

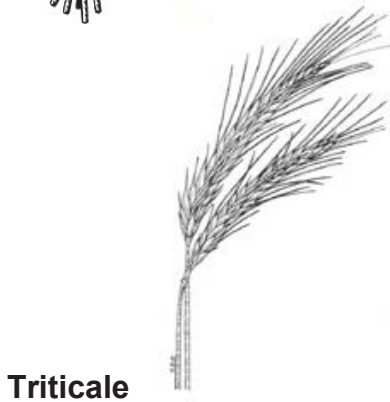
The Georgia Agricultural Experiment Stations
Department of Crop and Soil Sciences
College of Agricultural and Environmental Sciences
University of Georgia Griffin Campus

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Georgia

2017-2018 Small Grain Performance Tests

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



Conversion Table

U.S. Abbr.	Unit	Approximate Metric Equivalent
Length		
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft or ' in or "	foot inch	30.48 centimeters 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

Metric Abbr.	Unit	Approximate U.S. Equivalent
Length		
km	kilometer	0.62 mile
m	meter	39.37 inches or 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
Area		
ha	hectare	2.47 acres
Volume/Capacity		
liter	liter	61.02 cubic inches or 1.057 quarts
ml	milliliter	0.06 cubic inch or 0.034 fluid ounce
cc	cubic centimeter	0.061 cubic inch or 0.035 fluid ounce
Mass/Weight		
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5 x 10 ⁻⁵ ounce

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PREFACE

This research report presents results of the 2017-2018 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. Small grain forage evaluation tests were conducted at four locations in Georgia/Florida, including Tifton and Plains in the Coastal Plain region, Athens in the Piedmont region, Calhoun in the Limestone Valley region, and in Marianna, Florida. Prior to 2017, Piedmont region trials were located in Griffin. 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 13.5% moisture for wheat, 13% moisture for triticale and rye, 12.5% moisture for oats, and 12% moisture for barley. 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: 2017 Corn Performance Tests (Annual Publication 101-9); 2017 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication 103-9); and 2017 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication 104-9).

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.

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2017-2018 SMALL GRAIN PERFORMANCE TESTS

*Edited by Daniel J. Mailhot, Dustin G. Dunn,
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The Season

The fall of 2017 provided adequate moisture for planting, and was a substantial improvement over the previous fall. Moisture remained adequate through the remainder of the season, but excessive rain in late May and June caused harvest delays for some.

2017-2018 Rainfall¹

Month	Year	Calhoun ²	Athens ³	Midville	Plains	Tifton	Marianna, FL ⁴
----- inches -----							
October	2017	5.6	4.0	1.9	2.8	2.1	1.0
November	2017	0.9	1.6	1.5	0.9	0.7	0.2
December	2017	4.9	3.1	7.9	2.9	3.7	2.8
January	2018	1.4	4.8	3.3	1.5	2.3	4.3
February	2018	7.7	3.6	2.6	5.2	4.4	10.1
March	2018	4.9	3.2	4.3	3.0	3.4	4.5
April	2018	4.7	5.4	2.8	5.6	2.8	3.7
May	2018	2.9	4.8	7.7	8.0	6.9	5.1
Total (8 months)		33.0	30.5	32.0	29.9	26.3	31.7
Normal (8 months)		37.2	31.8	27.9	31.6	28.9	32.6

1. Data for Georgia sites collected by Dr. Ian Flitcroft, UGA-Griffin, Griffin, Ga.
2. Floyd County location.
3. Iron Horse Plant Sciences Farm, Watkinsville, Ga. Listed as "Penfield" on www.weather.uga.edu.
4. University of Florida North Florida Research and Education Center location.

Winter temperatures were cooler than in the two previous years, allowing adequate vernalization for most wheat varieties. Spring freezes were relatively mild and avoided the severe damage that occurred in 2017.

Hours under 45 °F

Year	Calhoun ¹	Athens ²	Midville	Plains	Tifton	Marianna, FL
2013	1605	1431	980	895	679	570
2014	1863	1687	1194	1203	962	922
2015	1722	1597	1187	1154	921	799
2016	1310	1025	791	764	637	519
2017	1175	981	725	593	463	387
2018 ³	1503	1321	1075	976	844	755

1. Floyd County location.
2. Watkinsville, Ga.
3. November 15, 2017 to April 1, 2018.

During 2018, oat planted and harvested acreages increased somewhat from 2017. Rye planted acreage decreased by 10%, however it is primarily used as a forage and cover crop. Wheat planted acreage increased by 31%, but estimates suggest harvested acreage did not increase proportionally.

Small Grains Acres (thousands) by Harvest Year¹

		2013	2014	2015	2016	2017	2018
Oat	Planted ²	50	60	65	45	50	70
	Harvested ³	18	20	25	15	20	25
Rye	Planted ²	190	170	210	200	250	190
	Harvested ³	40	20	30	30	35	20
Wheat	Planted ²	430	300	215	180	160	210
	Harvested ³	360	230	145	110	90	90

1. Data obtained from the National Agricultural Statistics Service.
2. Includes plantings for forage, silage, and cover crop uses.
3. Harvested for grain.

Recommended Varieties for 2018

Recommended Grain Varieties for 2018

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 2027 (S) *AGS 2033 (S) *AGS 2035 (S) AGS 2038 (C) AGS 2055 (P) AGS 3000 (C) AGS 3030 (S) AGS 3040 (S)	*Dyna-Gro 9171 (P) ³ *Dyna-Gro 9522 (P) Dyna-Gro Savoy (S) Go Wheat 2032 (C) ² Hilliard (P) ³ *PGX 16-1 (P) PGX 16-4 (P) Pioneer 26R10 (P)	Pioneer 26R41 (P) ² Pioneer 26R59 (P) ³ Pioneer 26R94 (C) SH 5550 (S) SS 8415 (P) SY Viper (P) #Turbo (C) USG 3536 (P)
Triticale	NF201 (S)	Trical 342 (S)	

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 2019.

Recommended Oat, Wheat, Rye, and Triticale Forage Varieties for 2018

Oat	Horizon 306 (S) *Horizon 720 (S) ⁴	*Legend 567 (C) ⁴ NF402 (S) ³	RAM LA99016 (S) TAMO 606 (C)
Wheat	AGS 2024 (S) *AGS 2033 (C) *AGS 2038 (S)	Dyna-Gro Savoy (S) GrazeAll (S) Pioneer 26R10 (S)	Pioneer 26R41 (S) Pioneer 26R94 (C)
Rye	Bates RS4 (S) *Elbon (C) *Florida 401 (C) ²	Kelly Grazer III (S) *Maton (C) *Maton II (S)	*Oklon (S) Wrens Abruzzi (S)
Triticale	FL 01143 (C) ^{2,3}	NF 201 (S) ³	Trical 342 (S)

1. P = Piedmont; C = Coastal Plain; S = Statewide.
 2. Suitable for early planting.
 3. Seed may be limited in 2018-2019.
 4. Resistant to crown rust
- * To be dropped from list in 2019.

Recommended Ryegrass Forage Varieties for 2018

Variety	Recommended Locations and Preferred Growth Timing								
	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
Diamond T	yes	.	yes	.	.	.	.	.	.
Earlyploid	yes	.	yes	yes	.	yes	yes	.	yes
Flying A	yes	.	yes	yes	.	.	.	.	.
Fria	.	.	.	.	.	.	yes	.	yes
Grazer	.	.	.	.	.	yes	.	.	yes
Jackson	.	.	yes	.	.	.	.	.	.
Jumbo*	yes	yes	yes	.	yes	yes	yes	yes	yes
Lonestar	yes	.	yes	yes	.	yes	yes	.	yes
Maximus* ¹	yes	yes	yes	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

1. Seed may be limited in 2018-2019.

* To be dropped from list in 2019.

** 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.

CHARACTERISTICS OF VARIETIES, 2018

Wheat

Brand-Variety	Resistance						Head Scab	Test Wt	Maturity	Straw Strength	Awned
	Leaf Rust	Stripe Rust	Glume Blotch	Powdery Mildew	BYD ¹	SBWM ²					
AGS 2024	good	good	fair	good	fair	good	fair	good	medium	good	yes
AGS 2027	good	good	good	good	fair	good	fair	good	medium	fair	no
AGS 2033	good	good	good	good	fair	good	fair	good	medium	good	yes
AGS 2035	good	good	fair	fair	fair	good	fair	good	medium	good	yes
AGS 2038	good	good	fair	good	fair	good	fair	good	med. late	good	yes
AGS 2055	good	good	-	good	-	-	-	good	med. late	good	yes
AGS 3000	good	good	-	good	-	-	-	good	early	good	yes
AGS 3030	good	good	-	good	-	-	-	good	medium	fair	no
AGS 3040	good	good	-	fair	-	-	-	fair	medium	fair	no
Dyna-Gro 9171	fair	good	good	fair	fair	good	good	fair	late	good	yes
Dyna-Gro 9522	poor	good	-	good	-	-	-	fair	med. late	good	yes
Dyna-Gro Savoy	good	good	good	fair	fair	good	fair	good	early	good	no
GoWheat 2032	good	good	-	fair	-	-	-	good	medium	fair	yes
GoWheat LA754	good	good	fair	poor	fair	poor	fair	good	early	good	yes
GrazeAll	good	good	-	good	-	-	-	-	medium	good	-
Hilliard	good	good	-	good	-	-	-	good	medium	good	yes
PGX 16-1	good	good	-	good	-	-	-	good	medium	good	no
PGX 16-4	good	good	-	good	-	-	-	good	medium	good	no
Pioneer 26R10	fair	good	good	fair	fair	good	fair	good	late	good	yes
Pioneer 26R41	fair	good	fair	good	good	fair	good	good	late	good	yes
Pioneer 26R59	fair	good	-	good	-	-	-	fair	medium	good	no
Pioneer 26R94	good	good	fair	good	fair	good	fair	good	medium	good	yes
SH 5550	good	good	good	good	fair	good	fair	good	medium	good	no
SS 8415	fair	good	-	good	fair	good	good	good	late	good	no
SY Viper	fair	good	-	good	-	-	-	good	med. late	fair	no
#Turbo	good	good	-	good	-	-	-	good	medium	good	no
USG 3536	good	good	-	good	-	-	-	fair	late	good	yes
Triticale											
FL 01143	-	-	-	-	-	-	-	fair	very early	good	-
FL 08128	-	-	-	-	-	-	-	good	very early	good	-
NF 201	-	-	-	-	-	-	-	fair	-	good	yes
Monarch	good	-	-	good	good	-	-	fair	early	good	yes
SS Triticale 1414	good	-	-	good	good	-	-	fair	early	good	yes
Trical 342	good	-	-	good	good	-	-	fair	early	good	yes

1. Barley yellow dwarf virus.
2. Soilborne wheat mosaic virus.

Oat

Brand-Variety	Resistance		Cold Hardiness	Maturity	Test Weight	Straw Strength
	Crown Rust	BYD ¹				
Gerard 224	poor	fair	good	medium	good	fair
Gerard 229	poor	fair	good	medium	good	fair
Graham	good	fair	good	medium	good	fair
Horizon 270	fair	fair	good	medium	good	good
Horizon 306	fair	fair	good	medium	good	good
Horizon 720	good	fair	good	early	good	good
Legend 567	good	fair	-	-	-	-
SS 76-50	poor	fair	good	medium	good	good

1. Barley yellow dwarf virus.

Barley

Brand-Variety	Resistance				Maturity	Test Weight	Head Type
	Glume Blotch	Spot Blotch	Scald	Hessian Fly			
Atlantic	good	good	good	fair	medium	good	awned
Price	fair	good	good	fair	medium	fair	awned
Secretariat	good	good	good	fair	medium	good	awned
Thoroughbred	good	good	good	fair	late	good	awned

SMALL GRAIN UPDATES

DISEASES

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Georgia wheat acreage for grain production was again low this year. Fall, 2017 was exceptionally wet and many production fields were planted late. However, no problems with seedling emergence were observed. Plantings in the state received adequate rainfall into December. In December the southern half of the state began receiving much less rainfall than the northern half of the state. This trend continued through the winter and spring. Low temperatures late in the winter caused some cold damage to wheat. Late rains in May greatly hampered harvest and affected grain quality as well.

Powdery mildew (*Blumeria graminis*) was observed throughout the state and found at high levels at Calhoun and Tifton CAES research and education centers. Mildew was also observed at Plains and Midville.

