneer 26R45 (P) Pioneer 26R59 (P) ³ Pioneer 26R94 (C) SH 5550 (S)	*SS 8415 (P) SY Viper (P) ³ USG 3118 (C) ³ USG 3329 (P) ² USG 3536 (P) ² USG 3640 (S) USG 3895 (P) ³ #BERKELEY (C) ² #FURY (C) ² #TURBO (C) ²
Triticale	*NF201 (S)	Trical 342 (S)	TriCal 01143 (C) ^{2,3}

1. P = Piedmont; C = Coastal Plain; S = Statewide.

2. Consider using a labeled fungicide; highly susceptible to powdery mildew, leaf rust, stripe rust, or crown rust.

3. Susceptible to some Hessian fly; consider using an insecticide.

* To be dropped from list in 2020.

Recommended Annual Forage Varieties for Winter 2019-2020

Oat	Horizon 306 (S) Horizon 720 (S) ⁴	*Legend 567 (C) ^{3,4} NF402 (S) ³	RAM LA99016 (S)
Wheat	*AGS 2024 (S) *AGS 2038 (P)	*Dyna-Gro Plantation (C) *GrazeAll (S)	*Pioneer 26R10 (S) *Pioneer 26R41 (S)
Rye	Bates RS4 (S) ³ Elbon (C)	Florida 401 (C) ² Kelly Grazer III (S)	Wrens Abruzzi (S)
Triticale	NF 201 (S) ³ TriCal 01143 (C) ^{2,3}	Trical 342 (S) TriCal Merlin Max (S)	TriCal Surge (S)

1. P = Piedmont; C = Coastal Plain; S = Statewide.

2. Suitable for early planting.

3. Seed may be limited in 2019-2020.

4. More tolerant to crown rust

* To be dropped from list in 2020.

Recommended Ryegrass Locations and Preferred Growth Timing

Variety	Coastal Plain			Piedmont			Mountain		
	Early	Late	Season Long	Early	Late	Season Long	Early	Late	Season Long
Andes*	yes	yes	yes	.	.	.	.	.	.
Attain	yes	yes	yes	yes	yes	yes	yes	yes	yes
Big Boss	yes	yes	yes	yes	yes	yes	yes	yes	yes
Credence*	yes	yes	yes	yes	yes	yes	yes	yes	yes
Diamond T	yes	.	yes	.	.	.	.	.	.
Earlyploid	yes	.	yes	yes	.	yes	yes	.	yes
Flying A	yes	.	yes	yes	.	yes	.	.	.
Fria	.	.	yes	yes	.	yes	yes	.	yes
Grazer*	.	.	.	yes	.	yes	yes	.	yes
Lonestar	yes	.	yes	yes	.	yes	yes	.	yes
Nelson	yes	yes	yes	yes	yes	yes	yes	yes	yes
Passerel Plus	.	.	yes	.	.	yes	.	.	yes
Prine	yes	yes	yes	yes	yes	yes	yes	yes	yes
TAMTBO	yes	yes	yes	yes	yes	yes	yes	yes	yes
Tetrastar	yes	yes	yes	yes	yes	yes	yes	yes	yes
Wax Marshall**	yes	yes	yes	yes	yes	yes	yes	yes	yes
Winterhawk	.	.	.	.	.	yes	yes	.	yes

* To be dropped from list in 2020.

** Should not be planted within 100 miles of the Gulf of Mexico or 50 miles from the Atlantic Coast because of the risk of severe yield declines due to leaf rusts or other fungal infections.

SMALL GRAIN UPDATES

DISEASES

James W. Buck, Alfredo Martinez-Espinoza, and John D. Youmans
Department of Plant Pathology
University of Georgia – Griffin

Wheat grain production in Georgia was low this season with overall acreage declining from the previous year. The state and the southeast experienced an “El Niño” year with rain arriving early in the fall and making it difficult to get the summer crops out of the fields. Therefore, most wheat planting was delayed. November, December and January were warm and wet months. Precipitation declined in the southern part of the state from February through May with generally lower humidity and drier conditions.

Powdery mildew (*Blumeria graminis*) was observed at trace levels at CAES research and education centers located in Plains and Tifton. The excessive rains in early winter most likely hindered early season infections and the low wheat acreage decreased the inoculum levels.

Fusarium head blight (FHB) (*Fusarium graminearum*) was observed throughout the state. Conditions were conducive for infections to occur and FHB severity in late-planted fields was particularly high. Corn, which acts as an inoculum source of *F. graminearum*, is again being planted on significant acreage in the state. Cool wet winters and springs could again lead to outbreaks of FHB. Please refer to UGA Extension Publication (c 1066), “Identification and Control of Fusarium Head Blight (Scab) of Wheat in Georgia” for additional information on dealing with FHB.

Leaf rust (*Puccinia triticina*) was observed at very low levels within the state. Disease levels were especially low at Tifton, but somewhat higher at Plains where plots were artificially inoculated. Stripe rust (*Puccinia striiformis*) was observed at Plains where plots were artificially inoculated. For additional information on leaf rust please visit <http://extension.uga.edu/publications/detail.html?number=C1060>

Oat crown rust (*Puccinia coronata*) incidences were numerous and severity was high in commercial fields. Crown rust was detected even on the most resistant lines for grain production in the oat variety trials at Plains and Tifton. Oat stem rust (*Puccinia graminis f.sp. avenae*) was also observed at Plains at low levels. One isolated incidence of stem rust was detected in a commercial field.

Stagonospora spot blotch and Barley Yellow Dwarf virus (BYDV) were observed at Plains.

INSECTS

G. David Buntin
Department of Entomology
University of Georgia – Griffin

The variety tests were sampled for Hessian fly, *Mayetiola destructor*, in late April, 2019 at Southwest Branch Research and Education Center near Plains and the Bledsoe Research farm near Griffin, GA. Results are from a sample of 20 stems per entry at each location and are shown in the next table.

Hessian fly infestations were moderate to large at both locations. Several wheat varieties showed good levels of Hessian fly resistance. Varieties with good resistance in southern GA may not be resistant in northern GA because of the presence of biotype L in northern GA. Rye and oats also are good Hessian-fly resistant alternatives to wheat for forage production, because rye is highly resistant, and oats are immune to the insect.

Wet conditions in the fall of 2018/2019 delayed planting of wheat throughout the state. But mild conditions during the winter caused Hessian fly infestations to reach damaging levels by the time of the spring generation in susceptible varieties in some areas. Aphids caused direct injury to wheat and also transmitted barley yellow dwarf virus (BYDV). Aphid infestations also generally were variable and sometimes large throughout the state. But BYDV infections generally were moderate throughout Georgia. Most infestations were in earlier planted oats and not in later wheat for grain production. Systemic insecticide seed treatments and properly timed foliar applications of insecticides can reduce aphid numbers and minimize BYD incidence. Cereal leaf beetle infestations also caused leaf defoliation in some fields, mostly in central and eastern Georgia. Generally dry conditions at harvest provided for very good grain yields if harvest was timely. Consult your local county Extension agent and current edition of the Georgia Pest Management Handbook, Commercial edition, for a list of recommended insecticides and for management practices for these and other insect pests of small grains.

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2018-2019

Variety	Plains ¹		Griffin ¹		Rating ²
	% Infested	HF per stem	% Infested	HF per stem	
<u>Triticale</u>					
ACS 14401	10.0	0.10	5.0	0.05	R
Bolt	0.0	0.00	5.0	0.05	R
FL08091	0.0	0.00	62.5	1.38	S
FL08094	5.0	0.05	5.0	0.05	R
FL08128	0.0	0.00	0.0	0.00	R
FR 2260	5.0	0.05	45.0	1.60	S
Monarch	10.0	0.15	5.0	0.05	MR
TriCal 01143	0.0	0.00	10.0	0.15	MR
TriCal 342	5.0	0.10	10.0	0.15	MR
TriCal Merlin Max	10.0	0.10	20.0	0.25	MS
TriCal Surge	5.0	0.05	0.0	0.00	R
<u>Wheat</u>					
#Berkeley	0.0	0.52	0.0	0.00	R
#Blaze	0.0	0.00	15.0	0.15	MS
#BULLET	0.0	0.00	10.0	0.10	MR
#Fury	15.0	0.25	15.0	0.45	MS
#TURBO	5.0	0.05	35.0	0.75	S
AgriMAXX 473	5.0	0.32	0.0	0.00	R
AgriMAXX 481	0.0	0.36	0.0	0.00	R
AgriPro SX8186	30.0	0.56	60.0	1.85	S
AgriPro SY17	10.0	0.10	0.0	0.00	MR
AgriPro Syngenta SY 547	35.0	0.41	50.0	1.25	S
AGS 2024	15.0	0.15	5.0	0.05	MS
AGS 2038	15.0	0.15	10.0	0.15	MR
AGS 3000	5.0	0.05	4.0	0.06	R
AGS 3030	0.0	0.00	5.0	0.05	R
AGS 3040	5.0	0.05	0.0	0.00	R
AR 06146E-1-4	25.0	0.52	50.0	1.20	S
AR 07133C-19-4	80.0	0.51	45.0	1.35	S
Coastal	0.0	0.42	0.0	0.00	R
Dyna-Gro 9701	0.0	0.00	8.3	0.11	R
Dyna-Gro 9811	35.0	0.70	45.0	1.00	S
Dyna-Gro Plantation	5.0	0.41	0.0	0.00	R
DynaGro TV8861	5.0	0.05	5.0	0.05	R
DynaGro WX18416	33.3	0.41	0.0	0.00	S
GA 071518-16E39	0.0	0.00	10.0	0.10	MR
GA 091291-16LE28	36.8	1.11	35.0	1.00	S
GA 09129-16E55	0.0	0.00	0.0	0.00	R
GA 09377-16LE18	0.0	0.00	15.0	0.35	MR
GA 09436-16LE12	0.0	0.00	33.3	0.77	S
GA 10127-18E26	5.0	0.44	15.0	0.25	MS
GA 111007-18E45	10.0	0.44	0.0	0.00	MR
GA 12505B14-18LE23F	0.0	0.47	15.0	0.40	MS
GA 131246LDH-18E35	10.0	0.44	60.0	1.15	S
GA 141007-G5-G95-18E53F	20.0	0.45	5.0	0.20	S
GA 141007-G5-G95-18ESc27F	5.0	0.49	5.0	0.20	R
GA 14436LDH-18LE226	5.0	0.48	5.0	0.10	R

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2018-2019 (Continued)

Variety	Plains ¹		Griffin ¹		Rating ²
	% Infested	HF per stem	% Infested	HF per stem	
Wheat - continued					
GA 14436LDH-18LE25	15.0	0.46	0.0	0.00	MS
GA 14438LDH-18LE31	0.0	0.46	0.0	0.00	R
GA 15328-18E52F	0.0	0.45	0.0	0.00	R
GA 15VDH-FHB-MAS10-18LEDH16F	5.0	0.50	5.0	0.05	R
GA 15VDH-FHB-MAS22-18ESc41F	0.0	0.49	0.0	0.00	R
GA 15VDH-FHB-MAS23-18LE43F	0.0	0.47	0.0	0.00	R
GA 15VDH-FHB-MAS23-18LE45F	10.0	0.48	0.0	0.00	MR
GA 15VDH-FHB-MAS27-07ADH33F	50.0	0.50	30.0	0.35	S
GA 15VDH-FHB-MAS30-18ELDH29F	50.0	0.50	35.0	0.80	S
GA 15VDH-FHB-MAS30-ESc43F	15.0	0.48	25.0	0.25	S
GA 15VDH-FHB-MAS33-18LE46	10.0	0.46	0.0	0.00	MR
GA09589-17E22	0.0	0.34	5.0	0.05	R
GA101004-17LE17	0.0	0.35	20.0	0.35	MS
GA101263-17LE19	20.0	0.36	30.0	1.00	S
GA101298-17LE11	0.0	0.34	0.0	0.00	R
GA10268-17LE16	0.0	0.35	0.0	0.00	R
GA10407-17E8	10.0	0.33	0.0	0.00	R
GA10559-17E14	5.0	0.34	30.0	0.60	S
GA111093-17LE9	0.0	0.36	20.0	0.30	MS
GA11656-17E11	10.0	0.32	0.0	0.00	R
GA11656-17E12	25.0	0.33	15.0	0.30	S
GA-Gore	10.0	0.15	15.0	0.55	MS
GO W 2032	0.0	0.00	5.0	0.05	R
GoWheat LA754	20.0	0.20	20.0	0.55	MS
LA 08080C-31-1	0.0	0.29	0.0	0.00	R
LA 09225C-33-3	0.0	0.29	60.0	1.20	S
LA10191C-1	5.0	0.39	15.0	0.25	MS
LA12080LDH-72	10.0	0.40	30.0	1.00	S
LA13235DH-19	5.0	0.40	0.0	0.00	R
LCS L11544	25.0	0.37	0.0	0.00	S
Liberty 5658	35.0	0.56	70.0	2.70	S
LW 2848	0.0	0.43	5.0	0.05	R
LW 2937	10.0	0.42	5.0	0.10	MR
LW EX19B	5.0	0.43	0.0	0.00	R
LW EX19C	0.0	0.43	0.0	0.00	R
LWX 19D	36.4	0.55	71.9	0.81	S
NC13-21213	0.0	0.30	5.0	0.05	R
NC14-23372	5.0	0.30	0.0	0.00	R
NC15-21834	35.0	0.37	10.0	0.15	S
NF101	20.0	0.25	5.0	0.20	MS
NF97117	10.0	0.10	0.0	0.00	MR
ON11D25005	45.0	0.51	10.0	0.10	S
ON13P016	0.0	0.28	5.0	0.05	R
ON14319	25.0	0.27	25.0	0.70	S
ON15111	5.0	0.51	0.0	0.00	R
PGX 16-4	5.0	0.10	30.0	0.45	S
PGX 17-16	0.0	0.53	10.0	0.10	R
PGX 18-2	35.0	0.53	55.0	1.90	S
PGX 18-7	17.6	0.53	80.0	1.20	S
PGX 18-8	23.5	0.54	70.0	2.45	S

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2018-2019 (Continued)

Variety	Plains ¹		Griffin ¹		Rating ²
	% Infested	HF per stem	% Infested	HF per stem	
Wheat - continued					
Pioneer 26R10	0.0	0.00	0.0	0.00	R
Pioneer 26R41	5.0	0.05	5.0	0.05	R
Pioneer 26R45	0.0	0.00	7.3	0.15	R
Pioneer 26R59	40.0	0.60	15.0	0.15	S
Pioneer 26R94	10.0	0.10	10.0	0.20	MR
SH 5550	25.0	0.45	5.0	0.05	MS
SH 5550	26.7	0.31	50.0	1.90	S
SH 7200	0.0	0.00	0.0	0.00	R
SY Viper	58.3	2.08	35.0	0.90	S
TX 15D9579	10.0	0.38	35.0	1.00	S
TX 15D9597	0.0	0.38	0.0	0.00	R
TX 15D9608	10.0	0.38	25.0	0.30	R
TXLA 14066DH-64	10.0	0.39	0.0	0.00	MR
TXLA 14066DH-88	5.0	0.39	10.0	0.15	MR
UMD 15MDX18	60.0	0.31	60.0	2.40	S
UMD 15MDX19	35.0	0.55	5.0	0.10	S
UMD 15MDX20	5.0	0.31	5.0	0.05	R
UMD 15MDX5	25.0	0.32	50.0	3.65	S
UMD 15MW131	15.0	0.55	30.0	0.45	S
USG 3118	5.0	0.28	40.0	0.60	S
USG 3329	0.0	0.29	10.0	0.10	MR
USG 3536	15.0	0.15	0.0	0.00	MS
USG 3539	5.0	0.54	5.0	0.05	R
USG 3640	15.0	0.20	0.0	0.00	MS
USG 3895	45.0	0.75	40.0	0.90	S
VA09MAS2-131-6-2	50.0	1.05	30.0	0.50	S

1. 2019 results at Griffin and Plains were from one sample of 20 stems.

2. Ratings: R = resistance, MR = moderately resistant, MS = moderately susceptible, S = susceptible.

Test conducted by G. David Buntin, Department of Entomology, Griffin Campus, Griffin, GA.

Grain Tests Results

Wheat

Regional Yield Summary: Wheat Grain Performance, Georgia, 2018-2019

		Normal Planting Dates						Late Plantings	
Company or		North ¹		South ²		Statewide ³		South ⁴	
Brand Name	Variety	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg
----- bu/acre -----									
AgriMAXX	AM473	95.7	97.6	.	.	.	.	.	.
AgriMAXX	AM481	91.4	.	93.0	.	92.5	.	.	.
AgriMAXX	Exp 1906	95.9	.	66.5	.	76.3	.	.	.
AgriPro	SX8186	97.4	.	93.5	.	94.8	.	.	.
AgriPro	SY 547	100.0	.	61.3	.	74.8	.	.	.
AgriPro	SY Viper	107.4	105.9	79.2	97.6	88.6	100.4	.	.
AGSouth	AGS 2024	103.1	97.1	93.1	105.0	96.5	102.5	60.9	.
AGSouth	AGS 2038	86.4	.	90.7	98.3	89.3	.	61.8	.
AGSouth	AGS 3000	89.9	.	83.7	86.0	85.7	.	65.0	83.2
AGSouth	AGS 3030	81.9	83.0	86.7	95.6	85.1	91.4	52.6	77.9
AGSouth	AGS 3040	90.0	84.7	90.7	97.5	90.5	93.3	.	.
Armor Seed	Coastal	93.2	.	.	.	.	.	.	.
Dyna-Gro	Dyna-Gro 9701	92.3	102.8	.	.	.	.	.	.
Dyna-Gro	Dyna-Gro 9811	95.4	105.0	72.6	95.0	80.2	98.3	.	.
Dyna-Gro	Dyna-Gro Plantation	98.0	.	91.4	.	93.6	.	.	.
Dyna-Gro	Dyna-Gro TV8861	104.6	.	65.9	88.2	78.8	.	.	.
Dyna-Gro	WX18416	100.4	.	.	.	.	.	.	.
Go Wheat	GoWheat 2032	104.3	89.0	85.7	93.7	91.9	92.1	60.8	81.2
Go Wheat	GoWheat LA754	85.5	72.6	82.1	86.1	83.2	81.6	.	.
GSDC	GA Gore	79.9	67.5	71.5	76.1	74.1	73.4	.	.
KWS Cereals	KWS19X08	104.2	.	71.4	.	82.8	.	.	.
Limagrain	LCS L11544	.	.	91.4	.	.	.	.	.
Local Seed	LW 2848	100.8	.	.	.	.	.	.	.
Local Seed	LW 2937	96.8	.	.	.	.	.	.	.
Local Seed	LW Ex 19B	100.1	.	.	.	.	.	.	.
Local Seed	LW Ex 19C	94.9	.	.	.	.	.	.	.
Local Seed	LWX 19D	110.6	.	.	.	.	.	.	.
LSU	LA08080C-31-1	92.6	87.9	85.8	96.1	88.1	93.4	50.5	.
LSU	LA09225C-33-3	94.9	85.1	85.8	94.7	88.8	91.5	.	.
LSU	LA10191C-1	95.9	.	80.6	.	85.7	.	.	.
LSU	LA12080LDH-72	93.0	.	88.1	.	89.7	.	.	.
LSU	LA13235DH-19	89.6	.	77.0	.	81.2	.	.	.
NCSU	NC13-21213	92.1	88.9	79.1	88.7	83.4	88.8	.	.
NCSU	NC14-23372	85.3	89.8	76.4	91.1	79.4	90.7	.	.
NCSU	NC15-21834	91.7	.	56.9	.	67.5	.	.	.
Ogletree Seed	Johnson	95.4	.	.	.	.	.	.	.
Pioneer	26R10	96.6	100.1	65.6	85.2	76.4	90.3	.	.
Pioneer	26R41	96.3	104.0	64.6	83.5	75.1	90.3	.	.
Pioneer	26R45	112.8	114.0	69.4	86.3	83.9	95.5	.	.
Pioneer	26R59	95.0	100.0	63.8	86.1	74.2	90.7	.	.
Pioneer	26R94	88.8	77.7	84.6	98.0	86.0	91.3	57.6	80.3
Progeny	#BERKELEY	.	.	87.9	101.4	.	.	.	.
Progeny	#BLAZE	.	.	59.5	.	.	.	.	.
Progeny	#BULLET	.	.	64.6	81.6	.	.	.	.
Progeny	#FURY	.	.	91.9	101.9	.	.	.	.
Progeny	#TURBO	.	.	80.3	94.5	.	.	.	.
Progeny	PGX 16-4	.	.	87.0	100.6	.	.	.	.
Progeny	PGX 17-16	.	.	56.6	.	.	.	.	.

Regional Yield Summary: Wheat Grain Performance, Georgia, 2018-2019 (Continued)

		Normal Planting Dates						Late Plantings	
Company or Brand Name	Variety	North ¹		South ²		Statewide ³		South ⁴	
		2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg
----- bu/acre -----									
Progeny	PGX 18-2	.	.	83.1	.	.	.	.	.
Progeny	PGX 18-7	.	.	71.4	.	.	.	.	.
Progeny	PGX 18-8	.	.	67.3	.	.	.	.	.
Southern Harvest	SH 5550	.	.	84.7	.	.	.	59.2	.
Southern Harvest	SH 7200	.	.	83.0	.	.	.	.	.
Southern Harvest	SH 7510	.	.	54.9	.	.	.	.	.
TAMU	TX15D9579	96.2	.	87.5	.	90.4	.	.	.
TAMU	TX15D9597	105.6	.	85.6	.	92.3	.	.	.
TAMU	TX15D9608	84.6	.	80.5	.	81.9	.	.	.
TAMU	TXLA14066DH-64	98.7	.	.	.	.	.	.	.
TAMU	TXLA14066DH-88	97.4	.	.	.	.	.	.	.
U of A	ARLA06146E-1-4	88.4	.	79.1	.	82.2	.	.	.
U of A	ARLA07133C-19-4	92.5	.	55.9	.	68.1	.	.	.
UGA	GA071518-16E39	109.9	96.9	91.9	96.1	97.9	96.4	62.5	.
UGA	GA091291-16LE28	99.2	87.0	89.3	95.1	92.6	92.4	.	.
UGA	GA09129-16E55	93.2	84.6	88.1	96.7	89.8	92.7	57.5	.
UGA	GA09377-16LE18	92.0	81.8	93.4	104.0	93.0	96.9	65.1	.
UGA	GA09436-16LE12	91.6	85.7	82.8	93.4	85.7	90.8	.	.
UGA	GA09589-17E22	95.3	81.6	87.2	101.5	89.9	94.9	.	.
UGA	GA101004-17LE17	80.6	86.9	91.3	102.5	87.7	97.3	.	.
UGA	GA101263-17LE19	103.4	85.1	88.0	95.4	93.1	92.0	.	.
UGA	GA10127-18E26	102.8	.	93.8	.	96.8	.	.	.
UGA	GA101298-17LE11	99.3	88.9	88.1	97.4	91.8	94.6	.	.
UGA	GA10268-17LE16	97.4	89.7	87.4	96.5	90.8	94.2	.	.
UGA	GA10407-17E8	101.0	90.9	86.4	93.6	91.3	92.7	.	.
UGA	GA10559-17E14	99.3	81.0	87.2	100.4	91.3	93.9	.	.
UGA	GA111007-18E45	108.8	.	85.5	.	93.2	.	.	.
UGA	GA111093-17LE9	100.9	93.3	81.3	94.3	87.9	94.0	.	.
UGA	GA11656-17E11	105.4	91.8	86.9	98.5	93.1	96.3	.	.
UGA	GA11656-17E12	94.6	88.9	93.7	102.0	94.0	97.6	.	.
UGA	GA12505B14-18LE23F	108.6	.	83.1	.	91.6	.	.	.
UGA	GA131246LDH-18E35	98.1	.	95.6	.	96.4	.	.	.
UGA	GA--141077-18E53F	93.5	.	84.8	.	87.7	.	.	.
UGA	GA141077-18ESc27F	91.3	.	86.3	.	88.0	.	.	.
UGA	GA14436LDH-18LE25	108.7	.	80.3	.	89.8	.	.	.
UGA	GA14436LDH-18LE26	76.8	.	75.3	.	75.8	.	.	.
UGA	GA14438LDH-18LE31	93.4	.	71.3	.	78.6	.	.	.
UGA	GA15328-18E52F	90.6	.	90.0	.	90.2	.	.	.
UGA	GA--MA23-18LE43F	96.4	.	93.0	.	94.1	.	.	.
UGA	GA--MA33-18LE46	86.3	.	88.4	.	87.7	.	.	.
UGA	GAMAS10-18LEDH16F	92.1	.	80.1	.	84.1	.	.	.
UGA	GAMAS22-18ESc41F	96.6	.	86.0	.	89.5	.	.	.
UGA	GAMAS23-18LE45F	94.8	.	83.8	.	87.4	.	.	.
UGA	GAMAS27-07ADH33F	91.8	.	80.9	.	84.5	.	.	.
UGA	GAMAS30-18ELDH29F	92.8	.	91.0	.	91.5	.	.	.
UGA	GAMAS30-ESc43F	85.1	.	90.6	.	88.9	.	.	.
UMD	15MDX18	93.2	90.0	77.8	88.0	83.0	88.7	.	.
UMD	15MDX19	96.2	.	87.2	.	90.2	.	.	.
UMD	15MDX20	98.0	94.2	87.9	96.9	91.2	96.0	36.2	.
UMD	15MDX5	93.9	78.2	80.5	84.8	85.0	82.6	32.5	.
UMD	15MW131	90.1	.	59.2	.	69.5	.	.	.