Fusarium head blight (FHB/Scab) (*Fusarium graminearum*) incidences were low across the state. Only one sample with confirmed FHB originated in Grady county in extreme south GA where the infection was minimal. The dry winter and spring prevented infections from starting. This does not mean that we no longer have a scab problem in Georgia. Given the amount of corn that is being grown across the state, we will have a reservoir of inoculum for the foreseeable future. Cool wet winters and springs will 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 all research locations in the state. Disease levels were low. Mild winter and spring temperatures as well as intermittent humidity did not provide conducive conditions for leaf rust epidemics. Higher infection rates were observed later in the season on susceptible varieties. Stripe rust (*Puccinia striiformis*) was observed at Plains where plots were artificially inoculated and also in Tifton and Midville at low levels. For additional information on leaf rust 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 observed at Plains and Tifton in the oat variety trial. There currently is not much resistance to this disease in available production varieties.

Stagonospora spot blotch and tan spot were observed throughout the state at low levels in wheat. Tan spot was also reported on rye in the state. Barley yellow dwarf virus (BYDV) was observed at low levels across the state.

Insect Pests

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2017-2018

Variety	Plains ¹		Griffin ¹		Tentative rating ²
	% Infested	HF per stem	% Infested	HF per stem	
<u>Triticale</u>					
390	35	6.30	30	0.55	S
FL 0014 ³	.	.	.	.	.
FL 08128	5	0.10	15	0.20	MR
GO-100 Triticale ³	.	.	.	.	.
KTA 120421-10	25	1.55	10	0.15	S
NF201	0	0.00	5	0.20	R
Olaf	0	0.00	30	0.30	S
TriCal 14T00208	10	0.15	10	0.15	MR
TriCal 342	30	0.30	10	0.10	S
TriCal Merlin Max	15	0.40	0	0.00	MR
TriCal Surge	0	0.00	0	0.00	R
<u>Wheat</u>					
15MDX5	45	1.30	10	0.10	S
15MDX18	50	0.95	30	0.50	S
15MDX20	40	0.95	35	0.50	S
AgriMAXX 415	30	0.55	40	0.80	S
AgriMAXX 473	10	0.15	0	0.00	MR
AgriMAXX 474	0	0.00	15	0.15	MR
AgriMAXX 480	20	0.25	20	0.50	S
AGS 2024	20	1.45	10	0.20	S
AGS 2035	35	5.85	10	0.10	S
AGS 2038	30	0.85	20	0.30	S
AGS 2055	40	0.60	15	0.15	S
AGS 3000	30	0.90	10	0.15	S
AGS 3030	0	0.00	0	0.00	R
AGS 3040	10	0.10	0	0.00	R
AR06146E-1-4	40	1.15	50	0.60	S
Dyna-Gro 9701	0	0.00	5	0.05	R
Dyna-Gro 9750	55	2.30	25	0.30	S
Dyna-Gro 9811	20	0.25	5	0.05	MS
Dyna-Gro 9862	0	0.00	10	0.15	MR
Dyna-Gro Savoy	0	0.00	0	0.00	R
Dyna-Gro TV8861	5	0.05	5	0.05	R
FLLA10033C-6	10	0.10	15	0.30	S
FLLA10191C-13	0	0.00	10	0.10	MR
FLLA10204C-4	0	0.00	10	0.30	MR
GA 061471-15LE38	15	0.25	10	0.20	MS

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2017-2018 (Continued)

Variety	Plains		Griffin		Tentative rating ¹
	% Infested	HF per stem	% Infested	HF per stem	
GA 071518-16E39	0	0.00	5	0.05	R
GA 08070-16E21	15	0.25	25	0.25	S
GA 081113-15EL8	0	0.00	5	0.05	R
GA 081298-16LE1	40	0.70	15	0.15	S
GA 081446-15EL47	10	0.10	15	0.20	S
GA 08535-15LE29	0	0.00	20	0.35	MR
GA 091291-16LE28	25	0.45	15	0.20	S
GA 09129-16E55	5	0.05	55	0.85	S
GA 09241-16E24	10	0.20	0	0.00	MR
GA 09377-16LE18	5	0.05	5	0.25	R
GA 09436-16LE12	5	0.05	10	0.10	MR
GA091034-17LE44	10	0.10	20	0.30	S
GA091100-17E5	30	1.10	15	0.20	S
GA091219-17LE2	20	0.50	25	0.30	S
GA09589-17E22	5	0.05	0	0.00	R
GA101004-17LE17	20	0.35	25	0.50	S
GA101263-17LE19	55	1.40	45	0.55	S
GA101298-17LE11	10	0.10	0	0.00	MR
GA101405-17E17	45	1.10	40	0.55	S
GA10268-17LE16	5	0.05	0	0.00	R
GA10407-17E8	5	0.05	0	0.00	R
GA10559-17E14	20	0.35	20	0.25	S
GA111093-17LE9	20	0.30	15	0.30	S
GA11656-17E11	10	0.10	5	0.10	MS
GA11656-17E12	70	1.50	40	0.65	S
GA-GORE	10	0.25	25	0.40	S
Gerard 557	30	0.90	5	0.05	S
GoWheat 2082	0	0.00	10	0.15	R
GoWheat LA754	30	5.50	10	0.10	S
L11713	50	1.00	30	0.45	S
LA 08080C-31-1	5	0.05	0	0.00	R
LA 09225C-33-3	5	0.05	30	0.70	S
LA 10070GHB-88	30	0.40	20	0.35	S
LA 12275LDH-128	25	0.45	20	0.45	S
LA 13235LDH-40	5	0.05	5	0.05	R
Lockdown	30	0.80	30	0.35	S
Luisa	20	0.45	20	0.20	S
Mayhem	0	0.00	10	0.10	MR
NC13-20076	0	0.00	20	0.20	MS
NC13-21213	0	0.00	0	0.00	R

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains and Griffin, Georgia, 2017-2018 (Continued)

Variety	Plains		Griffin		Tentative rating ¹
	% Infested	HF per stem	% Infested	HF per stem	
NC14-23372	5	0.05	0	0.00	R
NF101 ³	.	.	.	.	.
PGX 16-1	10	0.10	20	0.25	S
PGX 16-4	5	0.05	25	0.35	S
PGX16-7	0	0.00	10	0.10	MR
Pioneer 26R10	5	0.05	0	0.00	R
Pioneer 26R41	5	0.10	10	0.15	MR
Pioneer 26R45	0	0.00	0	0.00	R
Pioneer 26R59	30	0.35	15	0.20	S
Pioneer 26R94	35	0.95	15	0.15	S
Progeny #BOSS	0	0.00	20	0.30	MS
Progeny #BULLET	10	0.15	0	0.00	MR
Progeny #TURBO	10	0.15	30	0.45	S
SCLA 99049D-E1-J1	60	2.25	20	0.30	S
SH 5550	15	0.15	15	0.15	S
SX 6163	10	0.15	0	0.00	MR
SY Miskin	15	0.25	20	0.25	S
SY Viper	30	1.25	30	0.65	S
USG 3118	0	0.00	0	0.00	R
USG 3329	10	0.10	30	0.35	S
USG 3536	20	0.30	5	0.05	S
USG 3895	40	1.05	25	0.35	S
VA12W-68	5	0.05	0	0.00	R

1. 2018 results at Plains and Griffin were from one sample of 20 stems.
2. Rating: R = resistant, MR = moderately resistant, MS = moderately susceptible, and S = susceptible.
3. This variety had no plants, therefore not rated.

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

Grain Tests Results

Wheat

Tifton, Georgia: Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head		Mildew ²	Leaf Rust ³
	2018	2017	2016	Weight	Height	Lodging	Date	Awned		
	bu/acre			lb/bu	in	%	mo/day	0-1 scale	%	0-9
FLLA10033C-6	115.9	.	.	55.4	39	61	03/23	1.00	0.1	0
AGS 2024	115.9	91.6	106.3	55.4	37	88	03/25	1.00	0	0
GA 09241-16E24	115.2	68.0	.	59.1	37	70	03/14	1.00	0.1	0
GA 10559-17E14	114.2	.	.	55.2	37	50	03/16	1.00	3	0
GA 09589-17E22	113.2	.	.	55.6	34	85	03/16	1.00	10	0
GA 09377-16LE18	111.5	80.8	.	55.8	38	85	03/22	1.00	0	0
GA 08070-16E21	109.8	71.6	.	57.3	38	70	03/19	1.00	3	0
PGX 16-7	107.3	.	.	52.7	36	90	03/31	1.00	0.1	0
GA 08535-15LE29	107.1	90.1	111.7	56.3	37	91	03/26	1.00	0	0
#TURBO	106.9	88.3	90.0	55.8	39	36	03/30	0.25	3	0
Dyna-Gro 9811	106.0	.	.	56.3	41	35	04/03	1.00	0	0
GA 081446-15EL47	105.3	83.8	101.0	55.8	36	88	03/22	1.00	28	0
GA 091034-17LE44	105.3	.	.	55.3	38	79	03/27	0.50	0	0
GA 11656-17E12	105.2	.	.	57.2	39	65	03/23	1.00	8	0
Dyna-Gro Savoy	104.2	76.7	104.8	57.6	35	89	03/14	0.50	15	0
USG 3118	102.6	.	.	52.6	37	83	03/31	0.50	0	0
GA 081298-16LE1	102.6	106.3	.	56.3	39	90	03/28	1.00	0.1	0
Pioneer 26R94	102.6	82.4	96.8	54.9	39	75	03/25	1.00	3	0
Pioneer 26R59	102.4	37.7	67.0	55.9	34	45	04/06	0.50	0	1.1
SX 6163	101.9	.	.	56.6	39	75	03/22	1.00	3	0
GA 101004-17LE17	100.7	.	.	56.3	36	86	03/28	1.00	3	0
VA12W-68	100.6	85.8	.	51.8	37	85	03/31	1.00	0.1	0
PGX 16-4	100.1	91.1	95.1	55.0	37	91	03/29	0.50	0	0
GA 081113-15EL8	99.9	103.8	96.2	49.7	38	86	03/26	1.00	20	0
GA 11656-17E11	99.6	.	.	57.0	38	88	03/25	1.00	8	0
GA 09129-16E55	99.3	106.0	.	56.4	38	91	03/22	1.00	15	0
AGS 3000	99.2	31.5	98.0	57.6	37	38	03/13	1.00	8	0
FLLA10204C-4	98.7	.	.	56.4	35	96	03/24	0.50	5	0
GA 09436-16LE12	98.6	99.9	.	59.2	39	59	03/24	1.00	20	0
Luisa	98.2	.	.	57.9	41	63	04/01	1.00	0.1	0.6
NC14-23372	97.0	.	.	57.4	38	76	04/02	1.00	0	0.1
15MDX20	96.1	.	.	53.4	35	76	03/26	1.00	5	0
PGX 16-1	96.0	94.2	98.2	56.8	36	93	03/31	0.25	20	0
SY Viper	95.9	.	77.1	54.5	41	84	04/01	0.50	5	1.1
AGS 2038	95.6	85.5	90.6	54.9	40	84	03/25	1.00	3	0
AGS 2035	95.4	73.7	.	57.8	39	63	03/24	1.00	18	0
LA 12275LDH-128	95.4	.	.	56.4	40	85	03/25	1.00	8	0
Dyna-Gro TV8861	94.8	.	.	55.8	37	46	04/08	1.00	0.1	3.5
AGS 3030	94.0	106.4	95.8	55.1	36	95	03/25	0.50	8	0
LA 13235LDH-40	94.0	.	.	56.4	36	95	03/25	1.00	28	0

Tifton, Georgia:
Wheat Grain Performance, 2017-2018
(Continued)

Brand-Variety	Yield ¹			Test			Head		Mildew ²	Leaf Rust ³
	2018	2017	2016	Weight	Height	Lodging	Date	Awned		
	----- bu/acre -----			lb/bu	in	%	mo/day	0-1 scale	%	0-9
GoWheat 2082	93.8	64.1	105.9	56.9	35	93	03/23	1.00	28	0
FLLA10191C-13	93.7	.	.	57.1	37	92	03/24	1.00	3	0
GA 10407-17E8	93.7	.	.	55.6	35	90	03/24	1.00	28	0
GA 061471-15LE38	93.6	86.1	90.8	56.2	38	90	03/26	1.00	5	0
GA 111093-17LE9	91.8	.	.	54.2	36	91	03/31	1.00	0	0
LA 08080C-31-1	91.1	.	.	51.5	35	89	03/28	1.00	13	0
GA 091100-17E5	91.1	.	.	53.5	36	93	03/27	1.00	8	0
GA 071518-16E39	90.4	79.9	.	56.0	36	97	03/23	1.00	18	0
15MDX5	90.2	.	.	56.5	38	96	03/12	1.00	5	0
GA 091219-17LE2	90.1	.	.	54.3	40	88	03/25	1.00	15	0
GA 101263-17LE19	90.0	.	.	55.5	36	70	03/25	1.00	50	0
LA 09225C-33-3	89.5	.	.	52.2	36	86	03/27	1.00	0.1	0
USG 3895	89.5	.	.	54.5	37	83	04/03	1.00	18	0
GA 10268-17LE16	88.7	.	.	54.2	39	90	03/27	1.00	0.1	0
GA 101405-17E17	88.6	.	.	56.6	38	66	03/14	1.00	0.1	0
GA 091291-16LE28	88.5	95.5	.	51.7	38	86	03/26	1.00	10	0
Gerard 557	88.1	.	.	55.0	36	84	04/06	0.50	0	0
#BULLET	88.0	74.3	.	53.8	39	45	04/11	1.00	3	0
GA 101298-17E11	87.8	.	.	55.1	36	95	03/27	1.00	3	0
SCLA 99049D-E1-J1	87.5	77.4	.	56.0	40	63	03/25	1.00	18	0
Pioneer 26R41	86.7	76.1	70.2	55.0	35	19	04/08	1.00	3	0
Pioneer 26R45	86.6	.	.	53.6	39	86	04/08	0.25	0.1	0
AgriMAXX 480	85.7	.	.	56.8	40	58	04/04	1.00	0	0
GoWheat LA754	84.9	.	.	56.2	39	84	03/26	1.00	18	0.1
15MDX18	83.1	.	.	54.7	35	88	03/31	1.00	3	0
LA 10070GHB-88	81.9	.	.	56.1	40	81	03/26	1.00	18	0
AGS 3040	81.4	89.8	89.0	53.4	38	96	03/29	0.50	28	0
AR06146E-1-4	81.3	.	.	56.1	41	69	03/28	1.00	13	0
NC13-20076	80.3	.	.	55.5	39	88	03/26	1.00	0	0.1
NC13-21213	80.2	74.1	.	54.5	37	93	03/31	0.50	3	0
AgriMAXX 481	80.0	.	.	52.2	38	87	03/24	0.50	0	2.0
USG 3536	80.0	69.9	81.7	54.0	38	43	04/11	1.00	0.1	0
L11713	79.4	.	.	55.5	37	96	03/29	1.00	13	0
SY Miskin	78.7	.	.	54.4	40	89	04/02	1.00	8	0.5
GA Gore	78.2	52.4	.	52.3	38	84	03/15	0.50	18	3.0
Pioneer 26R10	76.1	34.6	57.2	54.5	39	45	04/08	1.00	13	6.0
#BOSS	73.6	13.3	.	54.6	36	45	04/09	1.00	5	0
USG 3329	72.6	.	.	50.7	39	64	04/12	1.00	5	1.6
Average	94.4 ⁴	-	-	55.2	37	77	-	-	-	-
LSD at 10% level	10.0	-	-	1.7	2	-	-	-	-	-
Std. Err. of Entry Mean	4.3	-	-	0.7	1	7	-	-	-	-

Tifton, Georgia: Wheat Grain Performance, 2017-2018 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Whole-plant ratings on April 5, 2018, percent severity.
3. Whole-plant rating on May 15, 2018, 0 = absent to 9 = most severe.
4. C.V. = 9.1%, and df for EMS = 231.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD ($P = 0.10$).

Planted: November 16, 2017.

Harvested: June 1, 2018.

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

Soil Type: Tift loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P_2O_5 , and 50 lb K_2O /acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Tifton, Georgia: Late-Planted Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head	Awned
	2018	2017	2016	Weight	Height	Lodging	Date	
	----- bu/acre -----			lb/bu	in	%	mo/day	0-1 scale
AGS 3030	89.3	76.2	92.5	58.2	34	68	04/01	0.50
Pioneer 26R94	88.3	64.9	84.5	57.7	38	11	04/06	1.00
AGS 3000	88.0	71.6	82.8	58.8	32	29	03/27	1.00
SX 6163	83.4	.	.	60.1	36	18	04/04	1.00
GoWheat 2082	81.1	.	.	59.3	32	21	04/03	1.00
USG 3118	78.7	.	.	54.2	32	24	04/09	0.50
L11713	65.4	.	.	58.3	33	31	04/07	1.00
#TURBO	57.1	.	.	53.4	36	18	04/13	0.25
Average	78.9 ²	-	-	57.5	34	27	-	-
LSD at 10% level	5.4	-	-	0.8	2	-	-	-
Std. Err. of Entry Mean	2.2	-	-	0.3	1	5	-	-

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

2. C.V. = 5.6%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: December 13, 2017.

Harvested: June 1, 2018.

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

Soil Type: Tift loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.
Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head	Mildew ²	Stripe	Leaf
	2018	2017	2016	Weight	Height	Lodging	Date		Rust ³	Rust ⁴
	----- bu/acre -----			lb/bu	in	%	mo/day	%	0-9	%
SY Viper	128.3	.	71.8	54.8	37	34	04/04	0	0.1	13
VA12W-68	127.8	87.3	.	53.4	35	9	04/01	0.1	0	0
GA 081298-16LE1	126.9	87.6	.	54.9	37	16	04/05	0	0	0
PGX 16-7	126.0	.	.	53.4	34	8	03/31	0	0.1	0
GA 11656-17E12	124.7	.	.	54.9	37	8	03/28	0.1	1	0
Dyna-Gro 9811	122.7	.	.	53.4	37	8	04/04	0.1	0	0.6
GA 101004-17LE17	122.6	.	.	54.9	36	10	04/01	0	0.1	0
GA 09589-17E22	120.2	.	.	54.1	34	25	03/27	0	5	0
PGX 16-4	120.1	83.3	76.6	55.4	37	16	04/03	0	3	0
GA 09377-16LE18	120.0	78.0	.	53.9	37	20	03/30	0.1	1	0
GA 10268-17LE16	119.8	.	.	53.6	36	69	04/05	0	0.5	0
Pioneer 26R45	119.5	.	.	51.1	35	34	04/10	0.5	0	0.1
GA 08535-15LE29	119.3	90.0	88.8	54.0	36	15	04/03	0	3	0
LA 08080C-31-1	118.7	.	.	53.5	34	11	04/04	0.1	0	0
GA 11656-17E11	118.5	.	.	54.1	37	30	04/02	0.1	2	0
GA 091034-17LE44	118.3	.	.	54.7	36	25	03/31	0	3	0
FLLA10033C-6	118.2	.	.	54.0	38	11	04/01	0	3	0
LA 09225C-33-3	117.8	.	.	54.4	35	48	04/05	0.1	0.6	0
GA 09241-16E24	117.7	45.3	.	56.3	35	6	03/23	0	2	0
USG 3895	117.6	.	.	51.5	33	20	04/05	10	0.1	0
GA 111093-17LE9	117.2	.	.	54.5	33	19	04/02	0	0.1	0
GoWheat 2082	116.6	65.2	88.9	54.8	35	33	03/31	5	1	0
Pioneer 26R59	116.4	49.8	61.9	50.1	33	8	04/05	0.1	0.1	1
AGS 2024	116.1	101.3	86.4	55.0	35	13	04/02	0	3	0
L11713	115.8	.	.	55.5	34	19	04/01	0	0.5	0
GA 10559-17E14	115.4	.	.	54.3	35	19	03/23	0	3	0
Pioneer 26R94	115.2	86.1	82.3	53.4	36	39	03/31	3	2	0
GA 101298-17E11	115.1	.	.	55.4	35	24	04/02	0	0.1	0
Dyna-Gro TV8861	114.7	.	.	52.8	34	13	04/09	0.1	0.1	7.5
NC13-21213	114.1	72.8	.	55.1	37	23	04/01	0	0	0.1
Pioneer 26R41	113.8	71.7	68.9	52.2	33	11	04/09	0	0	0.1
Pioneer 26R10	113.6	46.4	54.3	53.0	36	11	04/10	5	0	15
AGS 2038	113.5	82.2	78.5	52.8	39	51	04/01	3	0.1	0.1
USG 3118	112.8	.	.	55.2	33	6	04/01	0	1	0
GA 091100-17E5	112.2	.	.	53.8	36	11	04/02	0.1	0.1	0
AGS 3040	112.2	90.0	82.5	52.9	36	38	03/31	5	4	0
SY Miskin	111.5	.	.	53.5	37	46	04/05	5	2	10
15MDX20	111.4	.	.	53.6	35	24	04/02	0	1	0
PGX 16-1	111.3	93.2	74.3	51.5	35	20	04/03	0.1	4	0
GA 061471-15LE38	111.2	84.5	88.4	53.8	37	76	03/30	5	1	0
GA 071518-16E39	111.2	75.8	.	54.6	34	54	03/31	8	0.1	0
SX 6163	111.1	.	.	54.8	36	26	04/02	0	0.1	0
AGS 3030	111.1	90.2	82.8	54.8	34	20	03/29	0	0.1	0
#TURBO	110.6	75.3	76.9	54.0	37	6	04/03	0	3	0
GA 08070-16E21	110.5	46.2	.	55.1	36	9	03/24	0	3	0
GA 101405-17E17	110.2	.	.	54.8	36	11	03/24	0.1	3	0
GA 081446-15EL47	109.4	79.3	93.4	53.4	35	50	03/31	0	3	0
GA 091291-16LE28	109.3	81.9	.	52.7	38	14	04/02	3	5	0
NC14-23372	108.9	.	.	56.8	36	16	04/03	0	0	10
GA 09129-16E55	108.2	87.6	.	55.8	37	25	03/26	0	4	0

**Plains, Georgia:
Wheat Grain Performance, 2017-2018
(Continued)**

Brand-Variety	Yield ¹			Test			Head Date	Mildew ²	Stripe Rust ³	Leaf Rust ⁴
	2018	2017	2016	Weight	Height	Lodging				
	----- bu/acre -----			lb/bu	in	%	mo/day	%	0-9	%
GA 091219-17LE2	108.1	.	.	52.6	37	23	04/02	8	2	0
GA 10407-17E8	107.9	.	.	53.1	35	51	04/02	8	3	0
GA 09436-16LE12	107.7	90.1	.	56.8	38	5	04/03	8	3	0
Dyna-Gro Savoy	107.3	67.9	101.1	53.7	33	31	03/25	5	3	0
AGS 2035	106.9	74.1	.	54.7	36	39	03/27	0.1	5	0
#BULLET	106.6	75.6	.	48.3	38	8	04/12	3	0	0.1
LA 13235LDH-40	105.8	.	.	53.8	34	40	03/27	8	2	0
GA 081113-15EL8	105.5	84.0	88.7	49.6	35	53	03/27	0.1	6	0
15MDX18	105.4	.	.	55.3	33	6	04/02	0	0.6	0
AR06146E-1-4	104.7	.	.	54.6	39	24	04/01	0.1	0	0.1
NC13-20076	104.2	.	.	56.5	35	70	03/27	0	0	5
AgriMAXX 480	103.1	.	.	55.5	37	18	04/03	0.1	3	0
Luisa	102.5	.	.	52.9	38	18	04/04	0	8	0
USG 3329	101.5	.	.	48.9	36	16	04/12	0	0.1	0.1
USG 3536	101.2	75.2	73.8	48.8	37	10	04/13	0.1	0.1	0
GoWheat LA754	101.0	.	.	53.0	36	33	03/31	3	4	0
SCLA 99049D-E1-J1	100.9	73.5	.	54.7	38	18	04/02	0.1	6	0
FLLA10191C-13	100.6	.	.	56.5	34	13	03/28	0	2	0
GA 101263-17LE19	100.5	.	.	54.6	35	13	04/01	23	3	0
LA 12275LDH-128	100.4	.	.	55.1	38	26	03/31	0	0.5	0
LA 10070GHB-88	99.5	.	.	53.6	36	54	04/01	0	0	0
FLLA10204C-4	98.8	.	.	55.7	38	18	03/31	0.6	0	8
#BOSS	95.7	32.0	.	51.2	34	24	04/10	3	0.1	0.6
Gerard 557	95.4	.	.	52.0	32	20	04/10	3	5	0
AGS 3000	89.8	24.3	78.5	54.6	36	6	03/20	0.1	0	0
15MDX5	83.5	.	.	51.5	34	74	03/26	0	8	0
AgriMAXX 481	81.4	.	.	47.8	35	74	03/26	0	8	7.5
GA Gore	75.1	40.4	.	47.8	36	85	03/25	0.1	9	15
Average	110.3 ⁵	-	-	53.6	35	26	-	-	-	-
LSD at 10% Level	6.7	-	-	1.1	1	-	-	-	-	-
Std. Err. of Entry Mean	2.9	-	-	0.5	1	9	-	-	-	-

1. Yields calculated as 60 pounds per bushel at 13.5%.
2. Whole-plant ratings on April 5, 2018, percent severity.
3. Whole-plant ratings on April 25, 2018, 0 = absent to 9 = most severe.
4. Flag leaf ratings on May 15, 2018, percent severity.
5. C.V. = 5.2%, and df for EMS = 231.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 16, 2017.