Regional Yield Summary: Wheat Grain Performance, Georgia, 2018-2019 (Continued)

		Normal Planting Dates						Late Plantings	
Company or Brand Name	Variety	North ¹		South ²		Statewide ³		South ⁴	
		2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg
----- bu/acre -----									
UniSouth	USG 3118	87.8	86.8	80.0	96.6	82.3	93.4	.	.
UniSouth	USG 3329	95.6	101.2	.	.	.	.	.	.
UniSouth	USG 3536	96.8	102.7	.	.	.	.	.	.
UniSouth	USG 3539	102.7	.	59.8	.	73.4	.	.	.
UniSouth	USG 3640	98.5	87.2	89.6	102.5	92.6	97.6	64.3	.
UniSouth	USG 3895	110.1	101.7	81.7	94.3	91.2	96.8	.	.
VA Tech	<i>Liberty 5658</i>	92.9	.	85.3	.	87.8	.	.	.
VA Tech	VA09MAS2-131-6-2	97.9	.	71.1	.	80.0	.	.	.
Average across tests		95.9	90.7	81.0	94.3	86.4	92.8	57.3	80.6
Average for Released entries		95.2	92.8	77.8	93.1	84.3	92.0	60.3	80.6
<i>Average for Experimental entries</i>		96.1	88.8	82.2	95.7	87.2	93.4	50.7	-
LSD at 10% Level		10.2	8.8	4.8	4.2	5.8	5.7	5.5	NS
Std. Err. of Entry Mean		4.3	3.8	2.1	1.8	2.5	2.4	2.3	1.7
Model R-squared		0.77	0.64	0.73	0.72	0.59	0.29	0.79	0.91

1. Calhoun and Athens.

2. Plains (2 tests), Midville, and Tifton.

3. Statewide averages exclude late plantings.

4. Plains (2 tests) and Tifton. Yields were low due to vernalization problems and do not reflect yield potential under more normal conditions.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Yields are calculated as 60 pounds per bushel at 13.5% moisture.

Summary of Agronomic Characteristics for Varieties with 2 Years of Data

Wheat Brand-Variety	Yield		Test Weight		Height		Lodging		Head Date	
	North ¹	South ²	North ¹	South ²	North ¹	South ²	North ¹	South ²	North ¹	South ²
	----- bu/acre -----		----- lb/bu -----		----- inches -----		----- % -----		---- month-day ----	
#BERKELEY	.	101.4	.	56.2	.	34.7	.	20	.	04-05
#BULLET	.	81.6	.	53.5	.	36.9	.	12	.	04-16
#FURY	.	101.9	.	57.1	.	35.6	.	30	.	04-04
#TURBO	.	94.5	.	56.6	.	36.3	.	11	.	04-06
15MDX18	90.0	88.0	56.5	58.2	34.5	32.7	21	17	04-05	04-05
15MDX20	94.2	96.9	55.3	57.7	36.5	35.1	26	24	04-14	04-02
15MDX5	78.2	84.8	56.6	58.8	36.9	35.5	30	57	04-07	03-27
26R10	100.1	85.2	55.1	54.9	39.9	35.3	15	12	04-20	04-14
26R41	104.0	83.5	56.5	55.5	37.1	33.2	9	10	04-19	04-13
26R45	114.0	86.3	56.1	54.5	41.1	35.9	18	29	04-18	04-15
26R59	100.0	86.1	54.8	53.4	35.8	31.1	12	11	04-19	04-12
26R94	77.7	98.0	56.9	58.7	38.8	38.5	19	30	04-07	03-30
AGS 2024	97.1	105.0	56.5	57.9	37.6	35.6	34	28	04-14	03-30
AGS 2038	.	98.3	.	57.7	.	40.8	.	31	.	04-02
AGS 3000	.	86.0	.	59.4	.	35.0	.	14	.	03-20
AGS 3030	83.0	95.6	55.8	58.2	36.9	34.9	21	33	04-10	03-29
AGS 3040	84.7	97.5	55.0	56.6	38.3	36.7	19	37	04-12	04-02
AM473	97.6	.	54.0	.	40.6	.	14	.	04-19	.
Dyna-Gro 9701	102.8	.	54.6	.	40.6	.	17	.	04-19	.
Dyna-Gro 9811	105.0	95.0	56.0	55.5	40.5	37.3	6	9	04-14	04-09
Dyna-Gro TV8861	.	88.2	.	56.5	.	34.7	.	12	.	04-13
GA Gore	67.5	76.1	52.9	54.0	40.1	37.3	39	57	04-08	03-26
GA071518-16E39	96.9	96.1	55.8	58.5	36.8	35.0	26	40	04-09	03-28
GA091291-16LE28	87.0	95.1	55.2	57.3	40.4	38.6	25	23	04-14	04-01
GA09129-16E55	84.6	96.7	57.3	60.0	38.5	36.7	19	25	04-06	03-26
GA09377-16LE18	81.8	104.0	55.4	58.4	38.0	37.4	15	24	04-09	03-28
GA09436-16LE12	85.7	93.4	58.5	61.5	40.8	39.3	19	13	04-11	03-31
GA09589-17E22	81.6	101.5	55.2	58.5	34.7	33.4	18	23	04-07	03-25
GA101004-17LE17	86.9	102.5	57.9	59.7	37.5	36.5	18	20	04-11	03-31
GA101263-17LE19	85.1	95.4	54.9	58.6	36.2	35.3	21	16	04-12	04-01
GA101298-17LE11	88.9	97.4	56.8	58.9	39.5	37.2	29	43	04-15	04-01
GA10268-17LE16	89.7	96.5	53.5	56.6	42.1	37.3	35	49	04-20	04-04
GA10407-17E8	90.9	93.6	55.2	58.1	38.3	35.8	18	34	04-10	03-30
GA10559-17E14	81.0	100.4	55.4	58.4	37.1	35.9	21	14	04-08	03-25
GA111093-17LE9	93.3	94.3	56.5	57.6	38.1	33.8	34	29	04-13	04-04
GA11656-17E11	91.8	98.5	57.0	59.2	40.6	38.1	33	32	04-10	03-31
GA11656-17E12	88.9	102.0	56.2	58.5	37.3	37.0	15	21	04-09	03-27
GoWheat 2032	89.0	93.7	56.2	59.2	37.5	35.8	29	27	04-10	03-29
GoWheat LA754	72.6	86.1	54.2	57.6	38.3	37.2	21	35	04-10	03-31
LA08080C-31-1	87.9	96.1	54.7	56.4	36.1	34.9	17	22	04-13	04-03
LA09225C-33-3	85.1	94.7	54.5	57.0	39.9	36.3	37	39	04-18	04-02
NC13-21213	88.9	88.7	56.3	57.4	39.5	36.4	33	33	04-13	04-06
NC14-23372	89.8	91.1	56.8	59.5	38.4	35.8	14	19	04-16	04-06
PGX 16-4	.	100.6	.	58.3	.	36.4	.	25	.	04-04
SY Viper	105.9	97.6	57.1	56.4	41.2	37.3	24	36	04-11	04-07
USG 3118	86.8	96.6	55.7	56.2	35.3	33.4	18	22	04-10	04-06
USG 3329	101.2	.	54.5	.	39.6	.	13	.	04-19	.
USG 3536	102.7	.	54.9	.	41.6	.	9	.	04-18	.
USG 3640	87.2	102.5	56.4	59.0	37.3	37.3	24	25	04-23	03-30
USG 3895	101.7	94.3	54.5	55.1	37.4	33.3	13	21	04-15	04-08
Average	90.7	94.3	55.7	57.4	38.4	36.0	21	26	04-13	04-02
LSD at 10% Level	8.8	4.2	1.5	0.7	1.4	0.6	11	7	3	1

1. Calhoun and Athens, 2018 and 2019 harvest years. Four total tests.

2. Plains (2 tests), Midville, and Tifton, 2018 and 2019 harvest years. Eight total tests.

Summary of Disease and Pest Tolerance for Varieties with 2 Years of Data

Wheat Brand-Variety	Scab	Leaf rust					Stripe rust ³	Septoria	Mildew			
	2019	2018					2018	2019	2018			
	Tifton	Calhoun	Tifton ²	Midville ³	Plains ³	Tifton ⁴	Plains ⁵	Tifton ⁶	Calhoun	Plains ⁷	Tifton ⁷	Tifton ⁴
	%	0-9	0-9	%	%	%	0-9	0-9	0-9	%	%	%
#BERKELEY	1	0	0	0	0	0	0.1	5	7	8	18	0
#BULLET	.	5	.	.	.	.	.	.	1.5	.	.	.
#FURY	0.1	0	0	0	0	0	3	0.6	8	23	50	0
#TURBO	1	0	0	0	0	0	3	0.6	6	8	28	0
15MDX18	.	0	0	0	0	.	0.1	.	1.6	0.05	0.1	.
15MDX20	5	5	0	0	0	0	5	0.5	3.5	0	10	0
15MDX5	0	.	0	5	0	0	0.1	0	.	0	0.1	0
26R10	0	1.5	0.1	0	10	0	0	0.05	0	0	0	0
26R41	2	0	0	0	0	0	1	0	5.5	0.05	8	0
26R45	0.6	0	0	0	0	0	0.1	0	5.0	0	3	0
26R59	0	0	0	0	0	0	0.1	0.5	1.6	0	0	0
26R94	1	0	0	0	0	0	1	0.1	5.5	5	28	0
AGS 2024	0	0	0	0	0	0	1	0	2.0	0	0	0
AGS 2038	0.05	1.5	0	0.1	0	0	4	0	5.0	5	28	0.1
AGS 3000	.	0	.	.	.	.	.	.	3.0	.	.	.
AGS 3030	.	9	2	0.5	0.1	.	0.1	.	0	0	5	.
AGS 3040	3	.	0	0	0	0	0	4	.	0.05	8	0
AM473	1	0	0	0	0	0	0.5	1.1	2.0	0	0.1	0
Dyna-Gro 9701	0	7	1	8	1	0.05	0.1	0	1.0	0.05	0	0
Dyna-Gro 9811	2	5	0	0	0	0	3	0	1.5	0	0	0
Dyna-Gro TV8861	0.6	0	0	0	0	0	3	1.5	3.5	8	20	0
GA Gore	3	0	0	0	0	0	1	0.05	3.0	0.05	0	0
GA071518-16E39	5	.	0	0	0.1	0	0.1	0	.	3	3	0
GA091291-16LE28	0.1	0	0	0	0	0	0	0	4.5	0.05	13	0
GA09129-16E55	0	5	0	0.1	0.6	0	0	0.05	0.6	0.05	0	0
GA09377-16LE18	0.05	.	0	0	0	0	3	0	.	0	0	0
GA09436-16LE12	0.6	0.5	0	0	0	0	2	1.5	2.5	0.05	8	0
GA09589-17E22	0.1	0	0	0	0	0	0.6	0	2.0	0.05	0.1	0
GA101004-17LE17	0.1	0	0	0	0	0	3	1.5	5.0	0	3	0
GA101263-17LE19	0	9	6	13	15	0.1	0	0	0	5	13	0
GA101298-17LE11	0	.	4	23	8	30	0.1	0	.	0.05	0.1	0
GA10268-17LE16	0	1.5	0	3	0.1	0	0	0	5.0	0	3	0
GA10407-17E8	0	.	0	0	0.1	0	0	1.6	.	2.5	3	0
GA10559-17E14	0.05	.	.	0	0	0	4	0	.	0.1	.	0
GA111093-17LE9	0.6	0	0	0	0	0	0.1	0.05	2.5	0	2.5	0
GA11656-17E11	0	.	0	0	0	0	3	0	.	0	3	0
GA11656-17E12	0	2	0	5	0.1	0	0	0	2.5	0.5	0.1	0
GoWheat 2032	0.05	0	0	0	0	0	5	0	4.5	2.5	10	0
GoWheat LA754	2	0	0.1	0	0	0	4	0.05	7	2.6	18	0.05
LA08080C-31-1	2	1.5	3	13	15	0	9	4	4.0	0.05	18	0
LA09225C-33-3	0.6	0	0	0	0	0	4	0.6	3.0	0	15	0
NC13-21213	0	5	0	0	0.1	0	0	0	0	0	2.5	0
NC14-23372	4	0	0	0	0	0	0.1	0.05	0	0	8	0
PGX 16-4	0	0.5	0	0	0	0	0.1	0	6	10	18	2.5
SY Viper	1	0	0	0	0	0	3	3	1.5	0	0	0
USG 3118	0	0	0	0	0	0	0.6	0.1	3.5	0	3	0
USG 3329	0	7	1	10	13	0.5	0.1	0	1.0	0	5	0
USG 3536	0.1	0	0	0	0	0	8	0.05	2.5	0	5	0
USG 3640	0	0	0	0	0	0	1	0.5	2.0	0	5	0
USG 3895	0.6	0	0	0	0	0	2	0.6	8	2.5	3	0
Average	0.8	1.5	0.3	1.6	1.3	0.7	1.6	0.6	3.2	1.8	8	0.06

1. Fusarium Head Blight evaluated on on April 23, 2019, percent incidence.

2. Whole-plant ratings on May 15, 2018, 0 = absent, 9 = most severe.

3. Flag leaf ratings on May 15, 2018, percent severity.

4. Whole-plant ratings on April 23, 2019, percent severity.

5. Whole-plant ratings on April 25, 2018, 0 = absent, 9 = most severe.

6. Whole-plant ratings on April 23, 2019, 0 = absent, 10 = most severe.

7. Whole-plant ratings on April 5, 2018, percent severity.

Calhoun, Georgia:

Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test		Lodging	Head Date
	2019	2-Yr Avg	Weight	Height		
	----- bu/acre -----		lb/bu	in	%	mo/day
26R45	99.5	99.2	58.8	39	3	04-16
LWX 19D	98.3	.	58.5	36	0	04-18
USG 3895	96.3	83.7	57.8	37	0	04-11
USG 3536	94.8	94.0	58.0	41	3	04-13
KWS19X08	92.6	.	59.5	37	0	04-15
26R59	90.7	90.1	57.8	36	0	04-17
LW 2937	90.7	.	56.1	38	0	04-16
Dyna-Gro TV8861	90.1	.	58.5	40	0	04-19
LW 2848	89.6	.	57.3	39	3	04-19
SY Viper	89.5	93.2	58.8	40	3	04-02
GoWheat 2032	88.6	78.0	59.1	36	25	04-08
WX18416	88.1	.	58.5	39	0	04-12
AM473	87.8	85.9	58.0	39	0	04-17
SY 547	87.2	.	58.6	39	3	04-07
USG 3329	87.1	86.5	57.7	37	0	04-15
USG 3539	86.9	.	58.6	38	0	04-15
GA10127-18E26	86.5	.	59.3	35	0	04-19
GA101263-17LE19	86.0	74.3	59.6	36	13	04-09
GA11656-17E11	86.0	79.3	60.0	38	30	04-02
LW Ex 19C	85.7	.	57.0	35	0	04-23
GA10407-17E8	85.6	75.7	59.3	39	5	04-06
GA111007-18E45	85.4	.	58.7	34	3	04-05
GA12505B14-18LE23F	85.4	.	59.5	40	28	04-11
26R10	85.2	75.2	57.6	37	13	04-17
Dyna-Gro 9701	85.1	88.8	57.4	38	8	04-17
GA071518-16E39	85.1	77.1	59.2	34	6	04-04
GA14436LDH-18LE25	84.7	.	59.3	36	0	04-08
15MDX20	84.2	84.0	56.6	33	23	04-14
Dyna-Gro Plantation	84.2	.	59.3	34	13	04-11
NC15-21834	83.2	.	59.1	41	13	04-14
AGS 2024	83.1	88.6	57.7	35	3	04-11
Dyna-Gro 9811	83.0	97.7	58.0	39	0	04-10
26R41	81.2	91.3	58.8	34	0	04-16
ARLA07133C-19-4	80.8	.	59.4	40	0	04-06
GA111093-17LE9	80.1	84.0	58.2	37	15	04-11
TXLA14066DH-88	79.8	.	57.2	33	5	04-04
TX15D9579	79.4	.	58.9	37	3	04-03
15MDX18	79.3	79.4	58.9	33	0	04-19
LA09225C-33-3	79.0	74.1	58.0	40	0	04-16
GA131246LDH-18E35	78.9	.	58.0	38	58	04-03
LW Ex 19B	78.5	.	58.5	39	0	04-18
LA12080LDH-72	78.5	.	59.2	37	3	04-03
GA09377-16LE18	78.3	83.2	58.9	37	8	04-09
ARLA06146E-1-4	78.3	.	58.5	37	20	03-30
TX15D9597	77.9	.	59.7	38	3	04-04
GA091291-16LE28	77.6	73.9	58.7	41	0	04-12
SX8186	77.6	.	57.5	35	0	04-15
GA09589-17E22	77.2	72.4	58.7	34	5	04-05
GA101298-17LE11	77.0	74.0	58.0	39	15	04-16
26R94	76.8	70.9	59.7	39	8	03-31
Liberty 5658	76.7	.	58.0	37	0	04-13
TXLA14066DH-64	76.7	.	57.8	34	10	04-09
GAMAS30-ESc43F	76.4	.	57.5	32	3	04-09
GAMAS23-18LE45F	75.9	.	59.7	39	0	04-08
GA10268-17LE16	75.7	79.7	56.9	41	10	04-23

Calhoun, Georgia:

Wheat Grain Performance, 2018-2019 (Continued)

Brand-Variety	Yield		Test Weight	Height	Lodging	Head Date
	2019	2-Yr Avg				
	----- bu/acre -----		lb/bu	in	%	mo/day
GA--MA23-18LE43F	75.4	.	58.1	31	0	04-06
GAMAS10-18LEDH16F	75.2	.	59.9	35	0	04-10
USG 3118	75.1	84.3	58.7	32	0	04-08
NC13-21213	74.7	80.0	58.2	37	13	04-12
GAMAS27-07ADH33F	74.7	.	59.3	35	3	04-13
GAMAS30-18ELDH29F	74.6	.	57.3	34	0	04-11
15MDX19	74.4	.	58.0	33	0	04-08
GA11656-17E12	74.4	82.7	58.5	34	18	04-05
VA09MAS2-131-6-2	74.3	.	57.5	33	13	04-12
LA13235DH-19	74.3	.	59.8	35	0	04-13
GAMAS22-18ESc41F	74.3	.	58.8	40	18	04-06
LA10191C-1	74.1	.	59.5	33	0	04-07
Exp 1906	74.1	.	58.2	36	0	04-10
15MW131	74.0	.	58.2	37	0	04-18
GA15328-18E52F	73.8	.	58.5	41	18	04-14
GA10559-17E14	73.6	73.5	57.4	37	10	04-07
GA141077-18ESc27F	73.5	.	59.0	37	15	04-05
USG 3640	72.9	72.1	59.3	35	15	04-03
Coastal	72.6	.	57.7	36	0	04-10
GA09129-16E55	72.2	83.7	59.4	39	20	04-04
AGS 3030	71.5	76.2	57.3	35	0	04-09
GA14436LDH-18LE26	70.9	.	58.6	36	0	04-13
GA--MA33-18LE46	70.4	.	55.3	38	0	04-12
15MDX5	70.1	64.6	59.9	35	25	04-07
GA09436-16LE12	69.8	76.0	60.6	40	0	04-08
NC14-23372	69.7	76.7	59.2	34	0	04-22
Johnson	69.4	.	58.1	35	65	04-05
LA08080C-31-1	69.0	71.5	57.8	36	0	04-17
AGS 3040	68.5	64.1	57.0	38	13	04-14
AGS 3000	68.1	.	60.1	34	0	04-04
GA14438LDH-18LE31	67.9	.	57.6	36	0	04-14
GA--141077-18E53F	67.9	.	58.9	35	0	04-08
AM481	67.7	.	58.8	34	18	04-08
GoWheat LA754	67.2	62.9	57.2	36	20	04-08
AGS 2038	65.9	.	58.2	41	23	04-15
GA101004-17LE17	65.0	79.6	59.3	35	3	04-10
GA Gore	61.7	57.6	56.3	37	30	04-01
TX15D9608	58.1	.	54.9	33	8	04-11
Average	78.6 ¹	79.5	58.4	36	7	04-11
LSD at 10% Level	9.9	9.6	1.2	3	-	4
Std. Err. of Entry Mean	4.3	4.1	0.5	1	7	3
Model R-squared	0.59	0.56	0.58	0.60	0.45	0.54

1. C.V. = 10.8%, and df for EMS = 276.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 24, 2018.

Harvested: June 4, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Waynesboro loam.

Previous Crop: Corn.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 32 lb N, 80 lb P₂O₅, and 105 lb K₂O/acre. Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony and Zidua used for weed control.

Test conducted by H. Jordan, G. Ware, M. Tucker, and T. Turnquist.