Harvested: June 12, 2018.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 85 lb N/acre.

Management: Disked, moldboard plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2017-2018

Brand-Variety	Yield ¹			Test			Head Date
	2018	2017	2016	Weight	Height	Lodging	
	----- bu/acre -----			lb/bu	in	%	mo/day
SY Viper	134.8	.	83.9	57.6	36	16	04/03
PGX 16-1	131.7	91.4	75.8	56.4	35	21	04/02
GA 081298-16LE1	131.5	.	.	57.3	38	9	04/04
FLLA10033C-6	129.0	.	.	56.8	38	9	04/01
AGS 2024	128.0	93.0	91.9	57.3	34	20	03/31
GA 08535-15LE29	127.3	.	.	56.8	36	26	03/31
USG 3895	126.4	.	.	55.7	32	8	04/04
Pioneer 26R59	126.3	60.1	79.8	54.2	32	5	04/07
Dyna-Gro TV8861	125.0	.	.	55.4	34	6	04/08
Dyna-Gro 9811	124.4	.	.	55.9	37	5	04/06
SY Miskin	124.4	.	.	56.7	36	10	04/05
GA 101004-17LE17	124.4	.	.	58.4	35	11	04/01
GA 09589-17E22	124.1	.	.	57.4	34	19	03/27
GA 091100-17E5	123.8	.	.	56.0	36	10	03/31
PGX 16-4	123.7	75.1	74	57.2	36	6	04/01
AGS 2038	123.4	77.3	85.4	56.8	39	29	04/03
Pioneer 26R94	123.3	78.4	80.8	56.3	37	25	03/30
GA 11656-17E12	122.4	.	.	57.8	37	9	03/28
Pioneer 26R10	122.1	69.6	74.5	56.2	36	6	04/07
USG 3118	121.9	.	.	57.6	33	6	04/01
GA 101263-17LE19	121.7	.	.	57.7	36	5	04/01
GA 091291-16LE28	121.6	.	.	56.0	37	10	03/31
GA 10268-17LE16	121.0	.	.	56.0	35	64	04/04
GA 11656-17E11	120.9	.	.	57.2	36	31	04/03
GA 09377-16LE18	120.9	.	.	57.1	36	19	03/29
L11713	120.9	.	.	57.5	33	29	03/31
GA 101298-17E11	120.8	.	.	57.8	36	51	04/03
GA 081446-15EL47	119.7	.	.	58.1	36	21	03/27
AGS 3040	119.6	96.0	.	56.2	35	45	03/30
GA 08070-16E21	119.5	.	.	58.0	36	6	03/27
GA 101405-17E17	119.3	.	.	57.8	36	10	03/28
PGX 16-7	119.2	.	.	55.4	34	5	04/02
VA12W-68	118.5	88.7	.	55.5	35	6	04/01
USG 3329	118.5	.	.	52.7	36	26	04/13
LA 08080C-31-1	118.1	.	.	56.1	34	6	04/03
#TURBO	117.8	.	.	55.6	37	10	04/01
Dyna-Gro Savoy	117.7	58.3	.	56.8	32	24	03/24
GA 071518-16E39	117.7	.	.	57.2	34	40	03/29
GA 091219-17LE2	117.4	.	.	56.3	38	10	04/03
Pioneer 26R45	117.3	.	.	53.9	35	19	04/13
SX 6163	117.0	.	.	56.3	36	31	03/30
Pioneer 26R41	116.6	82.1	76.1	54.3	32	6	04/09
GA 111093-17LE9	116.1	.	.	55.4	33	49	04/02
LA 09225C-33-3	116.0	.	.	55.9	34	40	04/03
15MDX20	115.5	.	.	55.9	34	18	04/01

**Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2017-2018
(Continued)**

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
GoWheat 2082	115.2	71.1	94.5	58.1	35	8	03/29
NC13-21213	115.2	72.4	.	57.1	37	16	04/02
GA 10559-17E14	114.9	.	.	56.7	34	10	03/23
SCLA 99049D-E1-J1	114.8	.	.	57.9	37	14	04/01
AGS 2035	114.7	69.2	.	58.0	36	21	03/28
USG 3536	114.3	72.7	.	51.3	38	5	04/13
Luisa	114.1	.	.	56.8	37	6	04/03
NC14-23372	113.9	.	.	58.5	35	5	04/03
AgriMAXX 480	113.1	.	.	57.8	37	13	04/04
GA 091034-17LE44	112.9	.	.	57.1	36	8	03/31
AR06146E-1-4	112.3	.	.	56.6	38	15	04/02
GA 061471-15LE38	111.8	.	.	57.5	36	51	03/31
AGS 3030	111.8	84.1	.	57.5	34	14	03/28
15MDX18	111.8	.	.	57.6	32	9	04/02
#BULLET	111.5	82.2	.	51.8	38	6	04/13
LA 13235LDH-40	110.7	.	.	57.9	35	18	03/30
GA 10407-17E8	110.4	.	.	57.0	36	53	04/01
GA 09129-16E55	109.6	.	.	58.0	36	8	03/26
Gerard 557	109.4	.	.	56.4	32	6	04/09
GA 09436-16LE12	109.3	.	.	59.6	39	6	03/31
GA 081113-15EL8	108.7	.	.	52.7	34	13	03/28
NC13-20076	107.4	.	.	58.3	34	70	03/31
GA 09241-16E24	104.2	.	.	58.2	35	13	03/23
#BOSS	103.4	36.5	.	54.4	34	10	04/12
FLLA10204C-4	100.1	.	.	57.5	37	6	03/30
FLLA10191C-13	99.9	.	.	58.1	35	16	03/24
GoWheat LA754	98.2	.	.	55.5	35	40	03/30
15MDX5	97.9	.	.	56.4	33	61	03/24
LA 12275LDH-128	97.8	.	.	57.1	38	9	04/02
LA 10070GHB-88	93.6	.	.	56.4	35	48	04/01
GA Gore	92.1	36.3	.	53.2	36	61	03/25
AgriMAXX 481	91.6	.	.	53.4	36	60	03/28
AGS 3000	89.9	30.6	87.3	57.1	36	6	03/20
Average	115.7 ²	-	-	56.5	35	20	-
LSD at 10% level	8.0	-	-	0.9	1	-	-
Std. Err. of Entry Mean	3.5	-	-	0.4	1	7	-

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2017-2018 (Continued)

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

2. C.V. = 6.0%, and df for EMS = 231.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 16, 2017.

Harvested: June 12, 2018.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

**Plains, Georgia:
Late-Planted Wheat Grain Performance, 2017-2018**

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
AGS 3000	111.8	79.5	79	51.7	35	8	04/02
L11713	111.4	.	.	50.9	32	9	04/07
USG 3118	110.4	.	.	50.4	31	8	04/13
AGS 3030	109.2	79.3	85.5	51.1	34	9	04/05
GoWheat 2082	107.7	.	.	51.2	36	5	04/07
Pioneer 26R94	103.1	90.7	79.6	50.9	36	8	04/13
SX 6163	94.3	.	.	51.1	36	6	04/11
#TURBO	89.9	.	.	49.0	33	8	04/15
Average	104.7 ²	-	-	50.8	34	7	-
LSD at 10% level	7.2	-	-	1.3	1	-	-
Std. Err. of Entry Mean	3.0	-	-	0.5	-	1	-

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

2. C.V. = 5.6%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: December 15, 2017.

Harvested: June 12, 2018.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

**Plains, Georgia:
Late-Planted Wheat Grain Performance
with Foliar Fungicide, 2017-2018**

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
L11713	120.9	.	.	53.2	33	9	04/07
Pioneer 26R94	117.2	53.7	83.6	53.5	35	6	04/11
GoWheat 2082	115.7	.	.	53.6	35	8	04/08
AGS 3030	111.5	43.1	88.1	52.9	33	8	04/05
USG 3118	109.5	.	.	51.8	31	8	04/14
AGS 3000	104.1	36.4	94.1	52.8	35	8	04/02
#TURBO	97.7	.	.	49.8	32	9	04/16
SX 6163	97.4	.	.	53.5	36	8	04/09
Average	109.2 ²	-	-	52.6	34	8	-
LSD at 10% level	6.4	-	-	0.8	1	-	-
Std. Err. of Entry Mean	2.6	-	-	0.4	1	2	-

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

2. C.V. = 4.8%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: December 15, 2017.

Harvested: June 12, 2018.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

Midville, Georgia: Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head	Leaf
	2018	2017	2016	Weight	Height	Lodging	Date	Rust ²
	----- bu/acre -----			lb/bu	in	%	mo/day	%
VA12W-68	118.3	55.4	.	53.8	34	25	04/03	0
Dyna-Gro 9811	116.6	.	.	53.8	38	6	04/06	0.1
USG 3118	115.3	.	.	55.0	34	53	04/03	0
GA 081298-16LE1	113.9	68.5	.	56.5	36	14	04/04	0
PGX 16-4	113.2	46.9	76.8	57.0	35	16	04/03	0
GA 10559-17E14	109.9	.	.	56.2	36	10	03/25	0
PGX 16-1	108.5	53.2	74.0	54.9	34	46	04/05	0
GA 08535-15LE29	107.9	57.3	98.5	55.8	37	39	04/03	0
GA 081446-15EL47	107.6	42.8	95.1	55.8	37	33	04/01	0
Dyna-Gro TV8861	107.5	.	.	54.3	36	13	04/09	23
GA 101004-17LE17	107.3	.	.	56.0	35	18	04/02	0
AGS 2024	107.3	64.4	77.3	54.8	34	58	04/03	0
PGX 16-7	107.1	.	.	52.7	34	24	04/03	5
Dyna-Gro Savoy	106.1	43.7	113.6	56.9	35	23	03/27	0
Luisa	105.9	.	.	56.5	39	14	04/06	15
GA 09377-16LE18	105.7	58.7	.	55.9	35	38	03/29	0
GA 09589-17E22	105.7	.	.	57.2	33	28	03/29	0
GA 09241-16E24	105.6	38.4	.	59.0	33	28	03/26	0
SY Viper	105.2	.	68.8	56.1	37	48	04/04	10
Pioneer 26R94	104.8	46.0	73.8	55.7	37	50	04/02	0
AGS 3040	104.4	52.0	98.0	53.2	36	48	04/03	0.1
GA 09129-16E55	104.3	49.2	.	57.6	36	38	03/27	0
SX 6163	104.2	.	.	56.1	37	33	04/01	0
GA 111093-17LE9	104.1	.	.	53.5	32	31	04/03	0
GA 101298-17E11	103.5	.	.	55.7	36	50	04/03	0
NC14-23372	103.2	.	.	55.8	35	23	04/06	0
FLLA10204C-4	102.6	.	.	56.0	37	25	03/30	0
Pioneer 26R10	102.3	28.7	69.1	53.2	35	6	04/10	13
GA 08070-16E21	102.3	37.4	.	56.7	36	15	03/26	0
GA 11656-17E11	101.6	.	.	56.1	36	53	04/03	0
AGS 3030	101.5	54.8	72.2	55.1	35	80	03/30	0
GA 101405-17E17	100.6	.	.	56.0	37	16	03/26	0
GA 09436-16LE12	100.5	61.9	.	58.0	37	10	04/02	0
GA 091034-17LE44	100.4	.	.	57.7	36	25	04/02	0
15MDX20	100.4	.	.	54.3	34	39	04/03	0
#TURBO	99.3	39.5	.	53.3	37	10	04/04	0
GA 101263-17LE19	98.8	.	.	55.4	34	15	04/01	0
LA 08080C-31-1	97.7	.	.	51.5	33	35	04/03	0
GA 061471-15LE38	97.2	45.0	88.8	56.8	35	39	03/30	0
GA 081113-15EL8	96.8	50.8	60.3	48.3	35	56	03/31	0
AgriMAXX 480	95.7	.	.	55.4	36	44	04/05	0
Gerard 557	94.8	.	.	52.0	33	26	04/11	0
AGS 2035	94.5	50.9	.	55.7	36	30	03/31	0
USG 3895	94.1	.	.	50.8	33	33	04/06	0
SY Miskin	93.5	.	.	53.2	36	30	04/07	0.5