Athens, Georgia: Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test		Lodging	Head Date	Awned	BYD Virus ¹
	2019	2-Yr Avg	Weight	Height				
	----- bu/acre -----		lb/bu	in	%	mo/day	0-1 scale	%
GA071518-16E39	134.7	116.7	58.6	38	0	04-14	1.0	0
TX15D9597	133.2	.	60.4	38	0	04-13	1.0	0
GA14436LDH-18LE25	132.6	.	58.0	39	0	04-16	1.0	0
GA111007-18E45	132.2	.	59.7	35	8	04-13	1.0	0
GA12505B14-18LE23F	131.8	.	60.9	39	4	04-15	1.0	0
26R45	126.1	128.8	58.9	40	11	04-23	0.0	0
SY Viper	125.2	118.6	58.5	40	0	04-14	0.0	0
GA10559-17E14	125.0	88.5	58.2	40	1	04-15	1.0	0
GA11656-17E11	124.8	104.3	60.1	41	0	04-14	1.0	3
USG 3640	124.1	104.4	59.5	38	0	04-13	1.0	0
USG 3895	123.9	119.7	57.2	37	0	04-16	1.0	1
AGS 2024	123.1	104.5	59.0	39	6	04-17	1.0	0
LWX 19D	123.0	.	57.8	34	0	04-21	1.0	0
AM481	122.9	.	60.2	35	0	04-10	1.0	4
GA111093-17LE9	121.8	102.7	59.7	37	4	04-14	1.0	0
LW Ex 19B	121.8	.	58.9	41	5	04-23	1.0	0
GA101298-17LE11	121.6	103.9	59.9	40	5	04-14	1.0	0
Johnson	121.5	.	58.6	36	0	04-13	1.0	0
VA09MAS2-131-6-2	121.4	.	59.3	32	0	04-15	0.1	15
GA091291-16LE28	120.8	100.1	58.2	42	9	04-17	1.0	3
TXLA14066DH-64	120.7	.	58.6	33	0	04-11	1.0	0
GA101263-17LE19	120.7	95.9	59.1	35	0	04-16	1.0	0
GoWheat 2032	120.0	100.0	58.3	37	10	04-14	1.0	0
GA--141077-18E53F	119.2	.	59.6	35	11	04-10	1.0	0
GA10268-17LE16	119.2	99.7	57.3	42	13	04-23	1.0	3
Dyna-Gro TV8861	119.1	.	58.6	39	0	04-24	1.0	0
GA10127-18E26	119.0	.	59.6	38	0	04-19	1.0	4
GAMAS22-18ESc41F	118.9	.	58.8	35	0	04-11	0.0	0
GA14438LDH-18LE31	118.9	.	57.1	36	0	04-15	1.0	13
USG 3539	118.5	.	58.6	38	0	04-25	1.0	0
15MDX19	118.0	.	58.2	35	0	04-16	1.0	0
Exp 1906	117.8	.	58.2	38	0	04-18	1.0	4
LA10191C-1	117.6	.	60.5	36	0	04-11	1.0	0
15MDX5	117.6	91.8	60.1	37	8	04-13	1.0	0
GA--MA23-18LE43F	117.4	.	59.5	33	0	04-14	1.0	0
GA131246LDH-18E35	117.3	.	57.4	39	4	04-15	1.0	0
SX8186	117.2	.	58.2	36	0	04-10	0.0	0
GAMAS30-18ELDH29F	117.1	.	58.4	32	0	04-10	1.0	0
GA10407-17E8	116.5	106.2	56.4	36	0	04-14	1.0	9
LA08080C-31-1	116.2	104.3	58.1	33	0	04-11	1.0	14
KWS19X08	115.8	.	59.3	37	0	04-20	1.0	10
TXLA14066DH-88	114.9	.	57.9	35	0	04-12	1.0	0
GA11656-17E12	114.8	95.2	58.3	38	0	04-12	1.0	6
GA09129-16E55	114.3	85.6	60.0	36	14	04-11	1.0	0
Coastal	113.7	.	58.4	35	0	04-13	1.0	0
GAMAS23-18LE45F	113.6	.	59.4	40	0	04-15	1.0	0
GA09589-17E22	113.4	90.9	59.0	33	0	04-11	1.0	20
GA09436-16LE12	113.3	95.3	61.2	38	0	04-14	1.0	13
TX15D9579	113.0	.	58.8	36	0	04-12	1.0	0
SY 547	112.9	.	58.6	43	0	04-20	0.0	0
WX18416	112.8	.	56.4	38	4	04-20	1.0	23
LW 2848	112.0	.	57.1	40	0	04-25	1.0	0
Dyna-Gro Plantation	111.9	.	60.0	33	3	04-10	1.0	16
15MDX20	111.8	104.4	58.1	37	0	04-16	1.0	15
AGS 3000	111.7	.	59.9	36	0	04-10	1.0	11

Athens, Georgia: Wheat Grain Performance, 2018-2019 (Continued)

Brand-Variety	Yield		Test		Lodging	Head Date	Awned	BYD Virus ¹
	2019	2-Yr Avg	Weight	Height				
	----- bu/acre -----		lb/bu	in	%	mo/day	0-1 scale	%
AGS 3040	111.6	105.3	58.3	39	0	04-13	0.0	3
26R41	111.3	116.7	58.5	36	0	04-23	1.0	3
TX15D9608	111.2	.	59.0	32	0	04-11	1.0	8
LA09225C-33-3	110.7	96.1	57.2	39	21	04-21	1.0	0
GA09377-16LE18	110.3	80.3	59.0	37	1	04-13	1.0	0
NC13-21213	109.4	97.9	59.0	38	10	04-15	0.0	5
GA141077-18ESc27F	109.2	.	58.1	34	0	04-11	1.0	3
Liberty 5658	109.2	.	58.9	37	0	04-14	1.0	10
GAMAS10-18LEDH16F	109.0	.	59.4	37	0	04-15	1.0	3
GAMAS27-07ADH33F	108.9	.	59.2	36	3	04-14	1.0	5
26R10	108.0	125.0	58.0	41	0	04-23	1.0	0
Dyna-Gro 9811	107.7	112.3	56.5	37	0	04-17	1.0	20
LA12080LDH-72	107.6	.	58.6	39	6	04-13	0.0	0
GA15328-18E52F	107.5	.	58.6	37	0	04-16	1.0	5
15MDX18	107.2	100.7	57.4	32	0	04-18	1.0	5
AGS 2038	107.0	.	59.4	45	4	04-17	1.0	0
15MW131	106.3	.	57.9	36	0	04-22	0.0	0
LA13235DH-19	104.8	.	60.5	34	0	04-12	1.0	0
USG 3118	104.6	89.5	56.9	32	4	04-14	0.4	0
ARLA07133C-19-4	104.2	.	58.8	42	0	04-25	1.0	18
GA Gore	104.1	78.9	57.5	41	8	04-13	0.1	0
USG 3329	104.1	115.8	57.4	39	4	04-22	1.0	5
LW Ex 19C	104.1	.	58.3	38	0	04-26	0.0	0
GoWheat LA754	103.7	82.3	58.3	37	0	04-13	1.0	6
AM473	103.6	109.3	56.8	39	0	04-23	1.0	5
NC15-21834	103.1	.	58.6	40	0	04-21	1.0	20
LW 2937	102.9	.	56.7	38	0	04-25	1.0	0
GA--MA33-18LE46	102.2	.	55.5	38	3	04-13	0.1	0
Dyna-Gro 9701	101.8	118.9	56.6	38	0	04-23	1.0	0
NC14-23372	101.0	103.0	58.9	36	0	04-17	1.0	13
26R94	100.9	84.6	59.2	37	0	04-14	1.0	0
26R59	99.4	109.8	55.7	33	0	04-21	0.0	0
USG 3536	98.8	111.5	57.0	40	0	04-23	1.0	0
ARLA06146E-1-4	98.5	.	60.5	43	0	04-12	1.0	3
GAMAS30-ESc43F	96.7	.	58.3	32	0	04-12	1.0	20
GA101004-17LE17	96.3	94.2	59.6	38	0	04-12	1.0	3
AGS 3030	92.2	89.9	57.6	34	0	04-13	0.0	0
GA14436LDH-18LE26	82.7	.	56.9	36	0	04-14	0.0	0
Average	113.5 ²	102.1	58.5	37	2	04-16	-	4
LSD at 10% Level	17.1	10.2	1.2	3	-	2	-	15
Std. Err. of Entry Mean	7.2	4.3	0.5	1	3	1	-	6.2
Model R-squared	0.39	0.79	0.67	0.61	0.32	0.93	0.99	0.31

1. Incidence of infected plants.

2. C.V. = 12.7%, and df for EMS = 268.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 29, 2018.

Harvested: June 5, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Chewacla silt loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre. Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony Extra used for weed control. Karate used for insect control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Plains, Georgia: Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging	Head
	2019	2-Yr Avg	Weight			Date
	----- bu/acre -----		lb/bu	in	%	mo/day
SX8186	88.5	.	58.4	36	5	04-06
AGS 2024	88.4	102.3	59.4	37	6	04-02
AGS 2038	88.3	100.9	60.3	42	5	04-07
GA10407-17E8	87.6	97.8	61.5	38	8	03-29
LCS L11544	86.9	.	61.9	38	7	03-29
GA10268-17LE16	86.8	103.3	59.1	39	5	04-07
GA131246LDH-18E35	86.4	.	61.2	38	9	03-29
LA09225C-33-3	86.3	102.1	62.1	39	6	03-31
#BERKELEY	86.0	106.0	58.5	36	5	04-09
GA10127-18E26	85.4	.	59.0	36	4	04-05
GA101298-17LE11	85.3	100.2	61.1	39	6	04-02
GAMAS30-ESc43F	85.2	.	60.4	35	5	03-23
GA--MA23-18LE43F	85.1	.	61.1	33	5	04-04
#FURY	84.9	98.1	58.5	35	5	04-09
GA101004-17LE17	84.7	103.6	63.0	38	5	04-03
GA071518-16E39	84.6	97.9	61.1	37	8	03-30
USG 3895	84.2	100.9	57.1	35	5	04-13
USG 3118	84.1	98.4	57.9	34	5	04-12
TX15D9579	83.6	.	59.5	38	9	03-28
GA14436LDH-18LE25	83.4	.	58.6	35	4	04-07
GAMAS10-18LEDH16F	82.8	.	61.9	38	5	04-05
PGX 18-2	82.8	.	59.8	34	5	04-08
AM481	82.7	.	61.9	37	9	03-30
GA09377-16LE18	82.4	101.2	60.4	39	6	03-31
GA--MA33-18LE46	82.3	.	57.6	40	6	03-28
GoWheat 2032	81.2	98.9	61.2	37	5	03-30
PGX 16-4	81.1	100.6	59.6	36	6	04-05
GA091291-16LE28	80.8	95.0	61.2	39	5	04-05
GA09129-16E55	80.6	94.4	62.6	38	8	03-31
GA101263-17LE19	80.3	90.4	60.7	37	5	04-04
AGS 3040	80.1	96.1	58.8	37	6	04-06
GA11656-17E12	79.9	102.3	59.2	37	5	03-29
GAMAS30-18ELDH29F	79.4	.	61.0	34	5	03-25
GAMAS27-07ADH33F	79.3	.	61.1	37	5	04-06
GA141077-18ESc27F	79.3	.	61.7	38	6	03-29
GAMAS23-18LE45F	78.9	.	62.2	38	4	04-06
GA12505B14-18LE23F	78.8	.	62.8	36	5	04-07
AGS 3000	78.8	84.3	62.4	34	13	03-23
LA12080LDH-72	78.8	.	58.9	38	11	04-02
15MDX20	78.8	95.1	61.1	36	5	04-03
15MDX19	78.6	.	60.9	35	5	04-06
#TURBO	78.6	94.6	58.2	35	4	04-12
AGS 3030	78.1	94.6	60.1	35	9	04-03
TX15D9597	78.1	.	62.9	37	6	03-29
Dyna-Gro 9811	78.0	100.3	57.5	37	5	04-13
SY Viper	77.9	103.1	57.7	37	10	04-13
NC13-21213	77.8	95.9	59.8	37	6	04-10
LA08080C-31-1	77.3	98.0	60.1	37	6	04-04
Dyna-Gro Plantation	76.6	.	62.7	36	6	03-30
GA15328-18E52F	76.5	.	62.2	36	6	04-06
SH 7200	76.4	.	60.2	37	8	04-07
GA14436LDH-18LE26	76.3	.	57.7	37	4	04-07
GA111007-18E45	76.2	.	63.1	35	5	03-30
ARLA06146E-1-4	76.1	.	61.2	42	9	04-04
GA14438LDH-18LE31	75.9	.	58.4	39	5	04-12

Plains, Georgia: Wheat Grain Performance, 2018-2019 (Continued)

Brand-Variety	Yield		Test		Lodging	Head Date
	2019	2-Yr Avg	Weight	Height		
	----- bu/acre -----		lb/bu	in	%	mo/day
USG 3640	75.5	97.4	61.2	37	4	03-29
GAMAS22-18ESc41F	75.5	.	60.0	36	8	04-04
15MDX18	75.4	90.4	61.3	33	5	04-06
26R94	75.3	95.3	61.8	40	3	03-31
GA11656-17E11	75.3	96.9	61.6	40	8	03-30
GA09436-16LE12	75.1	91.4	64.4	41	5	04-03
Exp 1906	74.7	.	57.6	36	8	04-15
TX15D9608	74.7	.	61.6	35	6	03-28
GA111093-17LE9	74.7	96.0	60.6	33	5	04-06
GA09589-17E22	74.0	97.1	60.2	33	5	03-28
PGX 18-7	73.8	.	59.7	36	5	04-17
GA--141077-18E53F	73.6	.	61.0	35	5	03-28
Liberty 5658	73.4	.	59.9	37	6	04-09
LA10191C-1	73.0	.	63.1	38	6	03-28
SH 5550	72.8	.	58.9	36	3	03-29
GoWheat LA754	72.7	86.9	60.4	39	6	04-01
LA13235DH-19	72.1	.	62.0	36	4	03-30
GA10559-17E14	71.8	93.6	61.6	37	4	03-30
KWS19X08	71.0	.	57.8	36	6	04-17
26R45	70.5	95.0	57.4	36	5	04-21
NC14-23372	68.4	88.7	62.8	36	5	04-11
15MDX5	68.3	75.9	62.7	35	14	04-04
26R41	67.8	90.8	58.2	34	5	04-18
PGX 18-8	67.3	.	57.3	32	5	04-18
GA Gore	65.8	70.4	58.2	37	19	04-01
USG 3539	65.5	.	58.3	36	5	04-22
26R59	65.4	90.9	54.3	30	4	04-18
SY 547	65.2	.	58.5	38	8	04-16
VA09MAS2-131-6-2	64.5	.	57.8	29	5	04-13
Dyna-Gro TV8861	63.1	88.9	57.7	33	5	04-18
26R10	63.1	88.3	55.2	35	5	04-19
SH 7510	62.9	.	56.7	33	6	04-18
#BULLET	62.2	84.4	57.3	36	5	04-21
15MW131	61.6	.	58.0	32	5	04-22
NC15-21834	60.9	.	57.6	37	9	04-17
#BLAZE	58.9	.	54.3	36	6	04-21
ARLA07133C-19-4	58.5	.	57.0	36	9	04-19
PGX 17-16	56.6	.	58.5	34	5	04-22
Average	76.4 ¹	95.1	59.9	36	6	04-06
LSD at 10% Level	8.9	5.5	1.0	2	-	1
Std. Err. of Entry Mean	3.8	2.4	0.4	1	1	-
Model R-squared	0.58	0.92	0.88	0.78	0.64	-

1. C.V. = 10.0%, and df for EMS = 276.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 30, 2018.

Harvested: June 5, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Plains, Georgia:

Wheat Grain Performance with Foliar Fungicide, 2018-2019

Brand-Variety	Yield		Test		Lodging	Head Date
	2019	2-Yr Avg	Weight	Height		
	----- bu/acre -----		lb/bu	in	%	mo/day
SX8186	99.2	.	59.7	36	4	04-07
GA131246LDH-18E35	98.1	.	62.0	37	10	04-01
AGS 2038	97.7	110.5	61.9	42	5	04-06
LA09225C-33-3	97.6	106.8	61.6	38	6	04-07
GA10268-17LE16	97.5	109.3	60.5	39	9	04-07
#FURY	97.3	114.5	59.6	37	5	04-09
GA10127-18E26	97.0	.	60.8	37	4	04-08
AGS 3040	96.1	107.8	60.5	38	6	04-06
GA15328-18E52F	95.9	.	62.7	37	5	04-07
LA08080C-31-1	94.6	106.4	61.2	37	5	04-06
GA111093-17LE9	94.5	105.3	62.5	36	4	04-08
NC13-21213	93.3	104.3	61.4	37	6	04-12
15MDX20	93.1	104.3	62.1	36	5	04-04
GoWheat 2032	93.0	104.1	63.1	37	5	03-30
GA101004-17LE17	92.9	108.7	63.3	38	4	04-02
AGS 2024	92.1	110.0	60.4	36	4	03-31
GA--MA23-18LE43F	92.0	.	62.8	32	3	04-03
GA11656-17E12	91.9	107.2	61.0	38	6	03-28
AM481	91.8	.	62.8	37	5	04-04
SH 7200	91.7	.	62.0	39	8	04-08
GA101298-17LE11	91.6	106.2	62.8	40	6	04-05
GA09377-16LE18	91.5	106.2	62.2	39	6	04-03
Dyna-Gro Plantation	90.8	.	62.6	37	5	04-02
GAMAS22-18ESc41F	90.7	.	61.1	37	9	04-01
GA09589-17E22	90.7	107.4	61.8	34	5	03-28
GA14436LDH-18LE25	90.7	.	60.7	34	5	04-07
USG 3895	90.5	108.5	59.2	34	5	04-13
GA09129-16E55	90.1	99.8	63.8	38	6	03-27
GA091291-16LE28	90.0	105.8	62.4	40	5	04-05
15MDX19	89.9	.	62.9	36	5	04-06
SY Viper	89.8	112.3	59.2	37	10	04-12
GA10559-17E14	89.3	102.1	62.6	37	5	03-30
GA11656-17E11	89.1	105.0	62.9	40	6	04-01
26R94	88.6	105.9	63.5	41	6	04-01
GAMAS10-18LEDH16F	88.5	.	63.3	38	5	04-08
GA12505B14-18LE23F	88.0	.	62.4	38	3	04-07
GA101263-17LE19	87.8	104.8	62.0	35	4	04-04
#BERKELEY	87.8	103.5	60.3	35	4	04-11
GAMAS30-18ELDH29F	86.8	.	61.6	35	4	03-27
GA071518-16E39	86.8	102.2	62.2	36	4	03-30
GAMAS23-18LE45F	85.9	.	63.2	37	4	04-06
GA111007-18E45	85.9	.	63.3	35	5	03-29
26R45	85.8	101.5	59.0	37	5	04-21
AGS 3030	85.5	98.6	61.6	35	8	03-30
LA10191C-1	85.3	.	64.0	37	8	03-29
USG 3640	84.9	106.1	63.3	39	4	04-02
PGX 18-7	84.9	.	61.1	36	5	04-17
PGX 16-4	84.8	104.3	60.6	36	8	04-07
GA09436-16LE12	84.7	97.0	64.8	41	4	04-01
GA--MA33-18LE46	84.5	.	58.2	38	7	03-30
GA14436LDH-18LE26	84.3	.	59.4	37	4	04-06
LA12080LDH-72	83.8	.	59.8	37	9	03-30
15MDX18	83.5	97.6	62.4	31	4	04-09
Liberty 5658	83.4	.	61.4	37	6	04-10
15MDX5	82.9	90.4	63.8	37	13	04-03

Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2018-2019
(Continued)

Brand-Variety	Yield		Test Weight	Height	Lodging	Head Date
	2019	2-Yr Avg				
	----- bu/acre -----		lb/bu	in	%	mo/day
GA141077-18ESc27F	82.9	.	62.2	37	4	03-28
ARLA06146E-1-4	82.8	.	62.7	43	5	04-05
LCS L11544	82.7	.	63.3	38	4	03-28
PGX 18-2	82.3	.	59.4	33	5	04-11
TX15D9597	82.0	.	62.9	38	5	03-29
GoWheat LA754	81.8	90.0	61.6	38	9	04-04
Dyna-Gro TV8861	81.5	103.3	60.8	35	4	04-18
26R10	80.7	101.4	58.4	35	3	04-19
TX15D9579	79.9	.	60.6	36	4	03-29
USG 3118	79.7	100.8	59.2	33	4	04-12
KWS19X08	79.4	.	59.4	36	5	04-17
GA14438LDH-18LE31	79.1	.	58.7	39	3	04-14
GAMAS30-ESc43F	79.0	.	61.6	34	4	03-27
GA--141077-18E53F	78.9	.	63.1	34	4	03-27
SH 5550	78.9	.	60.0	36	2	03-29
SY 547	78.8	.	59.3	40	11	04-15
Dyna-Gro 9811	78.7	101.6	58.9	36	5	04-14
PGX 18-8	78.3	.	59.7	34	5	04-16
#TURBO	78.0	97.9	59.3	35	2	04-13
NC14-23372	77.8	95.9	63.3	36	5	04-09
LA13235DH-19	77.1	.	63.2	37	4	03-30
VA09MAS2-131-6-2	76.7	.	57.6	31	5	04-13
GA10407-17E8	76.6	93.5	61.8	37	3	03-30
TX15D9608	76.2	.	61.8	34	4	03-28
GAMAS27-07ADH33F	75.8	.	61.3	36	4	04-07
GA Gore	75.6	83.8	59.5	38	19	03-29
26R59	74.8	100.6	56.3	31	4	04-18
Exp 1906	74.7	.	58.2	35	6	04-15
#BULLET	73.8	92.7	58.9	37	4	04-21
#BLAZE	72.7	.	58.0	36	5	04-21
26R41	72.5	94.6	59.3	33	4	04-18
AGS 3000	70.9	80.4	63.3	35	13	03-24
USG 3539	68.2	.	59.5	34	4	04-21
NC15-21834	67.8	.	59.6	38	11	04-17
15MW131	67.3	.	58.6	32	4	04-22
PGX 17-16	67.2	.	60.8	36	4	04-22
SH 7510	64.7	.	58.9	33	6	04-18
ARLA07133C-19-4	61.7	.	58.5	36	6	04-18
Average	84.4 ¹	102.2	61.1	36	5	04-07
LSD at 10% Level	8.8	6.1	1.1	2	-	1
Std. Err. of Entry Mean	3.8	2.6	0.5	1	1	-
Model R-squared	0.63	0.88	0.84	0.80	0.66	-

1. C.V. = 9.0%, and df for EMS = 276.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 30, 2018.

Harvested: June 6, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control. Prosario used for disease control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Midville, Georgia: Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test			Head Date
	2019	2-Yr Avg	Weight	Height	Lodging	
	----- bu/acre -----		lb/bu	in	%	mo/day
GAMAS30-18ELDH29F	104.6	.	62.1	35	11	03-27
#FURY	101.8	105.1	59.8	36	34	04-05
USG 3640	100.5	98.4	63.2	38	10	04-01
GAMAS30-ESc43F	100.2	.	63.5	35	5	03-27
Dyna-Gro Plantation	98.7	.	62.4	36	16	03-30
AM481	98.1	.	62.0	34	16	04-02
GA101263-17LE19	98.0	96.7	62.4	36	8	04-05
GA131246LDH-18E35	97.8	.	62.6	38	50	04-04
GA11656-17E12	97.8	.	61.7	38	15	04-01
LA12080LDH-72	97.7	.	62.6	38	48	04-03
GA10127-18E26	97.4	87.6	59.8	38	16	04-06
SX8186	97.2	.	60.2	36	13	04-05
GA09589-17E22	97.1	98.4	61.7	34	6	03-29
AGS 3000	97.1	85.7	64.1	35	15	03-25
GA09377-16LE18	96.3	101.4	62.1	39	9	03-31
GA--MA33-18LE46	95.9	104.2	59.0	40	23	04-01
GA15328-18E52F	95.9	.	61.8	38	40	04-07
GA--MA23-18LE43F	95.2	87.4	62.0	35	11	04-03
PGX 16-4	95.1	104.2	60.7	37	41	04-07
AGS 2024	94.7	101.0	62.1	38	18	04-04
GA10407-17E8	94.4	.	61.7	36	15	04-01
LCS L11544	94.4	.	62.4	35	23	03-30
GA11656-17E11	94.2	.	63.4	39	23	04-02
GA111007-18E45	94.0	97.9	64.1	38	6	04-02
GA09436-16LE12	93.9	100.1	64.8	41	11	04-05
SH 5550	93.6	.	62.1	36	11	03-31
#BERKELEY	93.0	100.0	58.6	36	16	04-07
GA10559-17E14	92.9	95.0	61.4	37	10	04-01
GA101004-17LE17	92.9	.	63.5	36	16	04-04
Liberty 5658	92.7	.	60.8	37	16	04-09
GA141077-18ESc27F	92.6	.	63.4	38	10	03-31
GA071518-16E39	92.6	87.7	62.4	36	34	04-03
AGS 2038	92.6	91.6	61.9	44	14	04-06
GA09129-16E55	92.5	101.0	64.0	37	10	03-30
26R94	92.3	98.6	62.8	40	29	04-01
AGS 3040	92.2	98.3	59.0	38	29	04-05
15MDX20	91.8	96.1	60.6	35	10	04-06
GA091291-16LE28	91.4	97.2	60.8	40	9	04-06
TX15D9579	90.6	.	61.3	38	18	04-01
GA101298-17LE11	90.0	92.8	61.9	39	68	04-05
GoWheat 2032	89.1	84.9	62.5	37	14	04-03
AGS 3030	89.0	95.3	61.6	37	23	04-01
GA--141077-18E53F	89.0	78.6	62.6	34	15	03-31
LA08080C-31-1	88.5	93.1	59.3	36	11	04-05
GA12505B14-18LE23F	88.5	.	60.4	37	59	04-08
TX15D9597	88.4	.	62.8	37	24	04-01
15MDX19	87.9	.	59.8	37	11	04-06
SH 7200	87.7	.	60.4	38	58	04-05
GAMAS22-18ESc41F	87.1	.	61.6	38	24	04-02
#TURBO	86.9	93.1	58.3	37	11	04-11
SY Viper	86.2	95.7	56.9	39	34	04-11
GA111093-17LE9	85.8	93.2	60.0	35	20	04-07
GAMAS27-07ADH33F	85.0	.	59.7	38	4	04-08
GAMAS23-18LE45F	84.9	.	60.7	39	20	04-06
USG 3118	84.7	100.0	55.8	33	8	04-11

Midville, Georgia: Wheat Grain Performance, 2018-2019 (Continued)

Brand-Variety	Yield		Test			Head
	2019	2-Yr Avg	Weight	Height	Lodging	Date
	-----	bu/acre -----	lb/bu	in	%	mo/day
PGX 18-2	84.0	.	59.5	34	15	04-08
ARLA06146E-1-4	83.7	.	60.0	41	30	04-06
GAMAS10-18LEDH16F	83.4	.	60.9	39	20	04-08
NC14-23372	82.6	92.9	61.0	37	6	04-07
GA10268-17LE16	82.6	101.4	57.8	38	53	04-08
GA14436LDH-18LE26	82.4	.	58.6	37	5	04-11
GA14436LDH-18LE25	82.4	.	54.7	37	4	04-09
NC13-21213	82.2	83.1	59.5	38	16	04-08
VA09MAS2-131-6-2	81.8	.	56.2	30	9	04-12
GoWheat LA754	81.3	78.7	61.4	38	25	04-03
TX15D9608	81.1	.	61.1	33	6	03-29
15MDX5	81.1	82.8	63.1	38	58	04-02
15MDX18	79.8	86.2	58.4	34	8	04-09
GA Gore	79.6	.	58.8	39	64	04-02
LA09225C-33-3	77.1	83.9	56.9	38	59	04-04
USG 3895	76.9	85.5	54.9	33	5	04-11
LA10191C-1	76.6	.	62.8	37	5	03-30
LA13235DH-19	72.9	.	62.6	36	8	04-03
GA14438LDH-18LE31	72.8	.	54.5	39	5	04-12
26R45	71.6	80.4	57.5	36	6	04-21
KWS19X08	70.7	.	56.6	35	15	04-17
Dyna-Gro 9811	69.7	93.1	53.7	37	4	04-12
#BULLET	68.6	78.4	54.3	36	4	04-20
PGX 18-8	68.6	.	56.1	34	9	04-17
Dyna-Gro TV8861	68.3	87.9	57.2	35	4	04-18
26R10	68.3	85.3	53.3	36	4	04-20
PGX 18-7	65.5	.	56.0	36	10	04-17
Exp 1906	65.1	.	53.6	36	8	04-14
#BLAZE	64.8	.	54.0	37	4	04-20
26R41	64.0	78.4	56.8	34	5	04-18
26R59	63.8	75.9	52.3	30	6	04-17
PGX 17-16	60.8	.	59.0	35	6	04-22
15MW131	59.8	.	55.8	31	15	04-22
USG 3539	59.5	.	57.5	35	5	04-22
SY 547	58.5	.	56.7	37	19	04-18
NC15-21834	57.4	.	55.2	38	13	04-17
SH 7510	54.4	.	54.3	32	16	04-18
ARLA07133C-19-4	52.5	.	56.9	36	15	04-19
Average	84.5 ¹	92.0	59.8	36	18	04-07
LSD at 10% Level	5.2	6.5	1.3	2	-	1
Std. Err. of Entry Mean	2.2	2.8	0.6	1	6	-
Model R-squared	0.91	0.75	0.91	0.77	0.72	-

1. C.V. = 5.3%, and df for EMS = 276.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 29, 2018.

Harvested: May 30, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Dothan loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.2.

Fertilization: Preplant: 30 lb N, 46 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 76 lb N/acre.

Management: Conventional tillage. Harmony Extra and 2-4,D amine used for weed control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Tifton, Georgia: Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test			Head	Diseases			
	2019	2-Yr Avg	Weight	Height	Lodging	Date	Scab ¹	Rust ²	Septoria ³	Mildew ⁴
	----- bu/acre -----		lb/bu	in	%	mo/day	%	%	0-10 scale	%
GA11656-17E12	105.3	105.2	60.9	39	6	03-23	1.5	0	0	0
GA09377-16LE18	103.6	107.6	59.4	37	6	03-23	3	0	0.05	0
GA071518-16E39	103.4	96.9	60.3	35	15	03-23	1	0	4.5	0
LCS L11544	101.7	.	62.6	38	13	03-28	0.55	0	0.05	0
GA131246LDH-18E35	100.1	.	61.1	36	11	03-28	2	0	0.05	0
Dyna-Gro Plantation	99.6	.	62.4	37	5	03-27	0.1	0	0	0
GA--MA23-18LE43F	99.6	.	61.4	34	13	03-27	0.1	0	0	0
AM481	99.3	.	62.2	36	13	04-02	0.1	0	0	0
GAMAS30-ESc43F	97.8	.	60.1	35	6	03-22	1	0	3.5	0
USG 3640	97.6	102.3	61.8	40	10	03-24	1	0	2.5	0
GA--141077-18E53F	97.5	.	62.8	36	8	03-21	0.5	0.05	0	0
AGS 2024	97.4	106.6	59.2	36	15	03-24	2	0	0	0
TX15D9579	95.8	.	59.7	36	11	03-23	4	0	0	0
GA10127-18E26	95.3	.	60.3	37	5	04-02	0	0	0	40
GA091291-16LE28	95.2	91.8	60.9	41	8	03-28	0.05	0	0	0
GA10559-17E14	94.9	104.6	58.8	36	5	03-23	0.1	0	1.5	0
GA101004-17LE17	94.6	97.6	61.9	40	10	03-25	0.55	0	0.05	0
AGS 3040	94.3	87.9	58.9	38	26	04-05	0.05	0	0	0.1
AGS 3030	94.1	94.0	60.2	36	14	03-24	4	0	0.05	0
TX15D9597	93.8	.	62.1	38	9	03-27	1	0	0	0
SH 5550	93.3	.	59.9	38	6	03-23	11.5	0	3	0
GAMAS30-18ELDH29F	93.1	.	60.2	33	8	03-27	0	0	1.5	0
GoWheat LA754	92.5	88.7	61.1	40	18	03-28	2	0	0.05	0.05
15MDX19	92.5	.	61.7	37	8	04-01	0	0	0	0.05
LA12080LDH-72	92.2	.	60.6	39	21	03-28	1	0	0.05	0
GA15328-18E52F	91.7	.	62.7	38	30	04-03	0.05	0	0.5	10
Liberty 5658	91.7	.	61.4	40	6	04-06	0.05	0	1	0
GA--MA33-18LE46	90.8	.	57.5	38	13	03-29	1	0	0.55	0
GAMAS22-18ESc41F	90.6	.	60.8	39	16	03-29	0	0	0.05	0
GA141077-18ESc27F	90.2	.	60.3	35	15	03-23	1.05	0	1.05	0
TX15D9608	89.8	.	60.5	35	6	03-22	2	0	0	0
15MDX5	89.7	89.9	63.0	38	61	03-28	0.1	0	0.05	0
GA09129-16E55	89.0	94.2	61.5	37	11	03-23	0.55	0	0.55	0
GA11656-17E11	89.0	94.3	61.5	41	23	03-26	0.55	0	1.5	0
SX8186	89.0	.	59.5	36	11	04-08	0	0	0	0
AGS 3000	87.9	93.6	61.4	35	11	03-16	3	0	4	0
15MDX20	87.8	91.9	60.7	37	13	04-02	0	0	0.5	0
LA10191C-1	87.5	.	62.6	37	14	03-24	0.55	0	0	0
GA10407-17E8	87.1	90.4	60.7	37	14	03-26	1	0	0.55	0
GA09589-17E22	87.0	100.1	60.0	33	10	03-17	4.5	0	0.5	0
PGX 16-4	86.9	93.5	60.6	39	16	04-08	0.05	0	0	0
GA101263-17LE19	86.1	88.0	60.9	36	6	03-28	0.1	0	0.55	0
LA13235DH-19	86.0	.	62.8	38	6	03-27	1	0	0.55	0
GA111007-18E45	85.8	.	61.8	36	11	03-28	0.1	0	0.05	0
GA101298-17LE11	85.5	86.7	61.3	40	43	03-27	0.55	0	0	0
GAMAS23-18LE45F	85.4	.	61.0	39	14	04-02	0.1	0	0.55	0
#BERKELEY	85.0	96.2	57.9	35	9	04-09	0	0	0	0
AGS 2038	84.3	90.0	60.2	43	16	03-29	4.5	0	0	0
#FURY	83.6	89.8	59.2	38	13	04-05	0.05	0	0	0
GAMAS27-07ADH33F	83.5	.	59.6	39	10	04-06	0	0	0	0
PGX 18-2	83.3	.	59.5	35	19	04-11	0	0	0.05	0.05
GA10268-17LE16	82.9	85.8	59.6	38	49	04-03	1	0	1.05	0
LA08080C-31-1	82.6	86.8	57.8	35	10	04-02	0.1	0	0	0
LA09225C-33-3	82.3	85.9	60.7	38	33	03-28	0.1	0	0	0
26R94	82.2	92.4	61.6	40	11	03-25	0.55	0	0.55	0

Tifton, Georgia:
Wheat Grain Performance, 2018-2019 (Continued)

Brand-Variety	Yield		Test			Head Date mo/day	Diseases			
	2019	2-Yr Avg	Weight	Height	Lodging		Scab ¹	Rust ²	Septoria ³	Mildew ⁴
	----- bu/acre -----		lb/bu	in	%		%	%	0-10 scale	%
GoWheat 2032	79.6	86.7	60.8	35	11	03-23	1.05	0	0.1	0
#TURBO	77.9	92.4	58.8	36	5	04-12	0	0	0	0
GA09436-16LE12	77.6	88.1	64.0	40	6	03-26	0.55	0	1.5	0
GA12505B14-18LE23F	77.2	.	60.9	38	20	04-11	0	0	0	0
NC14-23372	76.7	86.9	60.8	36	19	04-06	0	0	0.05	0
SH 7200	76.3	.	61.2	38	34	04-06	0.05	0	0	0
USG 3895	75.3	82.4	56.8	32	8	04-13	0	0	0	2.5
ARLA06146E-1-4	74.0	.	60.1	45	20	04-04	0	0	0.05	0
15MDX18	72.7	77.9	60.2	33	8	04-11	0	0	0.1	0
USG 3118	71.4	87.0	56.1	33	9	04-11	0	0	0	0
GA111093-17LE9	70.4	81.1	60.0	34	11	04-06	0	0	0.5	0
GAMAS10-18LEDH16F	65.5	.	60.3	36	24	04-11	0	0	0	0
GA Gore	65.2	71.7	55.9	40	33	03-24	1.5	0	3.5	0
GA14436LDH-18LE25	64.9	.	56.9	36	6	04-02	0	0	0.05	0
Dyna-Gro 9811	63.9	85.0	54.9	36	6	04-15	0	0	0.05	0
NC13-21213	63.1	71.6	57.9	36	19	04-12	0	0	0	0
SY Viper	62.8	79.4	54.3	36	55	04-13	0	0.5	0	0
KWS19X08	62.1	.	57.7	36	13	04-17	0	0	0	0
PGX 18-7	61.6	.	58.3	37	13	04-16	0	0	0	0
VA09MAS2-131-6-2	61.5	.	56.7	32	13	04-14	0	0	0	0
GA14436LDH-18LE26	58.3	.	55.1	35	15	04-09	0	0	0	0
GA14438LDH-18LE31	57.3	.	55.9	39	8	04-17	0	0	1.5	0
PGX 18-8	54.9	.	55.6	32	9	04-19	0	0	0	0
26R41	54.0	70.4	56.2	33	15	04-17	0	0	0	0
#BULLET	53.7	70.8	53.5	34	10	04-22	0	0	1.55	0
Exp 1906	51.5	.	56.3	36	18	04-15	0	0	0	0
26R59	51.3	76.9	52.1	29	4	04-18	0	0.05	0	0
ARLA07133C-19-4	50.9	.	57.2	36	10	04-20	0	0	0.05	0.55
Dyna-Gro TV8861	50.7	72.8	58.3	34	9	04-20	0	30	0	0
26R45	49.9	68.2	55.9	36	19	04-21	0	0	0	0
15MW131	48.2	.	56.8	33	34	04-22	0	0	0	0
USG 3539	45.9	.	56.2	34	6	04-22	0.05	0	2	0
26R10	45.4	62.9	55.5	33	18	04-20	0	0.1	0	0
#BLAZE	41.8	.	55.8	36	25	04-22	0	0	0.5	0
PGX 17-16	41.7	.	56.2	33	9	04-24	0	0	0	0
NC15-21834	41.4	.	56.2	35	38	04-17	0	0	0	0
SH 7510	37.8	.	55.6	32	36	04-17	0	0	0	0
SY 547	36.5	.	57.0	37	53	04-13	0	0	0.05	0
Average	78.7 ⁵	88.0	59.3	36	16	04-04	0.67	0.33	0.48	0.57
LSD at 10% Level	10.5	8.0	1.6	2	-	1	-	-	-	-
Std. Err. of Entry Mean	4.5	3.4	0.7	1	5	-	0.68	1.50	0.38	0.75
Model R-squared	0.85	0.76	0.83	0.77	0.69	-	0.71	0.69	0.75	0.94

Tifton, Georgia:

Wheat Grain Performance, 2018-2019 (Continued)

1. Fusarium Head Blight evaluated on April 23, 2019, percent incidence.
2. Leaf rust whole-plant ratings on April 23, 2019, percent severity.
3. Whole-plant ratings on April 23, 2019, 0 = absent, 10 = most severe
4. Whole-plant ratings on April 23, 2019, percent severity.
5. C.V. = 11.4%, and df for EMS = 273.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 27, 2018.

Harvested: May 24, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P_2O_5 , and 50 lb K_2O /acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Warrior used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Plains, Georgia: Late-Planted Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging
	2019	2-Yr Avg	Weight		
	----- bu/acre -----		lb/bu	in	%
AGS 3000	74.4	93.1	60.2	35	5
GA071518-16E39	70.6	.	58.5	34	5
GA09377-16LE18	70.6	.	56.7	36	3
USG 3640	69.8	.	58.6	36	2
SH 5550	69.5	.	58.1	34	5
AGS 2038	67.9	.	58.8	37	4
GoWheat 2032	66.9	87.3	59.0	35	5
AGS 2024	66.3	.	59.1	33	5
26R94	63.5	83.3	59.2	38	2
GA09129-16E55	61.2	.	59.8	34	5
AGS 3030	61.2	85.2	56.7	33	4
LA08080C-31-1	59.6	.	58.4	33	4
15MDX20	33.3	.	50.7	34	9
15MDX5	31.6	.	48.9	32	4
26R59	.	.	.	23	0
Dyna-Gro 9811	.	.	.	30	4
Average	61.9 ¹	87.2	57.5	33	4
LSD at 10% Level	7.0	6.0	2.2	2	-
Std. Err. of Entry Mean	3.0	2.5	0.9	1	1
Model R-squared	0.87	0.92	0.81	0.87	0.75

1. C.V. = 9.5%, and df for EMS = 39.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: January 11, 2019.

Harvested: June 6, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Note: A combination of late planting dates due to wet fields and a warm winter resulted in vernalization problems. Some varieties failed to head, while others did not head well. Varieties were chosen for this test based on their earliness under normal conditions.

Plains, Georgia: Late-Planted Wheat Grain Performance with Foliar Fungicide, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging
	2019	2-Yr Avg	Weight		
	----- bu/acre -----		lb/bu	in	%
AGS 3000	76.0	90.0	60.9	34	5
USG 3640	71.9	.	58.5	37	4
GA09377-16LE18	70.4	.	57.1	37	3
AGS 2038	70.2	.	59.7	39	5
GA09129-16E55	70.1	.	60.9	36	5
GoWheat 2032	70.1	92.9	59.1	35	5
AGS 2024	69.2	.	59.1	32	5
SH 5550	69.1	.	59.1	32	4
26R94	68.8	93.0	60.2	38	2
GA071518-16E39	66.8	.	59.5	34	3
LA08080C-31-1	62.9	.	59.0	33	4
AGS 3030	62.2	86.8	57.3	33	5
15MDX20	39.1	.	53.8	35	5
15MDX5	33.3	.	52.5	33	8
26R59	.	.	.	23	0
Dyna-Gro 9811	.	.	.	30	5
Average	64.2 ¹	90.7	58.3	34	4
LSD at 10% Level	5.1	NS	1.3	1	-
Std. Err. of Entry Mean	2.1	2.0	0.5	1	1
Model R-squared	0.92	0.95	0.88	0.94	0.74

1. C.V. = 6.6%, and df for EMS = 38.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: January 11, 2019.

Harvested: June 6, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control. Prosario used for disease control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Note: A combination of late planting dates due to wet fields and a warm winter resulted in vernalization problems. Some varieties failed to head, while others did not head well. Varieties were chosen for this test based on their earliness under normal conditions. Yields in this test are not predictive of varietal performance under typical conditions.

Tifton, Georgia:

Late-Planted Wheat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging	Head
	2019	2-Yr Avg	Weight			Date
	-----	bu/acre	-----			lb/bu
GA09377-16LE18	54.4	.	52.5	33	6	04-18
USG 3640	51.1	.	54.0	33	8	04-20
GA071518-16E39	50.0	.	54.4	31	11	04-24
AGS 2038	47.3	.	55.0	34	18	04-19
AGS 2024	47.1	.	55.4	29	18	04-24
GoWheat 2032	45.6	63.4	55.8	31	13	04-24
AGS 3000	44.8	66.4	52.1	30	14	04-13
SH 5550	41.5	.	53.6	30	13	04-22
GA09129-16E55	41.3	.	54.5	30	10	04-21
26R94	40.6	64.5	52.9	33	13	04-21
AGS 3030	34.2	61.8	50.4	27	15	04-24
LA08080C-31-1	28.8	.	51.4	28	15	04-24
15MDX20	.	.	.	27	33	04-24
15MDX5	.	.	.	28	39	04-24
26R59	.	.	.	.	.	.
Dyna-Gro 9811	.	.	.	.	.	.
Average	43.9 ¹	64.0	53.5	30	16	04-22
LSD at 10% Level	6.2	NS	1.4	2	-	1
Std. Err. of Entry Mean	2.6	3.7	0.6	1	3	-
Model R-squared	0.89	0.86	0.84	0.80	0.82	-

1. C.V. = 11.7%, and df for EMS = 33.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: January 14, 2019.

Harvested: May 24, 2019.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Warrior used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Note: A combination of late planting dates due to wet fields and a warm winter resulted in vernalization problems. Some varieties failed to head, while others did not head well. Varieties were chosen for this test based on their earliness under normal conditions. Yields in this test are not predictive of varietal performance under typical conditions.

Plains, Georgia: Dual-Purpose Wheat Performance, 2018-2019

Brand-Variety	Forage Yield	Grain Yield	Test		Lodging	Head
	1-10-19	6-4-19	Weight	Height		Date
	lb/ac	bu/ac	lb/bu	in	%	mo/day
26R45	610	95.0	58.0	38	35	04-01
Dyna-Gro TV8861	653	90.0	60.6	37	40	04-01
Dyna-Gro 9811	686	86.8	58.9	37	11	03-28
USG 3895	479	86.8	59.2	34	16	03-28
GA09436-16LE12	958	76.3	59.7	40	6	03-19
GrazeALL	850	74.3	59.7	34	6	03-18
SY Viper	752	71.5	60.6	36	29	03-20
GA091291-16LE28	501	71.0	57.7	38	19	03-21
USG 3640	806	68.5	59.5	37	5	03-17
#BERKELEY	599	67.5	57.5	34	9	03-22
Johnson	566	67.0	57.0	31	16	03-19
Average	678	78.0	58.9	36	18	03-24
LSD at 10% Level	175	10.1	2.2	2	-	1
Std. Err. of Entry Mean	73	4.2	0.6	1	5	-
Model R-squared	0.70	0.66	0.40	0.75	0.72	0.99

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: October 19, 2018.