**Midville, Georgia:
Wheat Grain Performance, 2017-2018
(Continued)**

Brand-Variety	Yield ¹			Test	Height	Lodging	Head Date	Leaf Rust ²
	2018	2017	2016	Weight				
	----- bu/acre -----			lb/bu	in	%	mo/day	%
Pioneer 26R41	92.8	40.3	70.5	51.8	32	11	04/10	3
GA 10268-17LE16	92.7	.	.	52.3	36	55	04/06	0
15MDX18	92.6	.	.	55.7	32	11	04/03	0
L11713	92.1	.	.	55.5	32	55	03/31	0
LA 13235LDH-40	91.9	.	.	56.1	33	63	03/28	0
GA 10407-17E8	91.1	.	.	53.5	34	41	04/02	0
AGS 2038	90.7	38.3	103.7	53.0	39	45	04/04	0
LA 09225C-33-3	90.6	.	.	51.9	35	35	04/06	0
Pioneer 26R45	89.2	.	.	47.2	35	55	04/11	5
GA 11656-17E12	88.7	.	.	55.7	33	51	03/31	0
USG 3536	88.6	33.3	85.0	49.3	38	16	04/14	0
#BULLET	88.2	35.6	.	49.7	39	18	04/13	0
Pioneer 26R59	88.0	18.8	69.3	51.8	31	13	04/06	8
FLLA10033C-6	87.3	.	.	52.2	37	53	03/31	0
USG 3329	85.6	.	.	48.5	35	16	04/12	0.5
15MDX5	84.6	.	.	53.1	33	78	03/28	0
GA 091291-16LE28	84.1	57.9	.	52.8	38	51	04/03	0
FLLA10191C-13	84.0	.	.	56.9	35	23	03/29	0
NC13-21213	84.0	39.2	.	53.9	35	81	04/03	0
GA 091100-17E5	83.7	.	.	50.4	34	48	04/02	0
GA 071518-16E39	82.2	57.4	.	54.3	34	68	03/30	0
AR06146E-1-4	81.2	.	.	52.3	35	73	04/01	0
GA 091219-17LE2	81.2	.	.	50.8	37	44	04/05	0
GoWheat 2082	80.8	66.6	77.9	56.0	36	46	04/02	0
LA 12275LDH-128	80.8	.	.	54.8	37	55	04/03	0
NC13-20076	79.9	.	.	55.6	36	79	04/02	5
AgriMAXX 481	78.6	.	.	49.0	35	84	03/29	8
SCLA 99049D-E1-J1	78.2	60.9	.	55.5	36	44	04/03	0.1
#BOSS	77.9	6.6	.	51.9	31	16	04/09	20
GA Gore	77.7	46.9	.	46.5	36	90	03/28	13
LA 10070GHB-88	77.4	.	.	52.5	33	56	04/02	0
GoWheat LA754	76.2	.	.	51.3	35	70	04/01	0
AGS 3000	74.4	19.1	88.6	54.6	34	8	03/21	0
Average	95.8 ³	-	-	54.1	35	38	-	-
LSD at 10% Level	11.9	-	-	2.0	2	-	-	-
Std. Err. of Entry Mean	5.1	-	-	0.9	1	8	-	-

Midville, Georgia: Wheat Grain Performance, 2017-2018 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Flag leaf ratings on May 15, 2018, percent severity.
3. C.V. = 5.6%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD ($P = 0.10$).

Planted: December 14, 2017.

Harvested: June 8, 2018.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 46 lb P_2O_5 , and 80 lb K_2O /acre.

Topdress: 76 lb N/acre.

Management: Disked, chisel plowed, and rototilled; Harmony Extra and 2-4,D amine used for weed control.

Previous Crop: Peanuts.

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

Midville, Georgia: Late-Planted Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head Date
	2018	2017	2016	Weight	Height	Lodging	
	----- bu/acre -----			lb/bu	in	%	mo/day
USG 3118	104.9	.	.	49.0	32	5	04/10
AGS 3030	104.6	45.1	79.8	52.3	35	23	04/06
GoWheat 2082	102.4	.	.	53.8	33	8	04/07
AGS 3000	98.2	48.7	80.8	52.8	33	14	04/01
Pioneer 26R94	91.5	50.0	80.4	51.4	36	4	04/15
SX 6163	84.9	.	.	54.2	36	6	04/10
L11713	67.8	.	.	50.8	30	21	04/08
#TURBO	63.5	.	.	46.2	33	6	04/15
Average	89.7 ²	-	-	51.3	33	11	-
LSD at 10% Level	10.3	-	-	1.6	2	-	-
Std. Err. of Entry Mean	4.2	-	-	0.6	1	4	-

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

2. C.V. = 9.4%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: December 14, 2017.

Harvested: June 8, 2018.

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

Soil Type: Dothan loamy sand.

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: Disked, chisel plowed, and rototilled; Harmony Extra and 2-4,D amine used for weed control.

Previous Crop: Peanuts

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

Athens, Georgia: Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹		Test			Head	Awned 0-1 scale	Cold Damage %
	2018	2017	Weight	Height	Lodging	Date		
	----- bu/acre -----		lb/bu	in	%	mo/day		
Pioneer 26R10	142.1	74.7	57.6	43	1	04/18	1	0
Dyna-Gro 9701	131.7	89.8	54.3	45	14	04/15	1	0
Pioneer 26R45	131.5	.	56.0	43	6	04/16	0	0
AgriMAXX 474	130.1	.	56.7	39	0	04/13	0	0
USG 3329	127.5	.	55.3	43	10	04/16	1	0
USG 3536	124.2	97.3	54.6	44	10	04/15	1	0
Pioneer 26R41	122.1	90.8	55.9	40	11	04/16	1	0
AgriMAXX 415	121.7	.	56.1	40	4	04/16	1	0
Pioneer 26R59	120.3	87.6	55.4	38	6	04/15	0	0
Gerard 557	117.7	.	57.1	39	29	04/14	0	0
Dyna-Gro 9811	116.8	.	55.7	44	10	04/14	1	0
USG 3895	115.5	.	55.2	39	16	04/15	1	0
AgriMAXX 473	114.9	.	53.5	44	11	04/15	1	0
Dyna-Gro 9862	114.8	.	55.3	38	3	04/17	0	0
SY Viper	112.0	89.1	56.7	43	29	04/12	0	0
SY Miskin	110.2	.	55.7	42	21	04/13	1	0
Mayhem	106.6	.	52.9	44	15	04/16	1	0
AgriMAXX 480	105.9	.	57.7	43	6	04/06	1	0
NC14-23372	105.0	.	56.7	42	19	04/08	1	0
Dyna-Gro 9750	104.4	88.2	54.9	39	18	04/13	0	0
AGS 3040	99.1	68.2	55.5	40	8	04/05	0	0
GA 071518-16E39	98.8	52.5	58.0	38	23	04/04	1	0
Luisa	97.7	.	56.7	43	11	04/12	1	0
VA12W-68	97.4	81.8	55.7	41	13	04/10	1	0
15MDX20	97.1	.	55.9	38	43	04/10	1	0
AGS 2055	96.8	94.3	54.4	42	25	04/14	1	0
FLLA10033C-6	96.2	.	55.2	42	11	04/07	1	0
GA 10407-17E8	96.0	.	56.5	41	21	04/05	1	0
15MDX18	94.2	.	56.6	37	38	04/14	1	0
LA 08080C-31-1	92.4	.	54.1	38	26	04/09	1	0
GA 101004-17LE17	92.2	.	57.9	39	25	04/10	1	0
Lockdown	89.9	.	53.4	44	60	04/10	1	0
AGS 3030	87.5	66.7	56.7	40	34	04/03	0	0
GA 091219-17LE2	86.7	.	53.7	41	35	04/12	1	0
NC13-21213	86.3	72.6	56.0	43	35	04/10	0	0
GA 101298-17E11	86.1	.	56.9	42	44	04/10	1	0
AGS 2024	85.9	67.3	55.0	40	59	04/09	1	0
GA 081298-16LE1	85.7	61.7	53.6	41	11	04/11	1	0
SCLA 99049D-E1-J1	84.9	73.0	56.5	43	19	04/04	1	0
GA 11656-17E11	83.7	.	54.2	42	45	04/07	1	0
GA 111093-17LE9	83.5	.	54.9	39	58	04/11	1	0
GA 061471-15LE38	81.8	70.4	56.4	42	14	04/05	1	0
LA 09225C-33-3	81.5	.	54.6	42	65	04/11	1	0
GA 10268-17LE16	80.3	.	51.8	42	61	04/10	1	0
LA 10070GHB-88	80.2	.	55.2	43	20	04/08	1	0

Athens, Georgia: Wheat Grain Performance, 2017-2018 (Continued)

Brand-Variety	Yield ¹		Test		Lodging	Head Date	Awned	Cold Damage
	2018	2017	Weight	Height				
	----- bu/acre -----		lb/bu	in	%	mo/day	0-1 scale	%
GoWheat 2082	80.0	43.1	57.7	40	5	04/03	1	0
GA 091291-16LE28	79.4	78.4	53.3	41	40	04/09	1	0
USG 3118	78.2	.	54.2	38	23	04/04	1	0
AR06146E-1-4	77.9	.	59.3	42	5	04/05	1	0
GA 08535-15LE29	77.5	58.5	56.4	31	35	04/07	1	0
GA 09436-16LE12	77.3	67.7	56.8	43	34	04/08	1	0
GA 091100-17E5	76.2	.	52.3	39	53	04/08	1	0
GA 11656-17E12	75.7	.	54.1	41	9	04/06	1	0
GA 091034-17LE44	75.1	.	56.8	41	18	04/07	0	0
LA 12275LDH-128	73.7	.	54.4	43	20	04/09	1	0
SX 6163	71.3	.	55.4	40	13	04/03	1	0
GA 101263-17LE19	71.1	.	55.1	37	21	04/07	1	0
GA 09589-17E22	68.4	.	54.3	38	10	03/30	1	0
Pioneer 26R94	68.2	43.3	57.0	40	0	04/03	1	0
NC13-20076	67.5	.	56.5	44	29	04/05	1	0
15MDX5	65.9	.	55.6	40	18	03/30	1	0
GA 081446-15EL47	64.8	35.8	53.5	39	9	03/31	1	0
GA 08070-16E21	64.3	39.9	54.5	39	16	04/03	1	0
LA 13235LDH-40	62.9	.	54.5	41	35	04/02	1	0
GA 081113-15EL8	61.8	72.4	53.0	41	21	03/31	1	0
GoWheat LA754	61.0	.	54.2	41	8	04/06	1	1
GA Gore	59.9	69.9	51.7	42	46	04/04	0	1
GA 09377-16LE18	57.8	43.2	52.2	39	13	04/02	1	6
GA 09129-16E55	56.9	51.4	54.9	40	1	03/31	1	10
GA 10559-17E14	52.1	.	55.3	36	0	03/31	1	34
FLLA10191C-13	48.7	.	53.5	39	0	03/29	1	0
GA 101405-17E17	43.4	.	48.5	37	5	04/05	1	41
GA 09241-16E24	33.0	32.4	42.5	36	0	03/30	1	43
Average	88.7 ²	-	55.0	40	21	-	-	-
LSD at 10% Level	12.5	-	2.9	2	-	-	-	-
Std. Err. of Entry Mean	5.3	-	1.3	1.0	9	-	-	-

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

2. C.V. = 12.0%, and df for EMS = 214.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 27, 2017.

Harvested: June 5, 2018.

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

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Very High, K = Very High, and pH = 5.6.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 20 lb N/acre.

Management: Chisel plowed, disked, and rototilled; Harmony Extra and Zidua used for weed control; Karate used for insect control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Calhoun, Georgia: Wheat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test			Head	Mildew	Leaf
	2018	2017 ²	2016	Weight	Height	Lodging	Date	rating ³	Rust
	----- bu/acre -----			lb/bu	in	%	mo/day	-----	-----
Dyna-Gro 9811	112.4	.	.	53.9	43	15	04/16	0.6	5.0
Gerard 557	104.6	.	.	52.7	37	71	04/24	0	0
AgriMAXX 480	102.1	.	.	55.3	44	35	04/13	2.0	0
Pioneer 26R41	101.3	.	82.8	52.8	38	25	04/22	5.0	1.5
Pioneer 26R45	98.8	.	.	50.8	42	51	04/19	2.5	2.0
SY Viper	97.0	.	103.7	54.6	42	65	04/15	1.0	6.5
AGS 2024	96.0	.	94.6	53.4	37	69	04/20	1.5	5.0
GA 09129-16E55	95.2	.	.	54.9	40	40	04/08	3.0	0
GA 101004-17LE17	94.2	.	.	54.8	39	45	04/13	2.5	0
USG 3118	93.6	.	.	52.8	39	48	04/14	2.0	0
USG 3536	93.2	.	.	49.9	42	24	04/23	1.6	0
Dyna-Gro 9701	92.4	.	.	50.0	42	48	04/23	3.0	0
GA 11656-17E12	90.9	.	.	53.8	37	34	04/14	5.5	0
Pioneer 26R59	89.6	.	80.7	50.4	36	41	04/21	1.0	6.5
GA 09377-16LE18	88.0	.	.	52.3	40	39	04/12	3.0	0
Mayhem	87.9	.	.	49.0	40	46	04/23	2.5	5.0
GA 111093-17LE9	87.8	.	.	53.1	39	60	04/17	1.6	0
GA 09241-16E24	86.1	.	.	54.3	38	59	04/05	2.5	0
USG 3329	86.0	.	.	47.6	41	40	04/22	0	8.5
NC13-21213	85.3	.	.	51.9	41	73	04/13	0	5.0
AgriMAXX 473	83.9	.	.	48.0	42	46	04/23	1.5	5.0
15MDX20	83.9	.	.	50.8	38	38	04/17	2.0	0
VA12W-68	83.8	.	.	50.5	38	70	04/11	2.5	0.6
GA 10268-17LE16	83.7	.	.	48.0	44	55	04/25	2.0	0
NC14-23372	83.7	.	.	52.3	43	38	04/19	0	1.5
GA 081298-16LE1	83.3	.	.	50.4	42	45	04/23	2.0	0
GA 09436-16LE12	82.1	.	.	55.2	42	41	04/16	3.5	0
AGS 3030	80.9	.	96.5	51.6	38	49	04/14	0	0
SX 6163	80.2	.	.	51.4	41	48	04/15	8.5	0
GA 091034-17LE44	79.7	.	.	51.1	39	71	04/15	2.5	5.0
15MDX18	79.5	.	.	53.1	37	48	04/20	3.5	0
GA 08070-16E21	78.7	.	.	53.8	39	28	04/11	2.5	5.0
GA 081446-15EL47	77.5	.	97.9	53.7	38	54	04/12	7.0	0
GA 081113-15EL8	77.5	.	90.6	50.4	37	64	04/06	5.0	0
Dyna-Gro 9750	77.4	.	.	50.1	37	90	04/20	2.1	3.5
SCLA 99049D-E1-J1	75.3	.	.	54.7	41	23	04/17	5.0	0
GA 061471-15LE38	75.2	.	87.7	52.3	41	68	04/13	3.0	0
Luisa	74.9	.	.	51.8	41	70	04/17	0	8.0
GA 091219-17LE2	74.5	.	.	50.9	39	64	04/19	3.0	0
LA 08080C-31-1	73.9	.	.	48.9	38	43	04/17	4.5	0
GA 10559-17E14	73.4	.	.	50.6	35	73	04/11	5.0	0
NC13-20076	73.3	.	.	52.7	41	80	04/18	1.0	5.0
AgriMAXX 415	72.8	.	83.7	50.4	39	30	04/21	4.0	3.0
GA 11656-17E11	72.7	.	.	53.7	41	56	04/17	2.5	0.5
AgriMAXX 474	71.7	.	.	46.9	39	34	04/22	0	8.5

Calhoun, Georgia: Wheat Grain Performance, 2017-2018 (Continued)

Brand-Variety	Yield ¹			Test			Head	Mildew	Leaf
	2018	2017 ²	2016	Weight	Height	Lodging	Date	rating ³	Rust
	----- bu/acre -----			lb/bu	in	%	mo/day	-----	-----
GA 08535-15LE29	71.2	.	97.0	50.6	41	53	04/19	1.5	0
FLLA10191C-13	71.2	.	.	54.9	40	25	04/08	6.5	0
USG 3895	71.1	.	.	47.7	37	35	04/18	6.0	0.5
GA 101298-17E11	71.1	.	.	52.4	38	53	04/21	5.0	0
LA 12275LDH-128	71.1	.	.	49.8	40	63	04/18	3.5	0
Dyna-Gro 9862	70.8	.	.	47.1	40	33	04/24	0	8.0
GA 091291-16LE28	70.1	.	.	50.5	38	50	04/20	4.5	0
GA 101405-17E17	69.7	.	.	51.2	39	66	04/14	3.0	0
LA 09225C-33-3	69.2	.	.	48.1	40	61	04/24	2.0	0
GA 071518-16E39	69.0	.	.	47.4	38	74	04/13	6.5	0
GA 091100-17E5	68.9	.	.	45.7	39	43	04/21	2.5	0
SY Miskin	68.5	.	.	49.0	40	88	04/18	1.0	5.0
FLLA10033C-6	67.8	.	.	48.2	39	43	04/19	2.5	0
GA 09589-17E22	67.6	.	.	49.1	35	55	04/12	3.5	4.5
GoWheat 2082	67.4	.	89.7	49.7	37	78	04/14	5.5	0
LA 10070GHB-88	65.8	.	.	51.2	39	54	04/17	7.5	0
GA 10407-17E8	65.8	.	.	48.5	39	48	04/17	6.0	0
Pioneer 26R10	65.2	.	78.5	47.3	40	46	04/23	0	9.0
Pioneer 26R94	65.1	.	84.1	51.6	40	68	04/14	8.0	0
LA 13235LDH-40	64.3	.	.	50.9	36	71	04/12	8.0	0
AR06146E-1-4	63.8	.	.	51.2	40	49	04/15	6.5	0
GA 101263-17LE19	62.7	.	.	46.0	37	50	04/18	8.0	0
AGS 2055	62.2	.	.	48.4	39	70	04/19	6.0	0
Lockdown	61.4	.	.	49.3	41	78	04/14	6.0	0
AGS 3040	59.7	.	82.4	49.0	37	58	04/16	5.0	1.5
15MDX5	59.1	.	.	51.0	36	71	04/10	2.5	0
GoWheat LA754	58.6	.	.	47.1	39	55	04/14	6.5	0
GA Gore	53.6	.	79.0	46.2	41	74	04/12	4.0	1.5
Average	77.9 ⁴	-	-	50.8	39	53	-	-	-
LSD at 10% Level	14.4	-	-	3.2	3	-	-	-	-
Std. Err. of Entry Mean	6.1	-	-	1.4	1	10	-	-	-

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Trial was not planted in 2017 due to extreme drought.
3. Whole-plant ratings on May 15, 2018, 0 = absent to 9 = most severe.
4. C.V. = 15.7%, and df for EMS = 214.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 2, 2017.

Harvested: June 19, 2018

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

Soil Type: Waynesboro loam.

Soil Test: P = High, K = Very High, and pH = 6.04.

Fertilization: Preplant: 75 lb N, 0 lb P₂O₅, and 0 lb K₂O/acre.

Topdress: 0 lb N/acre.

Management: Subsoiled, double chisel plowed, disked, and rototilled; Harmony Extra and Zidua used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and M. Tucker.

Statewide Summary: Wheat Grain Yields, Georgia, 2017-2018

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2018	2017 ⁴	2016	2018	2017 ⁴	2016	2018	2017 ⁴	2016
	----- bu/acre -----								
#BOSS	82.4	17.3	.	.	.	.	.	.	.
#BULLET	94.3	61.8	.	.	.	.	.	.	.
#TURBO	105.6	67.7	76.5	.	.	.	.	.	.
15MDX18	93.7	.	.	86.8	.	.	91.0	.	.
15MDX20	102.6	.	.	90.5	.	.	97.8	.	.
15MDX5	86.1	.	.	62.5	.	.	76.6	.	.
AgriMAXX 415	.	.	.	97.3	.	74.2	.	.	.
AgriMAXX 473	.	.	.	99.4	.	.	.	.	.
AgriMAXX 474	.	.	.	100.9	.	.	.	.	.
AgriMAXX 480	94.8	.	.	104.0	.	.	98.5	.	.
AgriMAXX 481	80.0	.	.	.	.	.	.	.	.
AGS 2024	113.1	85.7	90.0	90.2	67.3	89.2	104.7	78.3	89.7
AGS 2035	98.9	66.2	.	.	.	.	.	.	.
AGS 2038	99.9	68.7	90.9	.	.	87	.	.	89.3
AGS 2055	.	.	.	82.0	94.3	75.4	.	.	.
AGS 3000	87.8	24.9	88.4	.	.	76.5	.	.	83.6
AGS 3030	102.2	83.8	83.6	84.2	66.7	81.9	95.0	77.0	82.9
AGS 3040	99.4	77.2	89.9	79.4	68.2	78.8	91.4	73.6	85.5
AR06146E-1-4	89.1	.	.	70.8	.	.	81.8	.	.
Dyna-Gro 9701	.	.	.	112.1	89.8	.	.	.	.
Dyna-Gro 9750	.	35.3	.	90.9	88.2	.	.	56.5	.
Dyna-Gro 9811	115.1	.	.	114.6	.	.	114.9	.	.
Dyna-Gro 9862	.	.	.	92.8	.	.	.	.	.
Dyna-Gro Savoy	105.9	62.8	106.5	.	45.3	103.4	.	55.8	105.3
Dyna-Gro TV8861	105.7	.	.	.	.	.	.	.	.
FLLA10033C-6	107.1	.	.	82.0	.	.	97.1	.	.
FLLA10191C-13	92.8	.	.	59.9	.	.	79.6	.	.
FLLA10204C-4	100.0	.	.	.	.	.	.	.	.
GA 061471-15LE38	100.7	71.9	89.3	78.0	70.4	80.3	92.3	71.3	85.7
GA 071518-16E39	94.6	71.0	.	83.9	52.5	.	90.3	63.6	.
GA 08070-16E21	107.5	51.7	.	71.5	39.9	.	93.1	47.0	.
GA 081113-15EL8	100.7	79.5	84.9	69.7	72.4	87.0	88.3	76.7	85.7
GA 081298-16LE1	114.5	87.4	.	84.5	61.7	.	102.5	77.1	.
GA 081446-15EL47	107.5	68.6	96.5	71.2	35.8	93.6	92.9	55.5	95.3
GA 08535-15LE29	111.4	79.2	99.6	74.4	58.5	.	96.6	70.9	.
GA 091034-17LE44	108.0	.	.	77.8	.	.	96.8	.	.
GA 091100-17E5	95.7	.	.	72.5	.	.	86.4	.	.
GA 091219-17LE2	93.1	.	.	80.6	.	.	88.1	.	.
GA 091291-16LE28	93.9	78.4	.	74.7	78.4	.	86.3	78.4	.
GA 09129-16E55	103.9	80.9	.	76.0	51.4	.	92.8	69.1	.
GA 09241-16E24	112.8	50.5	.	59.6	32.4	.	91.5	43.3	.
GA 09377-16LE18	112.4	72.5	.	72.9	43.2	.	96.6	60.8	.
GA 09436-16LE12	102.3	84.0	.	79.7	67.7	.	93.3	77.5	.
GA 09589-17E22	113.0	.	.	68.0	.	.	95.0	.	.
GA 101004-17LE17	110.2	.	.	93.2	.	.	103.4	.	.