Seeding Rate: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Headland, Alabama: Dual-Purpose Wheat Performance, 2018-2019

Brand-Variety	Forage Yield				Grain Yield
	2-7-19	3-20-19	5-7-19	Season Total	6-4-19
	----- lb/ac -----				bu/ac
Dyna-Gro 9811	252	595	981	1828	68.0
26R45	314	749	925	1988	52.3
SY Viper	203	574	977	1754	48.8
GA091291-16LE28	138	575	1400	2112	42.8
GA09436-16LE12	645	752	1429	2826	37.0
#BERKELEY	397	888	1057	2342	35.7
USG 3640	261	653	1410	2324	20.8
Average	315	684	1168	2168	40
LSD at 10% Level	NS	NS	166	458	NS
Std. Err. of Entry Mean	123	91	68	187	13
Model R-squared	0.47	0.37	0.83	0.64	0.39

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Triticale and Rye

Regional Yield Summary:

Triticale and Rye Grain Performance, Georgia, 2018-2019

Company or		North ¹		South ²		Statewide	
Brand Name	Variety	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg
----- bu/acre -----							
<u>Triticale</u>							
ProGene	ACS 14401	77.9	.	31.7	.	54.8	.
ProGene	Bolt	46.6	.	32.5	.	39.5	.
ProGene	FR 2260	53.5	.	.	.	.	.
ProGene	Wintermax	89.9	.	46.1	.	68.0	.
TriCal	TriCal 342	121.7	79.6	82.4	.	102.1	79.1
TriCal	TriCal Merlin Max	76.3	78.6	28.6	49.6	52.5	64.1
TriCal	TriCal Surge	70.3	70.5	47.5	57.4	58.9	64.0
UF	FL01143	122.0	82.0	71.4	68.7	96.7	75.4
UF	FL08091	97.1	.	52.9	.	75.0	.
UF	FL08094	115.9	.	66.0	.	91.0	.
UF	FL08128	128.2	86.6	78.7	90.9	103.4	88.8
UF	Monarch	117.9	.	70.2	.	94.0	.
Average		93.1	79.5	55.3	69.0	75.0	74.3
LSD at 10% Level		9.0	6.0	9.3	11.1	6.7	15.4
Std. Err. of Entry Mean		3.3	2.5	3.9	4.6	2.7	6.7
Model R-squared		0.95	0.96	0.89	0.74	0.95	0.23
<u>Rye</u>							
GSDC	Wrens Abruzzi	41.6	46.5	29.4	34.9	35.5	40.7
Noble	Bates RS4	55.3	57.4	20.8	33.8	38.0	45.6
Noble	Elbon	37.0	.	10.5	.	23.7	.
Noble	NF95319B	59.6	55.7	23.7	39.8	41.6	47.7
Noble	NF97325	53.8	51.1	18.8	29.6	36.3	40.3
Noble	NF99362	47.5	.	20.2	.	33.9	.
Pennington	Wintergrazer 70	38.9	.	9.8	.	24.3	.
TriCal	Exp 19R01	59.4	.	25.7	.	42.5	.
TriCal	Exp 19R02	53.4	.	21.4	.	37.4	.
UF	FL 104	66.3	53.3	39.3	45.2	52.8	49.3
UF	FL 2X 405	66.0	.	33.3	.	49.6	.
UF	FL 401	57.6	.	36.1	.	46.8	.
Average		53.0	52.8	24.1	36.7	38.5	44.7
LSD at 10% Level		10.2	6.3	8.2	7.7	7.1	7.0
Std. Err. of Entry Mean		4.2	2.6	3.4	3.2	3.0	3.0
Model R-squared		0.66	0.58	0.76	0.71	0.84	0.42

1. Athens.

2. Tifton.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Triticale yields are calculated as 32 pounds per bushel at 12.5% moisture.

Rye yields are calculated as 56 pounds per bushel at 13% moisture.

Athens, Georgia: Triticale and Rye Grain Performance, 2018-2019

Brand-Variety	Yield		Test		Lodging	Head Date
	2019	2-Yr Avg	Weight	Height		
	----- bu/acre -----		lb/bu	in	%	mo/day
Triticale						
FL08128	128.2	86.6	55.9	56	3	04-06
FL01143	122.0	82.0	51.0	55	4	04-06
TriCal 342	121.7	79.6	50.3	51	0	04-07
Monarch	117.9	.	51.6	54	0	04-10
FL08094	115.9	.	51.5	60	4	04-06
FL08091	97.1	.	49.6	52	0	04-15
Wintermax	89.9	.	49.9	43	0	04-07
ACS 14401	77.9	.	48.5	58	0	04-26
TriCal Merlin Max	76.3	78.6	44.0	57	0	04-24
TriCal Surge	70.3	70.5	41.0	61	11	04-24
FR 2260	53.5	.	43.8	59	14	04-21
Bolt	46.6	.	37.6	51	4	04-20
Average	93.1 ¹	79.5	48.2	55	3	04-15
LSD at 10% Level	9.0	6.0	1.2	2	-	1
Std. Err. of Entry Mean	3.8	2.5	0.5	1	4	-
Model R-squared	0.95	0.96	0.97	0.91	0.38	-
Rye						
FL 104	66.3	53.3	51.0	77	39	.
FL 2X 405	66.0	.	51.0	80	50	.
NF95319B	59.6	55.7	49.8	75	75	.
Exp 19R01	59.4	.	48.0	73	76	.
FL 401	57.6	.	50.0	80	38	.
Bates RS4	55.3	57.4	48.5	78	81	.
NF97325	53.8	51.1	47.6	75	71	.
Exp 19R02	53.4	.	47.0	78	88	.
NF99362	47.5	.	43.7	70	88	.
Wrens Abruzzi	41.6	46.5	41.6	72	95	.
Wintergrazer 70	38.9	.	36.9	68	93	.
Elbon	37.0	.	36.6	65	96	.
Average	53.0 ²	52.8	46.0	74	74	-
LSD at 10% Level	10.2	6.3	4.7	4	-	-
Std. Err. of Entry Mean	4.2	2.6	2.0	2	8	-
Model R-squared	0.66	0.58	0.71	0.74	0.72	-

1. C.V. = 8.1%, and df for EMS = 33.

2. C.V. = 16.0%, and df for EMS = 33.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 20, 2018.

Harvested: June 5, 2019

Seeding Rate: Triticale: 1.6 million seeds/acre (22 seeds/linear foot in 7" rows).

Rye: 1.3 million seeds/acre (18 seeds/linear foot in 7" rows).

Soil Type: Wickham sandy loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre.

Topdress: 60 (rye) or 80 (triticale) lb N/acre.

Management: Conventional tillage. Harmony Extra used for weed control. Karate used for insect control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Tifton, Georgia: Triticale and Rye Grain Performance, 2018-2019

Brand-Variety	Yield		Test Weight	Height	Lodging	Head Date
	2019	2-Yr Avg				
	-----	bu/acre -----	lb/bu	in	%	mo/day
Triticale						
TriCal 342	82.4	.	50.7	42	7	03-15
FL08128	78.7	90.9	56.7	39	3	03-10
FL01143	71.4	68.7	52.3	43	9	03-10
Monarch	70.2		53.4	46	6	03-19
FL08094	66.0	.	50.0	48	45	03-08
FL08091	52.9	.	50.7	38	1	04-03
TriCal Surge	47.5	57.4	44.4	51	8	04-10
Wintermax	46.1	.	47.6	31	0	03-05
Bolt	32.5	.	.	40	1	04-11
ACS 14401	31.7	.	.	43	1	04-14
TriCal Merlin Max	28.6	49.6	.	40	0	04-11
Average	55.3 ¹	69.0	51.0	42	7	03-25
LSD at 10% Level	9.3	11.1	1.6	2	-	1
Std. Err. of Entry Mean	3.9	4.6	0.6	1	3	-
Model R-squared	0.89	0.74	0.92	0.91	0.87	-
Rye						
FL 104	39.3	45.2	.	72	75	03-18
FL 401	36.1	.	.	70	85	03-10
FL 2X 405	33.3	.	.	66	90	03-11
Wrens Abruzzi	29.4	34.9	.	68	90	03-29
Exp 19R01	25.7	.	.	66	90	03-29
NF95319B	23.7	39.8	.	70	90	03-30
Exp 19R02	21.4	.	.	70	90	03-30
Bates RS4	20.8	33.8	.	66	85	03-29
NF99362	20.2	.	.	66	85	03-27
NF97325	18.8	29.6	.	74	90	03-29
Elbon	10.5	.	.	62	90	04-05
Wintergrazer 70	9.8	.	.	66	85	04-04
Average	24.1 ²	36.7	-	68	87	03-26
LSD at 10% Level	8.2	7.7	-	-	-	1
Std. Err. of Entry Mean	3.4	3.2	-	-	-	-
Model R-squared	0.76	0.71	-	-	-	-

1. C.V. = 21.7%, and df for EMS = 30.

2. C.V. = 28.4%, and df for EMS = 33.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 27, 2018.

Harvested: May 24, 2019.

Seeding Rate: Triticale: 1.6 million seeds/acre (22 seeds/linear foot in 7" rows).

Rye: 1.3 million seeds/acre (18 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Warrior used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Oat

Regional Yield Summary: Oat Grain Performance, Georgia, 2018-2019

Company or		North ¹		South ²		Statewide ³		Florida ⁴
Brand Name	Variety	2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg	2019
----- bu/acre -----								
Clemson	SCLA 0100214	194.4	153.6	122.9	110.9	149.3	124.3	24.1
Clemson	SCOP 86-4	199.6	171.7	99.5	113.1	136.4	131.5	38.6
Horizon	Horizon 306	192.2	157.8	112.2	109.5	141.7	124.7	55.1
Horizon	Horizon 720	173.1	149.9	109.5	107.6	132.9	120.9	37.0
LSU	LA10001SSBS-20-1	175.5	.	109.3	.	133.7	.	66.2
LSU	LA10044SSBS-1	188.8	.	136.8	.	156.0	.	88.6
LSU	LA11074SBSBSBSB-109	183.1	.	131.2	.	150.3	.	77.3
LSU	LA12068SBSB-58-1	182.4	.	110.9	.	137.2	.	41.7
NCSU	NC12-3447	185.9	153.5	87.4	75.0	123.7	99.7	40.0
NCSU	NC12-3578	180.9	138.6	105.9	102.6	133.5	113.9	55.0
NCSU	NC12-3753	185.3	.	101.0	.	132.0	.	44.7
NCSU	NC12-3922	193.8	154.5	111.6	108.0	141.9	122.6	57.8
SCCIA	Graham	188.3	159.1	111.8	102.5	140.0	120.3	29.5
Average		186.4	154.8	111.5	103.6	139.1	119.7	50.4
LSD at 10% Level		11.2	11.9	14.0	11.8	9.7	12.0	11.7
Std. Err. of Entry Mean		4.4	4.8	7.3	5.0	4.1	5.1	4.8
Model R-squared		0.61	0.89	0.57	0.48	0.87	0.58	0.89

1. Calhoun and Athens.

2. Plains, Midville, and Tifton.

3. Calhoun, Athens, Plains, Midville, and Tifton.

4. Citra, Florida.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Yields are calculated as 32 pounds per bushel at 12.5% moisture.

Calhoun, Georgia: Oat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Lodging
	2019	2-Yr Avg	Weight	
	----- bu/acre -----		lb/bu	%
SCOP 86-4	213.0	161.5	38.1	17
NC12-3922	211.3	139.6	36.6	17
Graham	209.3	151.4	34.7	57
SCLA 0100214	204.9	134.7	35.5	30
NC12-3578	204.6	124.6	37.1	43
Horizon 306	200.3	141.6	36.2	67
LA10044SSBS-1	197.6	.	34.7	43
NC12-3447	193.8	138.3	34.1	60
LA12068SBSB-58-1	193.1	.	33.4	83
LA11074SBSBSBSB-109	182.9	.	31.4	63
NC12-3753	182.2	.	34.7	80
Horizon 720	181.4	140.3	32.8	80
LA10001SSBS-20-1	166.6	.	35.4	57
Average	195.4 ¹	141.5	35.0	53
LSD at 10% Level	19.4	15.1	2.0	-
Std. Err. of Entry Mean	6.9	6.3	0.7	9
Model R-squared	0.62	0.93	0.73	0.78

1. C.V. = 7.1%, and df for EMS = 24.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 24, 2018.

Harvested: June 4, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Waynesboro loam.

Previous Crop: Corn.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 32 lb N, 80 lb P₂O₅, and 105 lb K₂O/acre. Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony used for weed control.

Test conducted by H. Jordan, G. Ware, M. Tucker, and T. Turnquist.

Athens, Georgia: Oat Grain Performance, 2018-2019

Brand-Variety	Yield	Test	Height	Lodging	Head
	2019	Weight			Date
	bu/acre	lb/bu	in	%	mo/day
SCOP 86-4	189.6	38.8	46	0	04-21
NC12-3753	187.7	37.4	47	20	04-23
SCLA 0100214	186.6	36.7	39	0	04-26
Horizon 306	186.2	36.9	44	10	04-24
LA11074SBSBSB-109	183.2	35.6	45	1	04-25
LA10044SSBS-1	182.3	36.0	40	0	04-24
LA10001SSBS-20-1	182.1	36.7	48	19	04-19
NC12-3922	180.6	37.1	47	6	04-23
NC12-3447	180.1	36.0	46	49	04-22
LA12068SBSB-58-1	174.3	35.6	40	0	04-18
Graham	172.6	35.1	39	6	04-25
Horizon 720	166.9	34.4	49	24	04-26
NC12-3578	163.1	35.4	44	6	04-25
Average	179.6 ¹	36.3	44	11	04-14
LSD at 10% Level	13.6	2.0	3	-	2
Std. Err. of Entry Mean	5.7	8.3	1	7	1
Model R-squared	0.42	0.41	0.74	0.61	0.76

1. C.V. = 6.3%, and df for EMS = 36.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 20, 2018.

Harvested: June 5, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Wickham sandy loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre. Topdress: 60 lb N/acre.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Midville, Georgia: Oat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging	Head	
	2019	2-Yr Avg	Weight			Date	
	-----	bu/acre	-----	lb/bu	in	%	mo/day
LA10044SSBS-1	142.4	.	28.4	38	93		04-11
LA11074SBSBSBSB-109	140.8	.	25.6	44	91		04-12
Horizon 306	132.2	127.8	29.7	43	98		04-18
SCLA 0100214	131.7	125.5	23.8	40	80		04-18
LA12068SBSB-58-1	130.8	.	29.6	41	88		04-13
Graham	128.6	115.5	23.7	42	93		04-18
NC12-3922	127.5	127.8	28.0	45	90		04-14
Horizon 720	124.5	103.0	26.3	51	94		04-15
SCOP 86-4	121.1	131.8	32.0	46	61		04-12
NC12-3753	118.8	.	25.3	46	98		04-12
LA10001SSBS-20-1	116.6	.	29.8	50	95		04-13
NC12-3578	109.8	123.0	25.3	46	92		04-17
NC12-3447	109.4	93.5	25.3	46	100		04-11
Average	125.7 ¹	118.5	27.1	44	90		04-14
LSD at 10% Level	16.6	18.5	1.8	2	-		1
Std. Err. of Entry Mean	7.0	7.8	0.8	1	4		-
Model R-squared	0.45	0.46	0.80	0.88	0.70		-

1. C.V. = 11.0%, and df for EMS = 36.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 29, 2018.

Harvested: May 30, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Dothan loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.2.

Fertilization: Preplant: 30 lb N, 46 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 76 lb N/acre.

Management: Conventional tillage. Harmony Extra and 2-4,D amine used for weed control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Plains, Georgia: Oat Grain Performance, 2018-2019

Brand-Variety	Yield		Test			Head	Crown
	2019	2-Yr Avg	Weight	Height	Lodging	Date	Rust ¹
	----- bu/acre -----		lb/bu	in	%	mo/day	0-3 scale
LA10044SSBS-1	154.5	.	33.1	47	28	04-13	1.0
Exp 19 0 01	145.3	.	33.8	44	46	04-13	1.5
LA11074SBSBSBSB-109	139.5	.	33.6	51	25	04-14	1.0
LA12068SBSB-58-1	129.3	.	31.5	48	49	04-14	2.5
TAMO 412	128.6	.	33.6	48	11	04-17	1.0
SCLA 0100214	126.5	126.7	29.9	46	5	04-15	2.5
Horizon 720	121.8	129.9	32.8	54	30	04-16	1.0
TX14OCS5061	121.7	.	35.5	49	35	04-16	1.0
TX14OCS5212	120.8	.	34.6	53	53	04-14	1.0
Horizon 306	119.2	117.7	34.2	51	26	04-17	1.0
Exp 19 0 02	118.5	.	31.5	51	59	04-15	1.0
TX14OCS5098	118.1	.	36.7	55	39	04-16	1.5
NC12-3922	116.5	118.7	30.6	51	40	04-13	2.0
NC12-3578	116.1	115.8	30.4	52	25	04-15	2.5
Graham	115.9	121.3	26.9	46	15	04-15	2.5
LA10001SSBS-20-1	114.2	.	33.0	54	49	04-13	1.0
RAM LA99016	97.4	.	34.4	53	38	04-13	1.5
NC12-3753	96.7	.	28.6	47	89	04-14	2.0
SCOP 86-4	90.3	122.1	31.5	49	13	04-13	1.5
NC12-3447	82.0	80.5	27.9	49	73	04-13	2.5
NZA 739/7	75.8	.	30.6	57	6	04-17	1.5
UF 3	70.8	.	35.1	58	96	04-10	0.0
UF 1	69.7	.	36.6	60	95	04-22	0.0
NZA 29/34	69.2	.	23.5	44	23	04-22	2.0
UF 9	68.0	.	37.9	59	95	04-22	0.0
UF 10	64.9	.	36.3	57	98	04-17	0.0
Shooter	56.8	.	29.7	65	94	04-22	2.5
UF 5	56.4	.	28.3	61	88	04-17	0.0
UF 2	55.4	.	36.4	57	95	04-22	0.0
Intimidator	55.4	.	27.9	62	76	04-17	2.5
NZA 228/15	48.0	.	26.1	40	49	04-22	2.5
Average	98.8 ²	116.6	32.3	52	50	04-16	1.4
LSD at 10% Level	26.4	17.2	4.2	3	-	1	-
Std. Err. of Entry Mean	11.4	7.2	1.6	1	10	-	0.2
Model R-squared	0.72	0.52	0.62	0.85	0.76	-	0.88

1. Evaluated on 4-22-2019. 0 = no rust, 1 = mostly resistant, 2 = moderately resistant, 3 = susceptible.

2. C.V. = 22.7%, and df for EMS = 90.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 30, 2018.

Harvested: June 5, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Note: This test includes both grain and forage-type varieties. They are combined in this test to allow for disease assessments.

Tifton, Georgia: Oat Grain Performance, 2018-2019

Brand-Variety	Yield		Test	Height	Lodging	Head	Crown
	2019	2-Yr Avg	Weight			Date	Rust ¹
	-----	bu/acre	-----			lb/bu	in
LA10044SSBS-1	113.4	.	33.1	42	26	04-05	2.5
LA11074SBSBSBSB-109	113.3	.	31.8	45	19	04-09	2.0
SCLA 0100214	110.5	80.4	29.8	37	4	04-09	2.0
LA10001SSBS-20-1	97.2	.	29.4	52	24	04-08	2.0
NC12-3578	91.8	68.9	31.1	44	11	04-12	3.0
Graham	91.0	70.5	29.4	38	8	04-12	2.5
NC12-3922	90.9	77.4	32.0	43	21	04-09	2.0
NC12-3753	87.4	.	36.4	45	91	04-08	2.5
SCOP 86-4	87.1	85.3	34.8	44	33	04-06	2.5
Horizon 306	85.4	83.0	33.5	46	40	04-08	2.0
Horizon 720	82.4	89.7	31.6	48	21	04-15	2.0
LA12068SBSB-58-1	72.4	.	30.0	40	56	04-11	2.5
NC12-3447	70.9	51.1	30.6	44	96	04-09	2.5
Average	91.8	75.8	31.3	43	35	04-09	2.3
LSD at 10% Level	23.3	19.0	3.0	2	-	1	NS
Std. Err. of Entry Mean	9.7	8.0	1.2	1	9	-	0.3
Model R-squared	0.50	0.53	0.46	0.86	0.81	-	0.34

1. Evaluated on 4-23-2019. 0 = no rust, 1 = mostly resistant, 2 = moderately resistant, 3 = susceptible.

2. C.V. = 21.2%, and df for EMS = 36.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 27, 2018.

Harvested: May 24, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Corn.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Warrior used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Citra, Florida: Oat Grain Performance, 2018-2019

Brand-Variety	Yield 2019	Test Weight	Height	Head Date	Crown Rust	Stem Rust	BYD Virus
	bu/acre	lb/bu	in	mo/day	0-9 scale	0-9 scale	0-9 scale
LA10044SSBS-1	88.6	31.3	32	03-17	0.7	1.0	2.0
LA11074SBSBSBSB-109	77.3	30.3	32	03-14	2.3	2.7	2.7
LA10001SSBS-20-1	66.2	27.3	38	03-20	1.7	2.7	1.0
NC12-3922	57.8	24.0	31	03-27	2.0	1.3	1.3
Horizon 306	55.1	25.5	35	03-23	3.3	4.0	2.7
NC12-3578	55.0	22.6	36	03-27	2.0	1.0	0.7
NC12-3753	44.7	18.4	34	03-18	6.3	3.7	2.0
LA12068SBSB-58-1	41.7	20.3	32	03-28	3.7	1.3	3.3
NC12-3447	40.0	20.2	35	03-17	4.3	3.7	2.0
SCOP 86-4	38.6	18.8	34	03-19	5.7	3.3	2.0
Horizon 720	37.0	15.1	42	03-25	2.7	1.7	2.7
Graham	29.5	19.9	29	03-26	7.3	2.3	3.7
SCLA 0100214	24.1	22.5	30	03-25	6.3	3.0	3.3
Average	50.4 ¹	22.8	34	03-22	3.7	2.4	2.3
LSD at 10% Level	11.7	4.0	2	3	1.5	1.1	0.9
Std. Err. of Entry Mean	4.8	1.7	1	1	0.6	0.5	0.4
Model R-squared	0.89	0.81	0.87	0.92	0.86	0.77	0.83

1. C.V. = 16.6%, and df for EMS = 24.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Test conducted by A. Babar, University of Florida.

Barley

Regional Yield Summary: Barley Grain Performance, Georgia, 2018-2019

Company or Brand Name	Variety	North ¹		South ²		Statewide	
		2019	2-Yr Avg	2019	2-Yr Avg	2019	2-Yr Avg
----- bu/acre -----							
Limagrain	Hirondella	64.5	.	63.2	.	63.8	.
Limagrain	LCS Calypso	35.2	.	52.9	.	44.1	.
Limagrain	<i>LCS Casanova</i>	<i>43.0</i>	.	<i>73.0</i>	.	<i>58.0</i>	.
Limagrain	<i>LCS Nena</i>	<i>57.4</i>	.	<i>87.8</i>	.	<i>72.6</i>	.
Limagrain	LCS Violetta	32.8	.	49.8	.	41.3	.
VA Tech	Amaze 10	83.7	70.9	63.0	64.1	73.4	67.5
VA Tech	Flavia	54.6	69.5	76.2	86.3	65.4	77.9
VA Tech	Nomini	86.6	.	83.3	.	84.9	.
VA Tech	Secretariat	105.5	95.0	100.8	118.0	103.2	106.5
VA Tech	Thoroughbred	57.7	71.4	87.2	85.9	72.4	79.7
VA Tech	<i>VA11B-141LA</i>	96.9	85.1	<i>88.8</i>	<i>113.0</i>	<i>92.8</i>	99.1
Average		65.3	78.8	75.1	93.5	70.2	86.3
LSD at 10% Level		17.0	15.7	7.5	7.1	9.9	11.8
Std. Err. of Entry Mean		7.1	8.9	3.1	4.2	4.2	4.9
Model R-squared		0.81	0.56	0.90	0.92	0.80	0.45

1. Calhoun

2. Plains.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Yields are calculated as 32 pounds per bushel at 12.5% moisture.

Calhoun, Georgia: Barley Grain Performance, 2018-2019

Brand-Variety	Use	Yield		Test	Lodging	Head
		2019	2-Yr Avg	Weight		Date
		----- bu/acre -----		lb/bu	%	mo/day
Secretariat	feed, food	105.5	95.0	44.5	90	04-15
VA11B-141LA		96.9	85.1	46.6	73	04-14
Nomini	feed	86.6	.	45.2	60	04-07
Amaze 10	feed	83.7	70.9	55.3 ¹	76	04-15
Hirondella	malting	64.5	.	45.0	19	04-20
Thoroughbred	feed	57.7	71.4	42.0	70	04-14
LCS Nena		57.4	.	46.2	60	04-16
Flavia	malting	54.6	69.5	42.2	45	04-23
LCS Casanova		43.0	.	.	25	04-21
LCS Calypso	malting	35.2	.	.	88	04-22
LCS Violetta	malting	32.8	.	.	53	04-17
Average		65.3 ²	78.8	46.3	60	04-17
LSD at 10% Level		17.0	15.7	1.4	-	3
Std. Err. of Entry Mean		7.1	6.3	0.5	7	-
Model R-squared		0.81	0.56	0.97	0.79	-

1. Hulless variety.

2. C.V. = 21.7%, and df for EMS = 30.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: October 30, 2018.

Harvested: June 4, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Rome gravelly loam.

Previous Crop: Corn.

Soil Test: P = Medium, K = Medium, and pH = 5.8.

Fertilization: Preplant: 32 lb N, 80 lb P₂O₅, and 105 lb K₂O/acre.

Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony and Zidua used for weed control.

Test conducted by H. Jordan, G. Ware, M. Tucker, and T. Turnquist.

Plains, Georgia: Barley Grain Performance, 2018-2019

Brand-Variety	Use	Yield		Test	Lodging	Head
		2019	2-Yr Avg	Weight		Date
		----- bu/acre -----		lb/bu	%	mo/day
Secretariat	feed, food	100.8	118.0	48.0	76	04-10
VA11B-141LA		88.8	113.0	49.5	87	04-07
LCS Nena		87.8	.	48.9	15	04-10
Thoroughbred	feed	87.2	85.9	46.2	23	04-12
Nomini	feed	83.3	.	45.6	71	04-07
Flavia	malting	76.2	86.3	42.3	14	04-14
LCS Casanova		73.0	.	45.3	11	04-14
Hirondella	malting	63.2	.	45.5	9	04-13
Amaze 10	feed	63.0	64.1	59.4 ¹	81	04-13
LCS Calypso	malting	52.9	.	43.1	38	04-14
LCS Violetta	malting	49.8	.	40.7	15	04-16
Average		75.1 ²	93.5	46.8	40	04-12
LSD at 10% Level		7.5	7.1		-	1
Std. Err. of Entry Mean		3.1	3.0	0.8	6	-
Model R-squared		0.90	0.91	0.94	0.90	-

1. Hulless variety.

2. C.V. = 8.3%, and df for EMS = 30.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 30, 2018.

Harvested: June 6, 2019.

Seeding Rate: 0.8 million seeds/acre (11 seeds per linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: Preplant: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 85 lb N/acre.

Management: Conventional tillage. Karate used for insect control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Winter Canola

Athens, Georgia:

Winter Canola Grain Performance, 2018-2019

Brand-Variety	Yield ¹			Height	Lodging	Shatter	Bloom Date	Maturity Date
	2019	2-Yr Avg	3-Yr Avg					
	-----	lbs/acre	-----	in	%	%	mo/day	mo/day
Hybrids								
MONSD3	4599	.	.	61	0	0	03-25	.
MONSD4	4368	.	.	55	0	0	03-18	05-20
Plurax CL	4275	4401	4066	59	0	0	03-16	.
Architect	4167	.	.	63	0	0	03-22	05-20
MONSD1	4160	.	.	61	0	0	03-22	.
Popular	4125	4018	4025	57	0	0	03-18	05-20
HAMOUR	4019	3843	.	65	0	0	03-26	05-19
Phoenix CL	3933	4255	.	61	0	0	03-18	.
MONSD2	3844	.	.	60	0	0	03-23	05-19
MH 15HT227	3755	.	.	55	0	0	03-19	05-20
Advocat	3710	.	.	62	0	0	03-21	05-20
MH 14ES125	3505	.	.	64	0	0	03-27	05-20
MH 15AY085	3125	3400	.	62	0	0	03-23	05-19
MH 15HT229	3090	3713	.	60	0	0	03-20	05-19
Average	3905 ²	3941	4045	60	0	0	03/21	05/20
LSD at 10% Level	481	422	NS	4	-	-	2	NS
Std. Err. of Entry Mean	199	171	146	2	-	-	-	-
Model R-squared	0.71	0.66	0.49	0.71	-	-	0.93	0.53
Open-Pollinated								
Sumner	3896	3733	3678	60	0	0	03-18	.
KSR4723	3816	3640	.	60	0	0	03-19	.
KS4719	3711	.	.	62	0	0	03-25	05-19
QUARTZ	3495	3940	3737	59	0	0	03-24	.
Wichita	3460	3492	3485	62	0	0	03-23	.
Riley	3398	3564	3580	61	0	0	03-19	05-19
Torrington	3290	3272	3208	61	0	0	03-20	05-19
KSR4767	3288	.	.	60	0	0	03-19	05-20
KS4670	3287	3240	.	61	0	0	03-17	05-21
Surefire	3283	.	.	61	0	0	03-28	05-19
Star 930W	3210	3421	.	59	0	0	03-17	.
Star 915W	3177	3469	3394	60	0	0	03-21	.
CP320W	3100	.	.	57	0	0	03-17	.
HyCLASS225W	3088	3427	3544	57	0	0	03-19	05-19
HyCLASS115W	3034	3232	3166	55	0	0	03-17	.
Average	3363 ³	3474	3476	60	0	0	03/20	05/20
LSD at 10% Level	491	NS	311	NS	-	-	1	NS
Std. Err. of Entry Mean	191	163	124	2	-	-	-	-
Model R-squared	0.51	0.44	0.47	0.45	-	-	0.95	0.92

Athens, Georgia:
Winter Canola Grain Performance, 2018-2019
(Continued)

1. Yields reported at 9% standard moisture.

2. C.V. = 8.8%, and df for EMS = 26.

3. C.V. = 9.9%, and df for EMS = 26.

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: October 2, 2018.

Harvested: June 5, 2019.

Seeding Rate: Adjusted based on germination test to achieve 300,000 (hybrids) or 500,000 (open-pollinated) plants/acre in 7" rows.

Soil Type: Wickam sandy loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P_2O_5 , and 230 lb K_2O /acre.

Topdress: 123 lb N/acre.

Management: Conventional tillage. Treflan used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Note: this data was collected as part of the National Winter Canola Variety Trial, coordinated by Kansas State University. Non-Georgia locations from prior years can be viewed at <https://www.bookstore.ksre.ksu.edu/pubs/SRP1150.pdf>.

Forage Test Results

Wheat, Triticale and Rye Forage

All-Locations Yield Summary: Wheat, Triticale and Rye Forage Performance, 2018-2019

Company or Brand Name Variety		Dry Forage Yield									
		Athens		Plains		Tifton		Headland, AL		All Locations ¹	
		2019	2-yr	2019	2-yr	2019	2-yr	2019	2-yr	2019	2-yr
----- lb/acre -----											
Wheat											
GSDC	GA Gore	6915	7589	5598	5196	4280	4679	3743	.	5134	5056
Noble	NF101	9563	9634	6382	5792	3343	4408	4126	.	5853	5649
Noble	NF97117	9973	10100	6425	5682	4465	4773	4414	.	6319	6277
Noble	ON11D25005	8069	.	5968	.	2908	.	3423	.	5092	.
Noble	ON13PO16	7672	8122	5652	5494	3779	4102	4208	.	5328	5401
Noble	ON14319	7908	8922	6251	5635	3779	4662	4762	.	5675	6020
Noble	ON15111	6694	.	6447	.	3735	.	4358	.	5309	.
UGA	GA071518-16E39	8094	.	5706	.	4356	.	4540	.	5674	.
UGA	GA091291-16LE28	7004	.	5881	.	3735	.	4112	.	5183	.
UGA	GA09129-16E55	8662	.	5717	.	4084	.	4468	.	5733	.
UGA	GA09377-16LE18	8809	.	5129	.	4650	.	4356	.	5736	.
UGA	GA09436-16LE12	7606	.	5336	.	3670	.	4018	.	5157	.
UniSouth	USG 3640	8829	.	4955	.	4160	.	4061	.	5501	.
Average		8138	8873	5804	5560	3919	4525	4199	-	5515	5680
LSD at 10% Level		1680	871	623	NS	567	NS	394	-	538	383
Std. Err. of Entry Mean		703	363	261	174	237	192	165	-	230	164
Model R-squared		0.52	0.62	0.57	0.62	0.67	0.69	0.71	-	0.83	0.84
Triticale											
ProGene	ACS 14401	6364	.	.	.	4269	.	.	.	.	.
ProGene	Bolt	7870	.	.	.	4247	.	.	.	.	.
ProGene	FR 2260	7132	.	.	.	3093	.	.	.	.	.
ProGene	Wintermax	8658	.	.	.	4400	.	.	.	.	.
TriCal	TriCal 342	8402	8157	4389	3915	4705	4993	4180	.	5220	.
TriCal	TriCal Merlin Max	9198	9860	4422	4051	5020	5368	3606	.	5319	.
TriCal	TriCal Surge	8578	9874	4814	4677	5031	5471	4328	.	5495	.
UF	FL 01143	7856	8104	3692	3398	4737	4869	4075	.	4905	4841
UF	FL 08091	9497	.	4922	.	4595	.	3396	.	5343	.
UF	FL 08094	7820	.	3724	.	4683	.	3766	.	4810	.
UF	FL 08128	8142	8251	3746	3725	4520	4901	3883	.	4868	4837
UF	Monarch	7026	.	3746	.	4400	.	3859	.	4606	.
Average		8045	8849	4182	3953	4475	5121	3886	-	5071	4839
LSD at 10% Level		1193	NS	443	296	649	283	470	-	NS	NS
Std. Err. of Entry Mean		491	671	182	123	271	118	193	-	354	185
Model R-squared		0.94	0.43	0.73	0.72	0.55	0.68	0.58	-	0.68	0.81

All-Locations Summary: Wheat, Triticale and Rye Forage Performance, 2018-2019 (Continued)

Company or Brand Name Variety		Dry Forage Yield									
		Athens		Plains		Tifton		Headland, AL		All Locations ¹	
		2019	2-yr	2019	2-yr	2019	2-yr	2019	2-yr	2019	2-yr
----- lb/acre -----											
Rye											
GSDC	Wrens Abruzzi	7611	9444	6110	4933	5053	5044	4045	.	5069	5925
Noble	Bates RS4	9218	10318	6153	5309	4770	5166	4851	.	5258	6259
Noble	Elbon	8143	.	6316	.	3877	.	4147	.	4780	.
Noble	<i>NF95319B</i>	8712	.	<i>5489</i>	.	<i>4977</i>	.	4528	.	<i>4998</i>	.
Noble	<i>NF97325</i>	8306	.	6109	.	<i>4901</i>	.	4561	.	<i>5190</i>	.
Noble	<i>NF99362</i>	7836	.	6447	.	5347	.	4809	.	5534	.
Pennington	Wintergrazer 70	8132	.	6534	.	4182	.	4676	.	5131	.
TriCal	<i>Exp 19R01</i>	9841	.	6371	.	.	.	.	.	.	.
TriCal	<i>Exp 19R02</i>	9038	.	6207	.	.	.	.	.	.	.
UF	FL 104	7330	8654	5358	4759	5565	5244	4161	.	5028	5884
UF	<i>FL 2X 405</i>	7497	.	<i>4814</i>	.	<i>4977</i>	.	3992	.	<i>4594</i>	.
UF	FL 401	7787	.	4378	.	5064	.	4344	.	4595	.
Average		8288	9472	5857	5000	4871	5151	4411	-	5017	6023
LSD at 10% Level		NS	1205	469	368	328	NS	483	-	274	293
Std. Err. of Entry Mean		847	484	196	149	136	164	201	-	116	124
Model R-squared		0.57	0.72	0.81	0.87	0.84	0.23	0.60	-	0.82	0.91
Rye cover crop											
Noble	Bates RS4	16701	-	8178	-	7797	-	8817	-	10373	-
Noble	Elbon	13286	-	6004	-	7079	-	4998	-	7842	-
Noble	<i>NF95319B</i>	16001	-	7198	-	6511	-	8929	-	9660	-
Noble	<i>NF97325</i>	16502	-	<i>6491</i>	-	8189	-	10917	-	10525	-
Noble	<i>NF99362</i>	16606	-	8189	-	6484	-	10266	-	10386	-
Average		15819	-	7212	-	7212	-	8786	-	9757	-
LSD at 10% Level		1475	-	1183	-	NS	-	1272	-	783	-
Model R-squared		0.69	-	0.61	-	0.39	-	0.88	-	0.90	-

1. Includes 2018 Marianna tests. Excludes 2019 Athens rye test due to non-significant results.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Athens, Georgia: Wheat, Triticale and Rye Forage Performance, 2018-2019

Brand-Variety	Percent Heads ¹	Dry Matter Yield				
		Harvest Date			Season Totals	
		2-7-19	3-20-19	5-7-19	2019	2-Yr Avg
----- lb/acre -----						
Wheat						
NF97117		3105	4644	2224	9973	10100
NF101		2500	4874	2189	9563	9634
USG 3640		3492	3058	2280	8829	.
GA09377-16LE18		3430	2672	2707	8809	.
GA09129-16E55		3360	2946	2356	8662	.
GA071518-16E39		2073	3863	2158	8094	.
ON11D25005		1047	4841	2181	8069	.
ON14319		1243	4199	2466	7908	8922
ON13PO16		1090	4482	2101	7672	8122
GA09436-16LE12		2192	3177	2237	7606	.
GA091291-16LE28		2061	3033	1910	7004	.
GA Gore		1422	3864	1629	6915	7589
ON15111		1267	3372	2056	6694	.
Average		2175	3771	2192	8138 ²	8873
LSD at 10% Level		961	773	452	1680	871
Std. Err. of Entry Mean		402	324	189	703	363
Model R-squared		0.67	0.69	0.44	0.52	0.62
Triticale						
		<u>2-5-19</u>	<u>3-20-19</u>	<u>5-7-19</u>		
FL 08091		4415	1693	3390	9497	.
TriCal Merlin		4024	1807	3367	9198	9860
Wintermax		4990	1780	1888	8658	.
TriCal Surge		2941	2745	2891	8578	9874
TriCal 342		3884	2482	2036	8402	8157
FL 08128		3793	2094	2255	8142	8251
Bolt		2165	2894	2812	7870	.
FL 01143		4559	1545	1752	7856	8104
FL 08094		4201	1912	1707	7820	.
FR 2260		2122	2638	2373	7132	.
Monarch		3703	1684	1638	7026	.
ACS 14401		2122	2112	2131	6364	.
Average		3577	2116	2353	8045 ³	8849
LSD at 10% Level		995	542	703	1193	NS
Std. Err. of Entry Mean		409	223	289	491	671
Model R-squared		0.94	0.76	0.74	0.94	0.43

Athens, Georgia:
Wheat, Triticale and Rye Forage Performance, 2018-2019
(Continued)

Brand-Variety	Percent	Harvest Date			Season Totals	
	Heads ¹	2-5-19	3-20-19	5-7-19	2019	2-Yr Avg
----- lb/acre -----						
<u>Rye</u>						
Bates RS4	35	3474	3633	2111	9218	10318
Wrens Abruzzi	38	3253	2713	1644	7611	9444
FL 104	97	3134	1552	2643	7330	8654
Exp 19R01	37	3963	3616	2262	9841	.
Exp 19R02	37	3525	3189	2324	9038	.
NF95319B	28	3268	3296	2149	8712	.
NF97325	30	3336	2910	2060	8306	.
Elbon	1	1502	4548	2094	8143	.
Wintergrazer 70	1	1711	4121	2300	8132	.
NF99362	30	2635	3312	1889	7836	.
FL 401	100	4688	957	2142	7787	.
FL 2X 405	100	3681	1267	2549	7497	.
Average	44	3181	2926	2181	8288 ⁴	9472
LSD at 10% Level	13	NS	695	437	NS	1205
Std. Err. of Entry Mean	5	636	248	156	847	484
Model R-squared	0.95	0.60	0.89	0.62	0.57	0.72

Dry Matter Yield	
2019	2-Yr Avg
----- bu/acre -----	

Rye cover crop harvested on 5-8-2019

Bates RS4	16701	-
NF99362	16606	-
NF97325	16502	-
NF95319B	16001	-
Elbon	13286	-
Average	15819	-
LSD at 10% Level	1475	-
Model R-squared	0.69	-

1. Percent of tillers displaying heads on 2/5/2019.

2. C.V. = 17.3%, and df for EMS = 36.

3. C.V. = 10.6%, and df for EMS = 22.

4. C.V. = 20.5%, and df for EMS = 22.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 1, 2018.

Seeding Rate: Wheat: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Triticale: 1.5 million seeds/acre (24 seeds/linear foot in 7" rows).

Rye: 2.2 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Chewacla silt loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre

Topdress: 50 lb N/acre after 1st, 2nd and 3rd harvests.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Plains, Georgia:

Wheat, Triticale and Rye Forage Performance, 2018-2019

		Dry Matter Yield				
Brand-Variety	Jointed ¹	Harvest Date			Season Totals	
		1-10-19	2-15-19	3-21-19	2019	2-Yr Avg
----- lb/acre -----						
Wheat						
ON15111		937	1547	3964	6447	.
NF97117		1220	1917	3289	6425	5682
NF101		1231	1971	3180	6382	5792
ON14319		1100	2113	3039	6251	5635
ON11D25005		991	1612	3365	5968	.
GA091291-16LE28		1002	1906	2973	5881	.
GA09129-16E55		1155	2026	2537	5717	.
GA071518-16E39		1133	2146	2428	5706	.
ON13PO16		1068	1917	2668	5652	5494
GA Gore		1089	1993	2516	5598	5196
GA09436-16LE12		904	1939	2494	5336	.
GA09377-16LE18		1067	2211	1852	5129	.
USG 3640		948	1797	2211	4955	.
Average		1065	1930	2809	5804 ²	5560
LSD at 10% Level		188	241	450	623	NS
Std. Err. of Entry Mean		79	101	188	261	174
Model R-squared		0.39	0.60	0.75	0.57	0.62
Triticale						
FL 08091	No	1067	1285	2570	4922	.
TriCal Surge	No	1056	1481	2276	4814	4677
TriCal Merlin	No	937	1427	2058	4422	4051
TriCal 342	No	915	1830	1644	4389	3915
FL 08128	No	958	1579	1209	3746	3725
Monarch	No	915	1351	1481	3746	.
FL 08094	Yes	1078	1154	1492	3724	.
FL 01143	Yes	1231	871	1590	3692	3398
Average		1020	1372	1790	4182 ³	3953
LSD at 10% Level		186	227	309	443	296
Std. Err. of Entry Mean		77	93	127	182	123
Model R-squared		0.43	0.76	0.82	0.73	0.72
Rye						
Wintergrazer 70	No	1873	1612	3049	6534	.
NF99362	No	1710	1764	2973	6447	.
Exp 19R01	No	2004	1525	2842	6371	.
Elbon	No	1459	1612	3245	6316	.
Exp 19R02	No	1797	1623	2788	6207	.
Bates RS4	No	1688	1568	2897	6153	5309
Wrens Abruzzi	No	1677	1590	2842	6110	4933
NF97325	No	1514	1688	2908	6109	.
NF95319B	No	1579	1699	2211	5489	.
FL 104	Yes	1742	1035	2581	5358	4759
FL 2X 405	Yes	2211	523	2080	4814	.
FL 401	Yes	2276	567	1535	4378	.
Average		1794	1400	2667	5857 ⁴	5000
LSD at 10% Level		270	166	406	469	368
Std. Err. of Entry Mean		113	69	170	196	149
Model R-squared		0.69	0.93	0.73	0.81	0.87

Plains, Georgia:
Wheat, Triticale and Rye Forage Performance, 2018-2019
(Continued)

Brand-Variety	Height in	Lodging %	Dry Matter Yield	
			2019	2-Yr Avg
			----- lb/acre -----	
<u>Rye cover crop harvested on 3-22-2019</u>				
NF99362	60.5	0	8189	-
Bates RS4	60.0	0	8178	-
NF95319B	59.5	0	7198	-
NF97325	60.5	0	6491	-
Elbon	50.0	0	6004	-
Average	58.1	0	7212	-
LSD at 10% Level	2.1	-	1183	-
Model R-squared	0.91	-	0.61	-

1. Variety reached jointing stage prior to 1-10-2019.

2. C.V. = 9.0%, and df for EMS = 36.

3. C.V. = 8.7%, and df for EMS = 21.

4. C.V. = 6.7%, and df for EMS = 33.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 19, 2018.

Seeding Rate: Wheat: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Triticale: 1.5 million seeds/acre (24 seeds/linear foot in 7" rows).

Rye: 2.2 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, 50 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd and 3rd harvests.