Statewide Summary: Wheat Grain Yields, Georgia, 2017-2018 (Continued)

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide ⁴		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
	----- bu/acre -----								
GA 101263-17LE19	96.4	.	.	66.9	.	.	84.6	.	.
GA 101298-17E11	102.1	.	.	78.6	.	.	92.7	.	.
GA 101405-17E17	99.8	.	.	56.6	.	.	82.5	.	.
GA 10268-17LE16	100.4	.	.	82.0	.	.	93.0	.	.
GA 10407-17E8	97.6	.	.	80.9	.	.	90.9	.	.
GA 10559-17E14	113.2	.	.	62.7	.	.	93.0	.	.
GA 111093-17LE9	104.4	.	.	85.7	.	.	96.9	.	.
GA 11656-17E11	106.6	.	.	78.2	.	.	95.2	.	.
GA 11656-17E12	106.2	.	.	83.3	.	.	97.0	.	.
GA Gore	77.0	46.5	.	56.8	69.9	70.9	68.9	55.9	.
Gerard 557	92.7	.	.	111.1	.	.	100.1	.	.
GoWheat 2082	97.1	65.3	90.9	73.7	43.1	.	87.7	56.4	.
GoWheat LA754	87.4	.	.	59.8	.	.	76.4	.	.
L11713	95.8	.	.	.	.	.	92.1	.	.
LA 08080C-31-1	102.5	.	.	83.2	.	.	94.8	.	.
LA 09225C-33-3	99.3	.	.	75.3	.	.	89.7	.	.
LA 10070GHB-88	86.2	.	.	73.0	.	.	81.0	.	.
LA 12275LDH-128	92.2	.	.	72.4	.	.	84.3	.	.
LA 13235LDH-40	97.2	.	.	63.6	.	.	83.8	.	.
Lockdown	.	.	.	75.7	.	.	.	.	.
Luisa	102.2	.	.	86.3	.	.	95.8	.	.
Mayhem	.	.	.	97.3	.	.	.	.	.
NC13-20076	88.1	.	.	70.4	.	.	81.0	.	.
NC13-21213	92.7	62.0	.	85.8	72.6	.	90.0	66.2	.
NC14-23372	103.0	.	.	94.3	.	.	99.6	.	.
PGX 16-1	105.3	80.2	80.3	.	.	80.6	.	.	80.4
PGX 16-4	111.1	73.8	82.8	.	84.0	80.2	.	77.9	81.8
PGX 16-7	113.5	.	.	.	.	.	.	.	.
Pioneer 26R10	97.3	36.6	60.2	103.7	74.7	74.9	99.9	51.8	66.1
Pioneer 26R41	97.8	62.7	69.9	111.7	90.8	83.1	103.3	73.9	75.2
Pioneer 26R45	98.4	.	.	115.2	.	.	105.1	.	.
Pioneer 26R59	102.3	35.4	66.1	104.9	87.5	84.1	103.3	56.2	73.3
Pioneer 26R94	107.5	71.5	84.3	66.6	56.0	76.4	91.2	65.3	81.1
SCLA 99049D-E1-J1	88.8	70.6	.	80.1	73.0	.	85.3	71.6	.
SX 6163	105.7	.	.	75.7	.	.	93.7	.	.
SY Miskin	94.6	.	.	89.3	.	.	92.5	.	.
SY Viper	109.8	.	72.6	104.5	89.1	86.0	107.7	.	78.0
USG 3118	110.2	.	.	85.9	.	.	100.5	.	.
USG 3329	86.6	.	.	106.8	.	.	94.7	.	.
USG 3536	89.9	59.4	80.2	108.7	97.3	86.4	97.4	74.6	82.7
USG 3895	100.4	.	.	93.3	.	.	97.5	.	.
VA12W-68	115.6	76.2	.	90.6	81.8	.	105.6	78.4	.
Average	100.2	-	-	83.3	-	-	93.0	-	-
LSD at 10% Level	6.6	-	-	13.3	-	-	7.8	-	-
Std. Error of Entry Mean	2.8	-	-	5.7	-	-	7.3	-	-

Statewide Summary: Wheat Grain Yields, Georgia, 2017-2018 (Continued)

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
 2. Tifton, Plains, and Midville.
 3. Athens and Calhoun. Athens-only in 2017, and Calhoun averaged with Griffin in 2016.
 4. A strong freeze in late March contributed to lower yields in 2017. Varietal responses to the freeze differed based on the susceptibility of their growth stage at the time and are not an indicator of winter-hardiness.
- Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Statewide Summary: Late-Planted Wheat Grain Yields, Georgia, 2017-2018

Brand-Variety	Yield ¹		
	2018	South ² 2017 ³	2016
	----- bu/acre -----		
#TURBO	70.2	.	.
AGS 3000	99.4	66.6	80.8
AGS 3030	101.0	66.8	85.9
GoWheat 2082	97.1	.	.
L11713	81.5	.	.
Pioneer 26R94	94.3	68.5	81.5
SX 6163	87.5	.	.
USG 3118	98.0	.	.
Average	91.1	-	-
LSD at 10% Level	10.1	-	-
Standard Error of Entry Mean	4.3	-	-

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
 2. Tifton, Plains, and Midville.
 3. A strong freeze in late March contributed to lower yields in 2017. Varietal responses to the freeze differed based on the susceptibility of their growth stage at the time and are not an indicator of winter-hardiness.
- Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

**Plains, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2017-2018**

Brand-Variety	Yield ¹	Test	Heading	Height	Leaf	Stripe
		Weight	Date		Rust	Rust
		lb/bu	Julian days ²	in	----- rating ³ -----	
Hilliard	140.8	57.6	94	37	4	0
TX15D9579	132.9	57.5	90	38	0	0
GA 071518-16E39	126.7	59.5	92	37	0	0
VA09MAS2-131-6-2-4	124.9	57.9	94	33	0	0
FLLA10033C-6	124.2	58.5	92	38	0	3
AR07133C-19-4	124.0	57.2	104	37	2	1
GA 09436-16LE12	122.6	61.0	94	40	0	1
NC13-21213	122.4	59.6	94	38	0	0
B14-4435	120.8	58.5	91	37	0	0
AR06146E-1-4	120.6	58.3	93	40	0	0
VA09MAS2-131-6-2	119.3	56.9	94	31	0	1
LA08080C-31-1	119.2	57.4	93	34	0	0
DH12SRW057-006	119.0	59.2	94	33	2	0
Pioneer Brand 26R41	118.7	57.0	105	35	6	0
NC14-23373	117.8	60.3	96	38	6	1
NC14-23372	116.6	60.3	98	37	6	1
DH12SRW056-058	114.6	57.9	94	37	2	2
KWS192	114.3	56.9	102	37	9	0
B14*4032	114.3	60.7	92	38	0	0
MDX18	113.5	59.8	94	34	0	1
TX14D8444	113	57.7	92	38	6	0
FLLA10204C-4	112.7	59.2	92	39	2	0
TX15D9570	112.6	59.6	94	38	0	0
LA09225C-33-3	112.1	57.9		37	0	0
Jamestown	111.8	60.6	85	37	4	0
LA13235LDH-40	109.4	59.2	91	36	0	3
OCW03S580S-8WF	109.3	55.9	103	36	0	0
KWS193	108.6	57.8	106	35	0	0
TN1802	108.5	57.9	105	37	9	2
FLLA10191C-13	104.0	59.4	89	38	0	1
TX15D9597	103.3	59.8	91	37	3	1
LES168048	96.4	54.3	106	37	5	0
MD96	95.6	58.0	105	36	3	0
LES167927	95.2	54.8	107	32	2	0
GA 09129-16E55	94.6	59.0	88	36	0	2
TN1705	93.0	55.7	103	35	9	8
KWS154	92.8	53.8	110	37		6
LA12275LDH-128	90.5	58.2	94	39	0	1
AGS 2000	83.3	56.8	91	38	0	5
TN1804	57.0	53.2	105	38		9
Average	110.2 ⁴	58.0	96	37	2	1
LSD at 5% Level	19.38					

**Plains, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2017-2018 (Continued)**

1. Yields calculated as 60 pounds per bushel.
2. Days from January 1.
3. Rating: 0 = resistant to 9 = very susceptible.
4. C.V. = 8.8%.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.05).

Planted: November 15, 2017.

Harvested: June 5, 2018.

Seeding Rate: 22 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

Fertilization: Preplant: 15 lb N/acre. Topdress: 80 lb N/acre.

Test conducted by M. Mergoum, J. Johnson, S. Sutton, B. Lopez, and J. Youmans.

Triticale and Rye

Tifton, Georgia: Triticale and Rye Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
<u>Triticale</u>							
FL 08128	103.0	101.3	86.7	51.2	51	76	03/04
GO-100 Triticale	87.1	.	.	49.4	41	43	02/23
TriCal 14T00208	75.1	.	.	41.0	52	64	04/07
TriCal 342	74.8	3.8	92.2	46.9	52	95	03/05
Olaf	74.2	.	.	42.7	51	58	04/08
TriCal Merlin Max	70.5	.	.	40.9	53	44	04/08
NF201	67.4	52.9	50.5	47.5	58	90	03/08
TriCal Surge	67.3	.	.	41.7	57	84	04/03
FL 01143	66.1	4.4	81.1	46.9	57	80	03/02
KTA 120421-10	58.7	.	.	43.5	49	97	03/19
390	13.9	.	.	.	42	84	.
Average	68.9 ²	-	-	45.2	51	74	-
LSD at 10% level	16.2	-	-	1.8	3	-	-
Std. Err. of Entry Mean	6.7	-	-	1.0	1	6	-
<u>Rye</u>							
NF95319B	55.9	.	.	50.7	65	68	03/08
Kelly Grazer III	51.2	41.9	54.8	49.4	63	74	02/24
FL 2X406	49.4	40.5	43.4	50.5	63	80	02/27
Bates RS4	46.8	.	.	50.3	70	71	03/08
Wrens Abruzzi	40.5	47.7	32.1	49.8	63	84	03/08
NF97325	40.3	.	.	50.4	62	73	03/07
Bono	6.6	.	.	50.1	47	85	.
ProPower	5.2	.	.	50.1	42	69	.
Average	37.0 ³	-	-	50.2	59	75	-
LSD at 10% level	8.9	-	-	NS ⁴	2	-	-
Std. Err. of Entry Mean	3.7	-	-	0.4	1	5	-

Tifton, Georgia:
Triticale and Rye Grain Performance, 2017-2018
(Continued)

1. Triticale: Yields calculated as 48 pounds per bushel at 13.0% moisture.
Rye: Yields calculated as 56 pounds per bushel at 13.0% moisture.
Athens 2018, 2017; Griffin 2016, 2015.
2. C.V. = 19.5%, and df for EMS = 30.
3. C.V. = 16.8%, and df for EMS = 21.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level;
therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 16, 2017.

Harvested: June 1, 2018.

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: Tif loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Athens, Georgia: Triticale and Rye Grain Performance, 2017-2018

Brand-Variety	Yield ¹				Test Weight	Height	Lodging	Head Date	Cold Damage
	2018	2017	2016	2015					
	----- bu/acre -----				lb/bu	in	%	mo/day	%
<u>Triticale</u>									
KTA 120421-10	94.7	.	.	.	44.9	53	9	03/31	1
GO-100 Triticale	88.9	.	.	.	44.7	43	5	03/29	20
Olaf	88.7	.	.	.	38.3	57	10	04/20	0
TriCal Merlin Max	81.0	.	.	.	39.2	56	11	04/20	0
TriCal 14T00208	77.0	.	.	.	39.4	56	15	04/20	0
NF201	70.8	52.6	95.5	52.5	42.7	62	33	03/31	14
TriCal Surge	70.7	.	.	.	39.9	60	55	04/16	0
FL 08128	45.1	36.4	114.9	66.5	43.4	49	0	04/04	83
FL 01143	42.1	27.3	92.7	59.7	39.3	50	4	04/08	95
TriCal 342	37.4	37.8	117.4	88.9	35.4	52	0	04/01	60
390	36.2	.	.	.	32.3	49	1	05/04	0
Average	66.6 ²	-	-	-	40.0	53	13	-	25
LSD at 10% level	5.9	-	-	-	5.1	2	-	-	12
Std. Err. of Entry Mean	2.4	-	-	-	2.1	1	5	-	5
<u>Rye</u>									
Bates RS4	59.5	.	.	35.3	45.8	70	70	03/26	15
NF95319B	51.8	.	.	.	47.8	71	43	03/26	20
Wrens Abruzzi	51.4	43.7	.	31.0	47.0	70	69	03/25	34
ProPower	50.6	.	.	.	39.5	57	11	04/30	0
NF97325	48.5	.	.	.	49.1	71	34	03/24	48
Bono	46.9	.	.	.	39.6	56	40	04/27	0
Kelly Grazer III	40.3	39.1	.	40.0	38.9	66	53	03/23	76
FL 2X406	32.4	40.8	.	41.0	33.4	68	45	03/22	86
Average	47.7 ³	-	-	-	42.6	66	46	-	35
LSD at 10% level	9.8	-	-	-	4.3	2	-	-	10
Std. Err. of Entry Mean	4.0	-	-	-	1.8	1	13	-	4

1. Triticale: Yields calculated as 48 pounds per bushel at 13.0% moisture.

Rye: Yields calculated as 56 pounds per bushel at 13.0% moisture.