Rye cover crop received pre-plant fertilizer, but no topdress.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Wheat, Triticale and Rye Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	12-7-18	1-23-19	3-1-19	2019	2-Yr Avg
	----- lb/acre -----				
Wheat					
GA09377-16LE18	1122	1165	2363	4650	.
NF97117	1252	1220	1993	4465	4773
GA071518-16E39	1198	828	2330	4356	.
GA Gore	1024	1013	2244	4280	4679
USG 3640	936	1034	2189	4160	.
GA09129-16E55	795	773	2516	4084	.
ON13PO16	1002	893	1884	3779	4102
ON14319	1035	926	1819	3779	4662
GA091291-16LE28	980	752	2004	3735	.
ON15111	1198	741	1797	3735	.
GA09436-16LE12	752	741	2178	3670	.
NF101	904	621	1819	3343	4408
ON11D25005	784	697	1427	2908	.
Average	999	877	2043	3919 ¹	4525
LSD at 10% Level	243	228	293	567	NS
Std. Err. of Entry Mean	102	95	123	237	192
Model R-squared	0.50	0.62	0.72	0.67	0.69
Triticale					
TriCal Surge	1263	1481	2287	5031	5471
TriCal Merlin Max	1045	1927	2047	5020	5368
FL 01143	1133	2657	947	4737	4869
TriCal 342	1035	1939	1732	4705	4993
FL 08094	839	2853	991	4683	.
FL 08091	1231	1361	2004	4595	.
FL 08128	991	2080	1448	4520	4901
Monarch	1155	1318	1928	4400	.
Wintermax	1645	1797	958	4400	.
ACS 14401	1154	1166	1949	4269	.
Bolt	904	1176	2167	4247	.
FR 2260	664	784	1645	3093	.
Average	1088	1712	1675	4475 ²	5121
LSD at 10% Level	222	300	374	649	283
Std. Err. of Entry Mean	93	125	156	271	118
Model R-squared	0.70	0.89	0.77	0.55	0.68
Rye					
FL 104	1067	2037	2461	5565	5244
NF99362	1220	1339	2788	5347	.
FL 401	1590	1340	2135	5064	.
Wrens Abruzzi	1013	1318	2723	5053	5044
NF95319B	1144	1220	2614	4977	.
FL 2X 405	1340	1601	2036	4977	.
NF97325	1057	1263	2581	4901	.
Bates RS4	1155	1252	2363	4770	5166
Wintergrazer 70	1100	1220	1862	4182	.
Elbon	980	1056	1840	3877	.
Average	1166	1364	2340	4871 ³	5151
LSD at 10% Level	216	215	285	328	NS
Std. Err. of Entry Mean	90	89	118	136	164
Model R-squared	0.64	0.76	0.77	0.84	0.23

Tifton, Georgia:
Wheat, Triticale and Rye Forage Performance, 2018-2019
(Continued)

Brand-Variety	Height in	Lodging %	Dry Matter Yield	
			2019	2-Yr Avg
			----- lb/acre -----	
<u>Rye cover crop harvested on 4-12-2019</u>				
NF97325	61.0	0	8189	-
Bates RS4	59.0	0	7797	-
Elbon	60.0	0	7079	-
NF95319B	54.0	0	6511	-
NF99362	56.5	0	6484	-
Average	58.1	0	7212	-
LSD at 10% Level	NS	-	NS	-
Model R-squared	0.37	-	0.39	-

1. C.V. = 12.1%, and df for EMS = 36.

2. C.V. = 12.1%, and df for EMS = 33.

3. C.V. = 5.6%, and df for EMS = 27.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 18, 2018.

Seeding Rate: Wheat: 1.6 million seeds/acre (27 seeds/linear foot in 7" rows).

Rye: 2.2 million seeds/acre (36 seeds/linear foot in 7" rows).

Triticale: 1.5 million seeds/acre (24 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Fallow.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 50 lb N + 9 lb S/acre after 1st and 2nd harvests.

Rye cover crop received pre-plant fertilizer, but no topdress.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Headland, Alabama: Wheat, Triticale and Rye Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				Season Total
	Harvest Date				
	12-13-18	1-11-19	2-22-19	4-12-19	
----- lb/acre -----					
Wheat					
ON14319	317	880	1462	2103	4762
GA071518-16E39	408	948	2049	1135	4540
GA09129-16E55	486	860	2103	1019	4468
NF97117	643	998	1407	1366	4414
ON15111	310	867	1519	1662	4358
GA09377-16LE18	460	1056	2042	797	4356
ON13PO16	303	810	1635	1460	4208
NF101	254	839	1716	1316	4126
GA091291-16LE28	367	795	1826	1124	4112
USG 3640	477	964	1733	887	4061
GA09436-16LE12	348	851	1760	1059	4018
GA Gore	259	814	1443	1228	3743
ON11D25005	233	617	1208	1367	3423
Average	374	869	1685	1271	4199 ¹
LSD at 10% Level	142	186	232	259	394
Std. Err. of Entry Mean	59	78	92	109	165
Model R-squared	0.65	0.52	0.75	0.78	0.71
Triticale					
TriCal Surge	769	1056	1254	1250	4328
TriCal 342	566	847	1900	867	4180
FL 01143	536	1505	997	1036	4075
FL 08128	466	1104	1457	857	3883
Monarch	566	905	1375	1013	3859
FL 08094	486	1265	1220	795	3766
TriCal Merlin Max	430	914	1381	881	3606
FL 08091	434	762	1090	1110	3396
Average	532	1045	1334	976	3886 ²
LSD at 10% Level	165	164	307	173	470
Std. Err. of Entry Mean	68	68	126	71	193
Model R-squared	0.56	0.84	0.62	0.62	0.58
Rye					
Bates RS4	478	1092	2116	1165	4851
NF99362	684	886	2010	1230	4809
Wintergrazer 70	487	885	1112	2192	4676
NF97325	612	843	1872	1235	4561
NF95319B	596	1062	1810	1060	4528
FL 401	953	971	1484	937	4344
FL 104	556	1010	1322	1273	4161
Elbon	536	784	1135	1693	4147
Wrens Abruzzi	426	814	1775	1030	4045
FL 2X 405	830	951	1303	908	3992
Average	616	929	1594	1272	4411 ³
LSD at 10% Level	148	NS	251	192	483
Std. Err. of Entry Mean	61	164	104	80	201
Model R-squared	0.75	0.13	0.84	0.89	0.60

Headland, Alabama:
Wheat, Triticale and Rye Forage Performance, 2018-2019
(Continued)

Brand-Variety	Dry Matter Yield
	2019
	lb/acre
<u>Rye cover crop harvested on 4-12-2019</u>	
NF97325	10917
NF99362	10266
NF95319B	8929
Bates RS4	8817
Elbon	4998
Average	8786
LSD at 10% Level	1272
Model R-squared	0.88

1. C.V. = 7.9%, and df for EMS = 36.

2. C.V. = 9.9%, and df for EMS = 21.

3. C.V. = 9.1%, and df for EMS = 27.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Triticale Silage

Statewide Yield Summary: Triticale Silage Performance, 2018-2019

Brand-Variety	Dry Harvested Yield					
	Tifton		Athens		Statewide	
	2019	2-Yr	2019	2-Yr	2019	2-Yr
	-----tons/acre-----					
FL08128	4.23	5.25	7.20	6.18	5.71	5.68
FL08094	3.90	.	6.66	.	5.28	.
TriCal 342	4.25	5.15	5.98	5.91	5.11	5.50
Monarch	3.78	.	6.25	.	5.01	.
FL01143	3.97	4.78	6.00	5.00	4.98	4.88
Wintermax	3.30	.	6.57	.	4.93	.
TriCal Surge	3.52	4.26	6.24	4.91	4.88	4.59
FL08091	3.85	.	5.83	.	4.84	.
FR 2260	3.70	.	5.66	.	4.68	.
TriCal Merlin Max	3.46	4.35	5.74	4.69	4.60	4.52
Bolt	2.89	.	5.72	.	4.30	.
ACS 14401	3.08	.	4.82	.	3.95	.
Average	3.66	4.76	6.57	5.31	4.86	5.02
LSD at 10% Level	0.36	0.31	0.99	0.72	0.52	0.69
Std. Err. of Entry Mean	0.15	0.13	0.41	0.29	0.22	0.29
Model R-squared	0.76	0.90	0.43	0.74	0.85	0.20

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Athens, Georgia: Triticale Silage Performance, 2018-2019

Brand-Variety	Forage Yield		Dry Matter	Plant Height	Lodging	Head Date	Dry Yield 2-Yr Avg
	Dry	Green ¹					
	-----tons/acre-----		%	in	%		tons/acre
FL08128	7.20	20.6	33.7	56	0	4-07	6.18
FL08094	6.66	19.0	39.0	63	0	4-05	.
Wintermax	6.57	18.8	33.3	43	0	4-06	.
Monarch	6.25	17.9	32.0	54	0	4-10	.
TriCal Surge	6.24	17.8	28.1	57	0	4-20	4.91
FL01143	6.00	17.1	34.9	55	0	4-07	5.00
TriCal 342	5.98	17.1	32.7	54	0	4-06	5.91
FL08091	5.83	16.7	29.5	50	0	4-14	.
TriCal Merlin Max	5.74	16.4	27.2	48	0	4-22	4.69
Bolt	5.72	16.3	25.5	48	0	4-19	.
FR 2260	5.66	16.2	27.0	55	0	4-19	.
ACS 14401	4.82	13.8	24.9	45	0	4-25	.
Average	6.57 ²	17.3	30.6	52	0	4-13	5.31
LSD at 10% Level	0.99	2.8	2.6	2	-	1	0.72
Std. Err. of Entry Mean	0.41	1.2	1.7	1	-	-	0.29
Model R-squared	0.43	0.43	0.86	0.91	-	0.99	0.74

1. Green yields are standardized to 35% dry matter.

2. CV = 13.7%, and df for EMS = 33.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 20, 2018.

Harvested: April 24, 2019. Variety ACS 14401 appeared to be 1 day from heading.

Seeding Rate: 1.5 million seeds/acre (24 seeds/linear foot in 7" rows).

Soil Type: Wickham sandy loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Tifton, Georgia: Triticale Silage Performance, 2018-2019

Brand-Variety	Forage Yield		Dry Matter	Plant Height	Lodging	Head Date	Dry Yield 2-Yr Avg
	Dry	Green ¹					
	-----tons/acre-----		%	in	%		tons/acre
TriCal 342	4.25	12.1	39.3	51	0	3-15	5.15
FL08128	4.23	12.1	40.7	50	0	3-10	5.25
FL01143	3.97	11.3	35.2	57	0	3-10	4.78
FL08094	3.90	11.2	39.7	61	0	3-10	.
FL08091	3.85	11.0	29.0	45	0	4-03	.
Monarch	3.78	10.8	34.4	55	0	3-18	.
FR 2260	3.70	10.6	29.8	44	0	3-25	.
TriCal Surge	3.52	10.1	25.0	41	0	4-10	4.26
TriCal Merlin Max	3.46	9.9	27.2	39	0	.	4.35
Wintermax	3.30	9.4	39.5	38	0	3-05	.
ACS 14401	3.08	8.8	28.8	32	0	.	.
Bolt	2.89	8.3	25.0	33	0	4-11	.
Average	3.66 ²	10.5	32.8	45	0	3-21	4.76
LSD at 10% Level	0.36	1.0	0.7	3	-	1	0.31
Std. Err. of Entry Mean	0.15	0.4	0.3	1	-	-	0.13
Model R-squared	0.76	0.76	0.99	0.96	-	-	0.90

1. Green yields are standardized to 35% dry matter.

2. CV = 8.2%, and df for EMS = 33.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 28, 2018.

Harvested: April 8, 2018.

Seeding Rate: 1.5 million seeds/acre (24 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Fallow.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 50 lb N + 9 lb S/acre after 1st and 2nd harvests.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Oat Forage

All-Locations Yield Summary: Oat Forage Performance, 2018-2019

		Dry Forage Yield									
Company or Brand Name	Variety	Athens		Plains		Tifton		Headland, AL		All Locations	
		2019	2-Yr	2019	2-Yr	2019	2-Yr	2019	2-Yr	2019	2-Yr
----- lb/acre -----											
Clemson	SCLA 0100214	8772	8126	6055	5112	2842	3736	4669	.	5372	5726
Clemson	SCOP 86-4	9254	8497	6414	5076	3365	4230	4681	.	5707	5975
LSU	LA10001SSBS-20-1	10268	.	5892	.	2853	.	5704	.	5907	.
LSU	LA10044SSBS-1	9496	.	5848	.	4040	.	4953	.	5857	.
LSU	LA11074SBSBSBSB-109	8867	.	4879	.	4182	.	4511	.	5392	.
LSU	LA12068SBSB-58-1	11482	.	6044	.	4323	.	5736	.	6591	.
Mayo Fertilizer	Legend 567	.	.	.	.	4639	4767	.	.	.	.
Oregro Seed	Intimidator	8260	.	3430	.	4313	.	3508	.	4652	.
Oregro Seed	Shooter	10769	.	5053	.	4051	.	4805	.	5863	.
Plantation Seed	Horizon 306	11302	9881	5761	4895	3387	4301	5234	.	6095	6298
Plantation Seed	Horizon 720	10791	8696	5554	4493	4312	4732	5106	.	6151	6030
ProGene	NZA 228/15	9769	8929	.	.	3637	4231	.	.	.	.
ProGene	NZA 228/15 & ACS 1440	8481	.	.	.	4247	.	.	.	.	.
ProGene	NZA 228/15 & FR 2260	8385	.	.	.	3997	.	.	.	.	.
ProGene	NZA 29/34	9630	.	.	.	3779	.	.	.	.	.
ProGene	NZA 739/7	8750	.	.	.	3931	.	.	.	.	.
Ragan & Massey	RAM LA99016	9944	8662	6436	5339	3583	4355	5733	.	6189	6211
SCCIA	Graham	9915	8471	5576	4795	2701	3895	5178	.	5571	5796
Texas A&M	TAMO 412	7026	.	5663	.	2407	.	4835	.	4846	.
Texas A&M	TX14OCS5061	7056	.	5630	.	2864	.	4679	.	4924	.
Texas A&M	TX14OCS5098	8943	.	6001	.	3115	.	5273	.	5625	.
Texas A&M	TX14OCS5212	9726	8661	6393	5297	3300	4208	5223	.	5923	6158
Trical	Exp 19 0 01	.	.	5554	.	.	.	.	.	.	.
Trical	Exp 19 0 02	.	.	4998	.	.	.	.	.	.	.
UF	UF 1	10201	.	3942	.	4226	.	4491	.	5416	.
UF	UF 2	9557	.	3920	.	5075	.	4596	.	5536	.
UF	UF 3	9547	.	3713	.	4868	.	4761	.	5467	.
UF	UF 5	8305	.	3365	.	3855	.	4622	.	4819	.
UF	UF 9	9487	.	3790	.	4661	.	5237	.	5547	.
UF	UF 10	9224	.	3463	.	4726	.	4947	.	5348	.
Average		9378	8740	5141	5001	3831	4273	4931	-	5582	6027
LSD at 10% Level		1375	NS	499	395	539	419	579	-	398	308
Std. Err. of Entry Mean		580	422	212	235	229	177	245	-	170	132
Model R-squared		0.69	0.59	0.89	0.87	0.77	0.76	0.59	-	0.93	0.89

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Note: ACS 14401 and FR 2260 are spring-type triticale varieties blended with oat variety NZA 228/15. These blends are included in the oat test instead of the triticale test to avoid herbicide damage to the oat component.

Athens, Georgia: Oat Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2-5-19	3-20-19	4-23-19	2019	2-Yr Avg
	----- lb/acre -----				
LA12068SBSB-58-1	5092	2688	3702	11482	.
Horizon 306	4490	3142	3671	11302	9881
Horizon 720	5349	2525	2918	10791	8696
Shooter	4988	2456	3325	10769	.
LA10001SSBS-20-1	3108	3610	3550	10268	.
UF 1	3552	2417	4233	10201	.
RAM LA99016	2873	3363	3708	9944	8662
Graham	3354	2956	3605	9915	8471
NZA 228/15	4024	2555	3190	9769	8929
TX14OCS5212	3234	3309	3182	9726	8661
NZA 29/34	4176	2515	2941	9630	.
UF 2	4023	1763	3771	9557	.
UF 3	4024	1618	3905	9547	.
LA10044SSBS-1	3457	3017	3022	9496	.
UF 9	3576	2112	3798	9487	.
SCOP 86-4	2577	3268	3409	9254	8497
UF 10	4176	1637	3412	9224	.
TX14OCS5098	2746	2712	3485	8943	.
LA11074SBSBSBSB-109	4530	1767	2569	8867	.
SCLA 0100214	2993	3069	2709	8772	8126
NZA 739/7	4296	1716	2739	8750	.
NZA 228/15 & ACS 14401	3478	2215	2789	8481	.
NZA 228/15 & FR 2260	3103	2878	2404	8385	.
UF 5	3006	1731	3567	8305	.
Intimidator	3869	1554	2837	8260	.
TX14OCS5061	1008	2841	3207	7056	.
TAMO 412	1069	2419	3538	7026	.
Average	3562	2513	3303	9378 ¹	8740
LSD at 10% Level	997	730	453	1375	NS
Std. Err. of Entry Mean	421	308	191	580	422
Model R-squared	0.77	0.68	0.77	0.69	0.59

1. C.V. = 10.7%, and df for EMS = 52.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 1, 2018.

Seeding Rate: 1.8 million seeds/acre (30 seeds/linear foot in 7" rows).

Soil Type: Chewacla silt loam.

Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd and 3rd harvests.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Plains, Georgia: Oat Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1-10-19	2-15-19	3-21-19	2019	2-Yr Avg
	----- lb/acre -----				
RAM LA99016	1263	1557	3616	6436	5339
SCOP 86-4	1274	1786	3354	6414	5076
TX14OCS5212	1133	1775	3485	6393	5297
SCLA 0100214	1209	1666	3180	6055	5112
LA12068SBSB-58-1	1274	1634	3136	6044	.
TX14OCS5098	1198	1612	3191	6001	.
LA10001SSBS-20-1	1394	1372	3126	5892	.
LA10044SSBS-1	1427	1394	3028	5848	.
Horizon 306	1002	1470	3289	5761	4895
TAMO 412	1165	1285	3213	5663	.
TX14OCS5061	860	1274	3496	5630	.
Graham	937	1612	3028	5576	4795
Horizon 720	1133	1514	2908	5554	4493
Exp 19 0 01	1154	1525	2875	5554	.
Shooter	1198	1274	2581	5053	.
Exp 19 0 02	948	1405	2646	4998	.
LA11074SBSBSBSB-109	1329	1024	2527	4879	.
UF 1	1144	773	2026	3942	.
UF 2	1198	577	2145	3920	.
UF 9	1067	653	2069	3790	.
UF 3	1362	599	1753	3713	.
UF 10	1579	360	1525	3463	.
Intimidator	1253	544	1633	3430	.
UF 5	1307	578	1481	3365	.
Average	1200	1219	2721	5141 ¹	5001
LSD at 10% Level	283	270	393	499	395
Std. Err. of Entry Mean	119	114	166	212	235
Model R-squared	0.45	0.84	0.85	0.89	0.87

1. C.V. = 8.2%, and df for EMS = 69.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: October 19, 2018.

Seeding Rate: 1.8 million seeds/acre (30 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd and 3rd harvests.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Oat Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1-10-19	2-15-19	3-21-19	2019	2-Yr Avg
	----- lb/acre -----				
UF 2	1503	1285	2287	5075	.
UF 3	1514	1710	1644	4868	.
UF 10	1361	1797	1568	4726	.
UF 9	1459	1612	1590	4661	.
Legend 567	1547	1253	1840	4639	4767
LA12068SBSB-58-1	1307	969	2047	4323	.
Intimidator	1448	1143	1721	4313	.
Horizon 720	1209	969	2135	4312	4732
NZA 228/15 & ACS 14401	1351	784	2113	4247	.
UF 1	1165	1536	1525	4226	.
LA11074SBSBSB-109	1144	1263	1775	4182	.
Shooter	1318	882	1852	4051	.
LA10044SSBS-1	969	861	2211	4040	.
NZA 228/15 & FR 2260	1187	751	2058	3997	.
NZA 739/7	1078	1089	1764	3931	.
UF 5	980	1220	1655	3855	.
NZA 29/34	1078	893	1808	3779	.
NZA 228/15	1187	817	1634	3637	4231
RAM LA99016	1328	621	1634	3583	4355
Horizon 306	1231	512	1645	3387	4301
SCOP 86-4	1209	370	1786	3365	4230
TX14OCS5212	1045	686	1568	3300	4208
TX14OCS5098	926	316	1873	3115	.
TX14OCS5061	1111	338	1416	2864	.
LA10001SSBS-20-1	926	403	1525	2853	.
SCLA 0100214	947	403	1492	2842	3736
Graham	1002	468	1231	2701	3895
TAMO 412	741	196	1470	2407	.
Average	1188	898	1745	3831 ¹	4273
LSD at 10% Level	227	323	334	539	419
Std. Err. of Entry Mean	96	137	142	229	177
Model R-squared	0.61	0.79	0.52	0.77	0.76

1. C.V. = 12.0%, and df for EMS = 81.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: October 18, 2018.

Seeding Rate: 1.8 million seeds/acre (30 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Previous Crop: Fallow.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 50 lb N + 9 lb S/acre after 1st and 2nd harvests.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Headland, Alabama: Oat Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				Season Total
	Harvest Date				
	12-13-18	1-11-19	2-22-19	4-12-19	
	----- lb/acre -----				
LA12068SBSB-58-1	410	1326	1413	2588	5736
RAM LA99016	430	952	1875	2477	5733
LA10001SSBS-20-1	237	721	1401	3346	5704
TX14OCS5098	322	747	1385	2820	5273
UF 9	542	1122	1053	2520	5237
Horizon 306	667	619	1511	2436	5234
TX14OCS5212	217	718	1690	2599	5223
Graham	269	861	1760	2289	5178
Horizon 720	639	903	1240	2324	5106
LA10044SSBS-1	404	794	1681	2074	4953
UF 10	715	990	1016	2226	4947
TAMO 412	359	696	1654	2126	4835
Shooter	605	1203	1282	1715	4805
UF 3	492	911	1021	2338	4761
SCOP 86-4	398	583	1481	2220	4681
TX14OCS5061	280	533	1225	2641	4679
SCLA 0100214	245	666	1586	2172	4669
UF 5	672	912	951	2087	4622
UF 2	504	957	922	2212	4596
LA11074SBSBSBSB-109	538	1038	848	2088	4511
UF 1	454	1069	950	2019	4491
Intimidator	648	912	739	1209	3508
Average	457	874	1304	2297	4931 ¹
LSD at 10% Level	201	214	289	518	579
Std. Err. of Entry Mean	85	91	123	220	245
Model R-squared	0.58	0.63	0.72	0.55	0.59

1. C.V. = 9.9%, and df for EMS = 63.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Ryegrass Forage

All-Locations Yield Summary:

Ryegrass Forage Performance, 2018-2019

		Dry Forage Yield									
Company or Brand Name	Variety	Calhoun		Athens		Plains		Tifton		All Locations	
		2019	2-Yr	2019	2-Yr	2019	2-Yr	2019	2-Yr	2019	2-Yr
-----lb/acre-----											
Allied Seed	Fria	11671	10433	11501	9284	7506	6395	6012	7989	9172	8562
Grassland Oregon	Lonestar	10202	9484	12243	10156	7282	6730	6469	8310	9049	8657
Grassland Oregon	Tetrastar	9837	9178	11677	10094	7269	6437	5946	8312	8682	8607
Lewis Seed	Grits Diploid	10322	9647	11252	10031	7681	6696	6371	7790	8906	8593
Lewis Seed	LSC-B1191 Diploid	10097	9378	11491	9644	7432	6637	6207	7990	8807	8399
Oregro	07-ME	9786	.	9333	.	7232	.	4661	.	7753	.
Oregro	07-WW	10320	.	8570	.	7091	.	5510	.	7873	.
Oregro	Diamond T	10671	9532	8715	8261	7600	6880	5391	7882	8094	8219
Oregro	Double Diamond	9602	.	11998	.	7849	.	4323	.	8443	.
Oregro	Flying A	9066	8983	11053	9647	7600	6841	6066	7760	8446	8298
Oregro	K014-WEAR	9762	.	11109	.	7611	.	5053	.	8202	.
Oregro	K014-WEMA	11025	.	11794	.	7265	.	5750	.	8958	.
Oregro	K014-WLS	9763	.	10833	.	7175	.	5772	.	8386	.
Oregro	K014-WM	9872	.	10421	.	7317	.	4857	.	8117	.
Oregro	TAMTBO	9874	9106	11927	9852	7854	7191	4574	7310	8557	8500
Oregro	Triangle T	11214	.	9663	.	7116	.	5042	.	8259	.
Oregro	Winterhawk	9483	9255	9878	8524	6403	6036	5097	7458	7715	7833
Pennington	Marvel	11295	.	8788	.	7415	.	4639	.	8034	.
Pennington	Passerel Plus	9326	8928	9695	8919	7292	6580	4846	6925	7790	7981
Ragan & Massey	Earlyploid	10899	9130	11603	9781	7277	6403	5031	6924	8703	8021
Ragan & Massey	Prine	9835	9218	11938	9757	7391	6797	4999	7786	8541	8497
Ragan & Massey	RM4L	10875	9711	10571	9733	7187	6622	5946	8076	8645	8660
Smith Seed	Attain	10150	9321	10484	9279	7613	6569	5597	7734	8461	8382
Smith Seed	Baqueuano	11261	.	9596	.	7021	.	5521	.	8350	.
Smith Seed	Big Boss	9738	8953	10525	9512	6874	6195	5608	7805	8186	8268
Smith Seed	FrostProof	10496	9601	10378	9228	7215	6667	5609	7449	8424	8291
Smith Seed	Master	10431	.	10520	.	6919	.	4923	.	8198	.
Smith Seed	Rapido	8658	.	9400	.	7373	.	7057	.	8122	.
Smith Seed	SELWT 110	8980	.	7360	.	6245	.	3910	.	6624	.
Smith Seed	Trinova	10285	.	9662	.	7572	.	4977	.	8124	.
UF	FL 4X C	.	.	.	.	.	.	6795	6795	.	.
UF	FL 4X Late	.	.	.	.	.	.	5804	.	.	.
UF	FL 4X R 16	.	.	.	.	.	.	6610	8682	.	.
UF	FL ER	.	.	.	.	.	.	6284	.	.	.
UF	FL P16 GRB	.	.	.	.	.	.	4596	7115	.	.
UF	FL SER	.	.	.	.	.	.	6872	6872	.	.
UGA	GALM1516	9904	.	11991	.	7597	.	6262	.	8938	.
UGA	GALM1517	10314	.	10800	.	7028	.	5728	.	8468	.
UGA	GALM1618	10450	.	10670	.	7767	.	6295	.	8795	.
Wax Seed	Jackson	9373	8980	10776	9106	6880	6574	5282	7677	8077	8172
Wax Seed	M2CVS EXP	9986	9686	9245	8559	6705	6653	4116	6720	7513	7929
Wax Seed	ME-4 EXP	12394	11219	12049	10625	8012	7249	6000	8400	9614	9474
Wax Seed	ME-94 EXP	11199	10002	9648	8654	7262	6715	4291	7362	8100	8261
Wax Seed	Nelson Tetraploid	9970	9302	11826	9872	7832	6840	4433	7292	8515	8402
Wax Seed	Wax Marshall	11311	10328	11960	9970	7503	7010	5369	8000	9036	8834
Wax Seed	WMWL	10701	9697	10291	9264	7118	6851	4835	7145	8236	8242
Wax Seed	WMWL-2	10279	.	10457	.	7673	.	4715	.	8281	.
Average		10260	9525	10574	9467	7318	6677	5448	7643	8371	8395
LSD at 10% Level		NS	872	2155	NS	NS	535	1222	827	885	449
Std. Err. of Entry Mean		677	372	915	580	353	229	522	341	379	193
Model R-squared		0.37	0.56	0.54	0.55	0.36	0.61	0.49	0.88	0.75	0.72

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Italicized lines are experimental varieties not currently on the market.

Calhoun, Georgia: Ryegrass Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	4-4-19	4-30-19	5-23-19	2019	2-Yr Avg
	----- lb/acre -----				
07-ME	1710	5728	2349	9786	.
07-WW	2105	6134	2081	10320	.
Attain	2778	5094	2278	10150	9321
Baqueuano	3754	5167	2340	11261	.
Big Boss	3253	4499	1988	9738	8953
Diamond T	3249	5395	2027	10671	9532
Double Diamond	2376	5137	2088	9602	.
Earlyploid	4265	4630	2004	10899	9130
Flying A	2666	4801	1600	9066	8983
Fria	4238	5752	1681	11671	10433
FrostProof	3123	5777	1597	10496	9601
GALM1516	2993	5170	1741	9904	.
GALM1517	2713	5534	2067	10314	.
GALM1618	3248	4842	2360	10450	.
Grits Diploid	3100	5248	1975	10322	9647
Jackson	989	6167	2217	9373	8980
K014-WEAR	1483	5670	2609	9762	.
K014-WEMA	2421	5878	2727	11025	.
K014-WLS	2735	4956	2073	9763	.
K014-WM	2380	5702	1791	9872	.
Lonestar	2857	5536	1809	10202	9484
LSC-B1191 Diploid	2450	5569	2079	10097	9378
M2CVS EXP	1476	5625	2885	9986	9686
Marvel	3688	5634	1973	11295	.
Master	2771	5558	2102	10431	.
ME-4 EXP	3851	5867	2676	12394	11219
ME-94 EXP	2987	5811	2402	11199	10002
Nelson Tetraploid	2867	4771	2333	9970	9302
Passerel Plus	1497	5087	2743	9326	8928
Prine	2892	5007	1936	9835	9218
Rapido	2907	3928	1824	8658	.
RM4L	3277	5234	2365	10875	9711
SELWT 110	1782	4380	2818	8980	.
TAMTBO	2547	5015	2313	9874	9106
Tetrastar	3397	4643	1797	9837	9178
Triangle T	3821	5235	2158	11214	.
Trinova	2837	5453	1995	10285	.
Wax Marshall	2996	5817	2498	11311	10328
Winterhawk	1227	5809	2447	9483	9255
WMWL	2969	5437	2295	10701	9697
WMWL-2	2134	6028	2118	10279	.
Average	2751	5335	2175	10260 ¹	9525
LSD at 10% Level	1462	899	466	NS	872
Std. Err. of Entry Mean	624	384	199	677	372
Model R-squared	0.45	0.46	0.69	0.37	0.56

1. C.V. = 13.2%, and df for EMS = 120.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 30, 2018. Seeding Rate: 50 lb/acre in 7" rows.

Soil Type: Waynesboro loam. Previous Crop: Corn.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 32 lb N, 80 lb P₂O₅, and 105 lb K₂O/acre.

Topdress: 70 lb N/acre after 1st and 2nd harvests.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, M. Tucker, and T. Turnquist.

Athens, Georgia: Ryegrass Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	3-19-19	4-18-19	5-14-19	2019	2-Yr Avg
	lb/acre				
Lonestar	7567	2840	1835	12243	10156
ME-4 EXP	5612	3722	2714	12049	10625
Double Diamond	6720	3448	1830	11998	.
GALM1516	7110	3270	1612	11991	.
Wax Marshall	6437	3619	1904	11960	9970
Prine	6057	3538	2344	11938	9757
TAMTBO	7061	3043	1823	11927	9852
Nelson Tetraploid	6139	3441	2246	11826	9872
K014-WEWA	6506	3292	1996	11794	.
Tetrastar	6691	3104	1882	11677	10094
Earlyploid	6036	3723	1845	11603	9781
Fria	6328	3369	1804	11501	9284
LSC-B1191 Diploid	6666	3129	1697	11491	9644
Grits Diploid	5931	3511	1810	11252	10031
K014-WEAR	5360	3653	2096	11109	.
Flying A	5810	3513	1731	11053	9647
K014-WLS	5483	3383	1967	10833	.
GALM1517	5485	3301	2015	10800	.
Jackson	5318	3724	1734	10776	9106
GALM1618	5797	2931	1942	10670	.
RM4L	5470	3000	2102	10571	9733
Big Boss	4920	3525	2080	10525	9512
Master	4921	3280	2320	10520	.
Attain	5353	3367	1764	10484	9279
WMWL-2	5162	3457	1839	10457	.
K014-WM	5435	3267	1719	10421	.
FrostProof	5914	2706	1758	10378	9228
WMWL	5190	3288	1812	10291	9264
Winterhawk	4608	3387	1884	9878	8524
Passerel Plus	4596	3226	1873	9695	8919
Triangle T	4800	3398	1466	9663	.
Trinova	4416	3031	2216	9662	.
ME-94 EXP	4291	3478	1879	9648	8654
Baqueano	4241	2998	2357	9596	.
Rapido	4259	3554	1587	9400	.
07-ME	4209	3292	1831	9333	.
M2CVS EXP	3036	4143	2066	9245	8559
Marvel	3305	3398	2084	8788	.
Diamond T	3922	2998	1794	8715	8261
07-WW	3382	3396	1793	8570	.
SELWT 110	2727	3237	1396	7360	.
Average	5323	3339	1912	10574 ¹	9467
LSD at 10% Level	2169	521	346	2155	NS
Std. Err. of Entry Mean	921	221	147	915	580
Model R-squared	0.51	0.43	0.51	0.54	0.55

1. C.V. = 17.3%, and df for EMS = 119.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 1, 2018. Seeding Rate: 50 lb/acre in 7" rows.

Soil Type: Chewacla silt loam. Previous Crop: Fallow.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 240 lb P₂O₅, and 230 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st and 2nd harvests.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Plains, Georgia: Ryegrass Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1-10-19	2-15-19	3-22-19	2019	2-Yr Avg
	----- lb/acre -----				
ME-4 EXP	1241	1557	5214	8012	7249
TAMTBO	1242	1699	4914	7854	7191
Double Diamond	1133	1743	4974	7849	.
Nelson Tetraploid	1067	1786	4979	7832	6840
GALM1618	991	1601	5176	7767	.
Grits Diploid	1100	1819	4763	7681	6696
WMWL-2	806	1383	5484	7673	.
Attain	817	2091	4705	7613	6569
K014-WEAR	719	1655	5237	7611	.
Flying A	915	1634	5052	7600	6841
Diamond T	893	2037	4670	7600	6880
GALM1516	1242	1764	4591	7597	.
Trinova	1176	1775	4620	7572	.
Fria	926	1579	5001	7506	6395
Wax Marshall	817	1394	5293	7503	7010
LSC-B1191 Diploid	1089	1721	4622	7432	6637
Marvel	871	1710	4834	7415	.
Prine	948	1688	4756	7391	6797
Rapido	893	1579	4901	7373	.
K014-WM	969	1797	4551	7317	.
Passerel Plus	980	1448	4864	7292	6580
Lonestar	1100	1590	4592	7282	6730
Earlyploid	937	1590	4750	7277	6403
Tetrastar	991	1471	4808	7269	6437
K014-WEMA	817	1503	4945	7265	.
ME-94 EXP	882	1252	5128	7262	6715
07-ME	926	1427	4880	7232	.
FrostProof	1089	1699	4428	7215	6667
RM4L	904	1666	4617	7187	6622
K014-WLS	784	1514	4877	7175	.
WMWL	719	1361	5038	7118	6851
Triangle T	1263	1536	4317	7116	.
07-WW	762	1318	5011	7091	.
GALM1517	1013	1470	4545	7028	.
Baqueuano	926	1547	4549	7021	.
Master	871	1688	4360	6919	.
Jackson	926	1525	4429	6880	6574
Big Boss	882	1906	4086	6874	6195
M2CVS EXP	719	1394	4592	6705	6653
Winterhawk	697	1438	4268	6403	6036
SELWT 110	969	1372	3904	6245	.
Average	951	1602	4764	7318 ¹	6677
LSD at 10% Level	259	268	641	NS	535
Std. Err. of Entry Mean	111	114	274	353	229
Model R-squared	0.50	0.53	0.34	0.36	0.61

1. C.V. = 9.6%, and df for EMS = 120.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 19, 2018. Seeding Rate: 50 lb/acre in 7" rows.

Soil Type: Greenville sandy clay loam. Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, 50 lb K₂O/acre.
Topdress: 50 lb N/acre after 1st, 2nd and 3rd harvests.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Ryegrass Forage Performance, 2018-2019

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	12-7-18	1-23-19	4-10-19	2019	2-Yr Avg
	-----lb/acre-----				
Rapido	675	1470	4911	7057	.
FL SER	784	2331	3757	6872	6872
FL 4X C	850	1187	4759	6795	6795
FL 4X R 16	555	697	5358	6610	8682
Lonestar	730	697	5042	6469	8310
Grits Diploid	665	1111	4595	6371	7790
GALM1618	1002	741	4552	6295	.
FL ER	523	1721	4040	6284	.
GALM1516	577	871	4813	6262	.
LSC-B1191 Diploid	730	926	4552	6207	7990
Flying A	839	958	4269	6066	7760
Fria	697	741	4574	6012	7989
ME-4 EXP	719	599	4683	6000	8400
Tetrastar	697	599	4650	5946	8312
RM4L	860	719	4367	5946	8076
FL 4X Late	719	817	4269	5804	.
K014-WLS	512	588	4672	5772	.
K014-WEMA	566	490	4694	5750	.
GALM1517	752	610	4367	5728	.
FrostProof	665	730	4214	5609	7449
Big Boss	621	577	4411	5608	7805
Attain	653	904	4040	5597	7734
Baqueuano	730	1155	3637	5521	.
07-WW	730	730	4051	5510	.
Diamond T	882	381	4128	5391	7882
Wax Marshall	763	534	4073	5369	8000
Jackson	719	1143	3420	5282	7677
Winterhawk	458	675	3964	5097	7458
K014-WEAR	654	653	3746	5053	.
Triangle T	686	359	3997	5042	.
Earlyploid	784	556	3692	5031	6924
Prine	730	523	3746	4999	7786
Trinova	730	664	3583	4977	.
Master	665	523	3735	4923	.
K014-WM	621	370	3866	4857	.
Passerel Plus	751	545	3550	4846	6925
WMWL	719	316	3801	4835	7145
WMWL-2	730	457	3529	4715	.
07-ME	479	458	3725	4661	.
Marvel	675	556	3409	4639	.
FL P16 GRB	544	588	3463	4596	7115
TAMTBO	643	359	3572	4574	7310
Nelson Tetraploid	795	860	2777	4433	7292
Double Diamond	741	338	3245	4323	.
ME-94 EXP	893	577	2821	4291	7362
M2CVS EXP	370	588	3158	4116	6720
SELWT 110	752	719	2440	3910	.

Tifton, Georgia:
Ryegrass Forage Performance, 2018-2019
(Continued)

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	12-7-18	1-23-19	4-10-19	2019	2-Yr Avg
	----- lb/acre -----				
Average	694	738	4015	5448 ¹	7643
LSD at 10% Level	211	444	1015	1222	827
Std. Err. of Entry Mean	90	190	433	522	341
Model R-squared	0.41	0.57	0.47	0.49	0.88

1. C.V. = 19.2%, and df for EMS = 138.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: October 18, 2018.

Seeding Rate: 50 lb/acre in 7" rows.

Soil Type: Tifton loamy sand.

Previous Crop: Fallow.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: Preplant: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

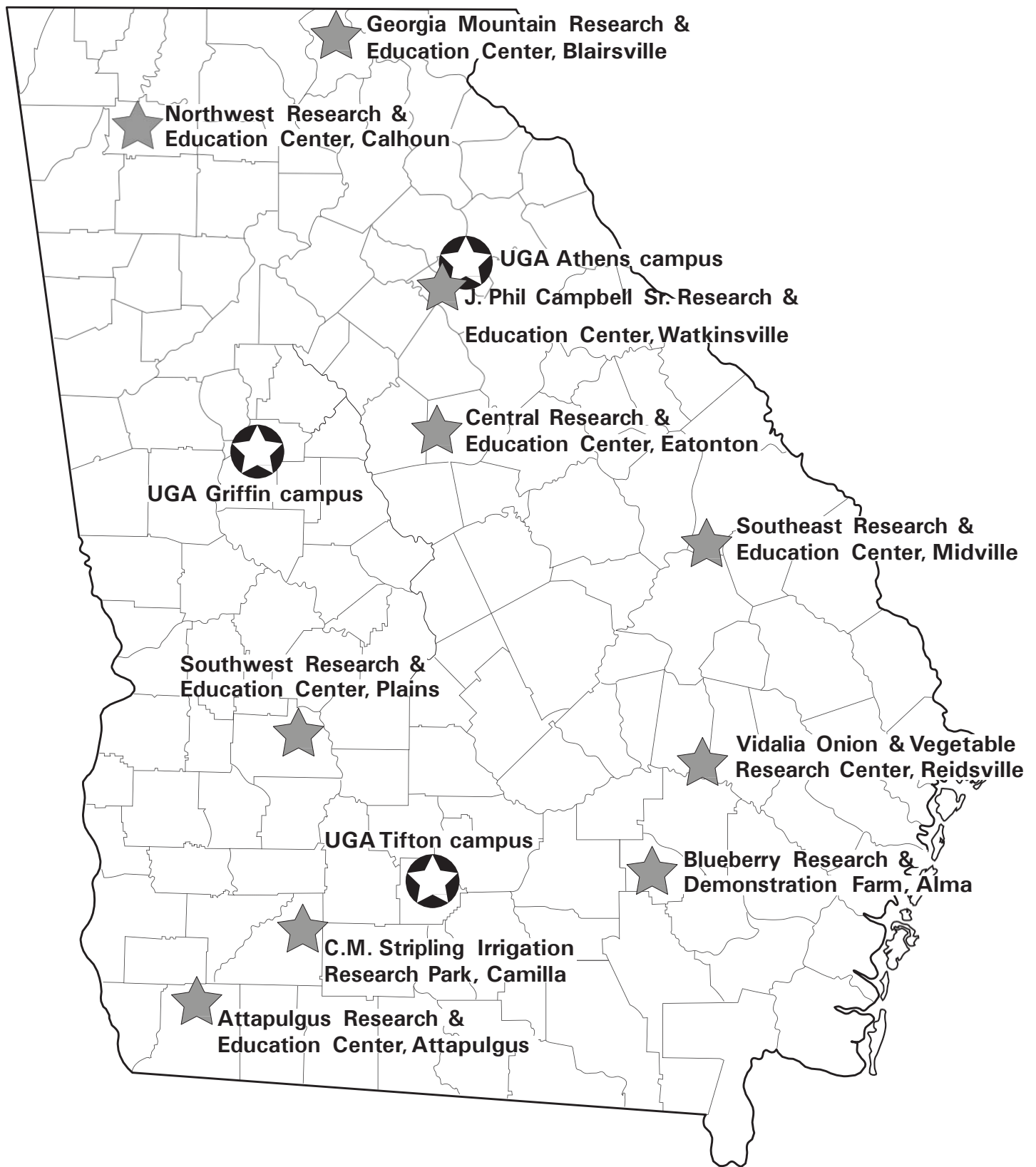
Topdress: 50 lb N + 9 lb S/acre after 1st and 2nd harvests.

Management: Conventional tillage.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Sources of Seed for the 2018-2019 Small Grain Performance Tests

Company or Brand Name	Seed Source
AgriMAXX	AgriMAXX Wheat Company, 7167 Highbanks Road, Masscutah, IL 62258
AGSouth	AGSouth Genetics, PO Box 72246, Albany, GA 31708
Allied Seed	Allied Seed, LLC, 1108 Hilldale Drive, Macon, MO 63552
Armor Seed	Armor Seed, LLC, 2532 Alexander Drive Suite B, Jonesboro, AR 72401
Clemson	Clemson University, 179 Old Cherry Road, Clemson, SC 29634
Pioneer	Corteva Agriscience, PO Box 80705, CRP 705/L1S11, Wilmington, DE 19880-0705
Dyna-Gro	Dyna-Gro Seed, 1201 N. Main St., Moultrie, GA 31768
Progeny	Erwin-Keith, Inc., 1529 HWY 193, Wynne, AR 72396
Grassland Oregon	Grassland Oregon, 4455 60th Ave NE, Salem, OR 97305
GSDC	Georgia Seed Development Commission, 2420 S Millidge Ave, Athens, GA 30605
KWS Cereals	KWS Cereals, 4101 Colleen Dr, Champaign, IL 61822
Lewis Seed	Lewis Seed Company, PO Box 100, Shedd, OR 97377
Limagrain	Limagrain Cereal Seeds, 2040 SE Frontage Rd, Fort Collins, CO 80525
Local Seed	Local Seed Company LLC, 802 Rozelle St, Memphis, TN 38104
LSU	Louisiana State University, LSU-SPESS, 104 MB Sturgis Hall, Baton Rouge, LA 70803-2110
Mayo Fertilizer	Mayo Fertilizer Inc, 413 NE McCloskey Ave, Lake City, FL 32055
Southern Harvest	Meherrin Ag & Chemical, 5745 Brushy Meadows Dr., Fuquay Varina, NC 27526
NCSU	NC State University, PO Box 7269, Raleigh, NC 27695
Noble	Noble Research Institute, 2510 Sam Noble Parkway, Ardmore, OK 73401
Ogletree Seed	Ogletree Seed Inc, (404) 535-8511
Oregro Seed	Oregro Seeds Inc, 33080 Red Bridge Rd, Albany, OR 97323
Pennington	Pennington Seed, PO Box 290, Madison, GA 30650
Horizon	Plantation Seed Conditioners Inc, PO Box 398, Newton, GA 39870
ProGene	ProGene Plant Research, 860 S Crestline, Ottello, WA 99344
Ragan & Massey	Ragan and Massey, 101 Ponchatoula Parkway, Ponchatoula, LA 70454
Smith Seed	Smith Seed Services, PO Box 288, Hasley, OR 97348
SCCIA	South Carolina Crop Improvement Association, 1162 Cherry Road, Clemson, SC 29634
Go Wheat	Stratton Seed Company, 1530 Hwy 79 South, Stuttgart, AR 72160
AgriPro	Syngenta Cereals, 14031 Trestle Rd, Highland, IL 62249
TAMU (forage)	Texas A&M AgriLife Research, 370 Olsen Blvd Heep Center, College Station, TX 77843-2474
TAMU (grain)	Texas A&M AgriLife Research, 2600 S Neal, Commerce, TX 75429
Wax Seed	The Wax Company, PO Box 605, Armory, MS 38821
TriCal	TriCal Superior Forage, 2355 Rice Pike, Union, KY 41091
UniSouth	UniSouth Genetics, 3205 C HWY 46 S, Dickson, TN 37055
U of A	University of Arkansas, 495 N. Campus Dr., PTSC 115, Fayetteville, AR 72701
UF	University of Florida, 155 Research Road, Quincy, FL 32351
UGA (ryegrass)	University of Georgia, CAJT Building, 111 Riverbend Rd., Athens, GA 30683
UGA (wheat)	University of Georgia, 1110 Experiment Street, Griffin, GA 30224
UMD	University of Maryland, 1116 Research Greenhouse Complex, U of MD, College Park, MD 20742
VA Tech	VA Tech, 2229 Menokin Road, Warsaw, VA 22572



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