Athens 2018, 2017; Griffin 2016, 2015.

2. C.V. = 7.4%, and df for EMS = 30.

3. C.V. = 16.8%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 27, 2017.

Harvested: June 5, 2018.

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: Chewacla silt loam.

Soil Test: P = Very High, K = Very High, and pH = 5.6.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 10 lb N/acre.

Management: Chisel plowed, disked, and rototilled; Harmony Extra and Zidua used for weed control; Karate used for insect control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Statewide Summary: Triticale and Rye Grain Yields, Georgia, 2017-2018

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
	----- bu/acre -----								
Triticale									
390	13.9	.	.	36.2	.	.	25.1	.	.
FL 01143	66.1	4.4	81.1	42.1	27.3	92.7	54.1	15.9	86.9
FL 08128	103.0	101.3	86.7	45.1	36.4	114.9	74.1	68.9	100.8
GO-100 Triticale	87.1	.	.	88.9	.	.	88.0	.	.
KTA 120421-10	58.7	.	.	94.7	.	.	76.7	.	.
NF201	67.4	52.9	50.5	70.8	52.6	95.5	69.1	52.8	73.0
Olaf	74.2	.	.	88.7	.	.	81.4	.	.
TriCal 14T00208	75.1	.	.	77.0	.	.	76.0	.	.
TriCal 342	74.8	3.8	92.2	37.4	37.8	117.4	56.1	20.8	104.8
TriCal Merlin Max	70.5	.	.	81.0	.	.	75.8	.	.
TriCal Surge	67.3	.	.	70.7	.	.	69.0	.	.
Average	68.9	-	-	66.6	-	-	67.8	-	-
LSD at 10% level	16.2	-	-	5.9	-	-	14.3	-	-
Std. Err. of Entry Mean	6.7	-	-	2.4	-	-	6.1	-	-
Rye									
Bates RS4	46.8	.	.	59.5	.	.	53.1	.	.
Bono	6.6	.	.	46.9	.	.	26.7	.	.
FL 2X406	49.4	40.5	43.4	32.4	40.8	.	40.9	40.7	.
Kelly Grazer III	51.2	41.9	54.8	40.3	39.1	.	45.8	40.5	.
NF95319B	55.9	.	.	51.8	.	.	53.8	.	.
NF97325	40.3	.	.	48.5	.	.	44.4	.	.
ProPower	5.2	.	.	50.6	.	.	27.9	.	.
Wrens Abruzzi	40.5	47.7	32.1	51.4	43.7	.	46.0	45.7	.
Average	37.0	-	-	47.7	-	-	42.3	-	-
LSD at 10% level	8.9	-	-	9.8	-	-	12.3	-	-
Std. Err. of Entry Mean	3.7	-	-	4.0	-	-	5.2	-	-

1. Triticale: Yields calculated as 48 pounds per bushel at 13.0% moisture.

Rye: Yields calculated as 56 pounds per bushel at 13.0% moisture.

2. Tifton.

3. Athens.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Oat

Tifton, Georgia: Oat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date	BYD ³
	2018	2017	2016 ²					
	----- bu/acre -----			lb/bu	in	%	mo/day	
LA09015SBS-U1	139.3	.	.	34.5	60	93	04/03	-
LA07007-18	125.8	150.0	.	31.0	52	78	03/27	-
Horizon 270	115.4	156.9	.	36.3	61	50	04/05	+
LA09045SBS-U4	105.7	.	.	29.0	64	40	04/06	-
LA09044SBS-U1	101.4	.	.	33.3	56	55	04/02	-
Horizon 720	97.1	153.4	.	32.0	63	78	04/06	+
LA09030SBS-U3	91.9	.	.	32.8	61	83	03/26	+
SCOP 86-4	83.5	.	.	32.0	60	40	04/04	+
Horizon 306	80.6	140.3	.	38.4	59	90	04/13	+
NC12-3922	63.8	.	.	31.6	56	80	04/10	+
Gerard 224	62.1	.	.	36.2	60	70	04/10	+
NC12-3472	61.1	.	.	27.3	58	95	04/12	+
SCLA 0100214	50.3	154.3	.	32.9	48	97	04/11	+
Graham	50.1	141.9	.	26.3	49	97	04/11	+
NC12-3578	46.0	149.3	.	27.0	57	85	04/10	+
NC12-3447	31.3	120.4	.	32.1	56	97	04/10	+
Average	81.6 ⁴	-	-	32.0	58	77	-	-
LSD at 10% level	27.3	-	-	3.7	5	-	-	-
Std. Err. of Entry Mean	11.5	-	-	1.5	1	5	-	-

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

2. No data for 2016 due to severe crown rust and lodging.

3. Barley Yellow Dwarf virus reported as present (+) or absent (-), due to inconsistent disease pressure in trial area.

4. C.V. = 28.2%, and df for EMS = 45.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 16, 2017.

Harvested: June 1, 2018.

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

Soil Type: Tift loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Oat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
SCOP 86-4	153.9	.	.	37.3	53	41	04/08
LA07007-18	146.1	68.3	160.4	33.6	44	43	04/08
Horizon 720	138.1	34.2	150.4	35.6	54	94	04/14
LA09030SBS-U3	135.9	.	.	35.1	52	89	04/06
LA09015SBS-U1	133.6	.	.	33.7	52	90	04/12
SCLA 0100214	126.8	44.6	91.1	36.1	44	60	04/16
Graham	126.8	49.7	94.2	35.2	42	89	04/16
NC12-3922	120.9	.	.	37.7	52	36	04/15
Horizon 270	117.4	59.0	119.2	35.4	46	53	04/11
Horizon 306	116.1	19.5	95.1	36.9	52	83	04/18
NC12-3578	115.5	31.8	77.5	38.0	52	45	04/15
LA09044SBS-U1	113.0	.	.	35.2	49	85	04/04
Gerard 224	99.8	.	88.1	37.4	48	51	04/16
LA09045SBS-U4	97.9	.	.	32.4	57	39	04/14
NC12-3472	96.8	.	.	35.5	51	63	04/18
NC12-3447	79.0	27.4	85.2	34.5	48	95	04/16
Average	119.8 ²	-	-	35.6	50	66	-
LSD at 10% level	16.7	-	-	1.0	2	-	-
Std. Err. of Entry Mean	7.0	-	-	1.2	1	9	-

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

2. C.V. = 11.7%, and df for EMS = 45.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 16, 2017.

Harvested: June 12, 2018.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

Midville, Georgia: Oat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
LA09030SBS-U3	154.9	.	.	31.7	52	78	04/07
SCOP 86-4	142.6	.	.	34.2	54	20	04/11
NC12-3578	136.2	29.2	67.3	33.1	53	79	04/18
LA07007-18	134.8	32.6	126.6	32.2	46	30	04/09
Gerard 224	130.3	.	61.7	31.7	52	60	04/15
NC12-3922	128.1	.	.	33.1	52	56	04/17
Horizon 306	123.5	29.1	63.3	33.1	54	60	04/19
SCLA 0100214	119.2	30.6	31.2	29.8	46	76	04/17
Horizon 270	119.2	27.0	79.7	32.4	50	86	04/13
LA09044SBS-U1	118.4	.	.	31.9	53	63	04/09
LA09045SBS-U4	105.7	.	.	30.5	57	68	04/14
LA09015SBS-U1	104.8	.	51.6	30.1	56	90	04/14
Graham	102.4	40.9	.	29.6	45	83	04/19
NC12-3472	100.2	.	.	30.6	54	68	04/20
Horizon 720	81.6	16.8	102.5	30.1	57	70	04/16
NC12-3447	77.6	14.5	30.4	29.3	50	91	04/15
Average	117.5 ²	-	-	31.5	52	67	-
LSD at 10% level	23.1	-	-	1.8	2	-	-
Std. Err. of Entry Mean	9.7	-	-	0.8	1	9	-

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

2. C.V. = 16.6%, and df for EMS = 45.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 15, 2017.

Harvested: June 8, 2018.

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

Soil Type: Dothan loamy sand.

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: Disked, chisel plowed, and rototilled; Harmony Extra and 2-4,D amine used for weed control.

Previous Crop: Peanuts.

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

Athens, Georgia: Oat Grain Performance, 2017-2018

Brand-Variety	Yield			Test			Head
	2018	2017	2016	Weight	Height	Lodging	Date
	----- bu/acre -----			lb/bu	in	%	mo/day

An oat variety grain trial was planted at this location on October 27, 2017. However, bird damage, lodging, and rain-induced harvest problems resulted in inconsistent data. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the genetic performance potential of all the test entries. Since this data is not useful for making decisions and could be misleading if used in making variety selections, it will not be presented in this publication.

Calhoun, Georgia: Oat Grain Performance, 2017-2018

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	2018	2017 ²	2016				
	----- bu/acre -----			lb/bu	in	%	mo/day
LA07007-18	153.1	.	74.8	32.5	39	81	05/08
Gerard 224	128.8	.	95.6	31.8	43	90	05/08
SCOP 86-4	122.9	.	.	32.7	45	93	05/07
LA09015SBS-U1	118.7	.	.	29.7	40	83	05/09
LA09030SBS-U3	115.0	.	.	28.4	46	79	05/11
Horizon 720	109.5	.	63.0	28.8	43	76	05/08
Graham	108.0	.	117.1	28.9	43	85	05/11
LA09044SBS-U1	99.3	.	.	28.9	49	86	05/11
Horizon 270	98.4	.	58.3	29.2	45	84	05/09
Horizon 306	97.5	.	67.8	29.3	40	88	05/08
NC12-3447	96.7	.	109.1	24.7	40	91	05/12
LA09045SBS-U4	95.3	.	.	26.3	48	76	05/08
NC12-3472	94.1	.	.	25.3	41	81	05/08
NC12-3922	85.7	.	.	30.8	39	93	05/08
SCLA 0100214	82.1	.	127.0	27.6	42	88	05/09
NC12-3578	64.5	.	92.1	29.2	48	91	05/08
Average	104.3 ³	-	-	29.1	43	85	-
LSD at 10% level	24.4	-	-	3.3	6	-	-
Std. Err. of Entry Mean	10.3	-	-	1.4	2	4	-

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

2. Trial was not planted in 2017 due to extreme drought.

3. C.V. = 19.7%, and df for EMS = 45.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 2, 2017.

Harvested: June 19, 2018.

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

Soil Type: Waynesboro loam.

Soil Test: P = High, K = Very High, and pH = 6.4.

Fertilization: Preplant: 75 lb N, 0 lb P₂O₅, and 0 lb K₂O/acre.

Topdress: 0 lb N/acre.

Management: Subsoiled, double chisel plowed, disked, and rototilled; Harmony and Zidua used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and M. Tucker.

Statewide Summary: Oat Grain Yields, Georgia, 2017-2018

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
	----- bu/acre -----								
Gerard 224	97.4	.	74.9	128.8	.	87.3	109.9	.	79.9
Graham	93.1	77.5	72.9	108.0	55.8	101.8	99.1	68.8	84.5
Horizon 270	117.3	80.9	94.4	98.4	46.7	58.9	109.8	67.2	80.2
Horizon 306	106.7	63.0	79.2	97.5	56.6	69.6	103.0	60.4	75.4
Horizon 720	105.6	68.1	.	109.5	25.7	.	107.1	51.1	.
LA07007-18	135.6	83.6	143.5	153.1	47.8	72.8	142.6	69.3	108.1
LA09015SBS-U1	125.9	.	.	118.7	.	.	123.0	.	.
LA09030SBS-U3	127.6	.	.	115.0	.	.	122.5	.	.
LA09044SBS-U1	110.9	.	.	99.3	.	.	106.2	.	.
LA09045SBS-U4	103.1	.	.	95.3	.	.	100.0	.	.
NC12-3447	62.6	54.1	57.8	96.7	56.7	103.5	76.2	55.1	76.1
NC12-3472	86.0	.	.	94.1	.	.	89.2	.	.
NC12-3578	99.2	70.1	72.4	64.5	45.7	100.8	85.4	60.3	83.8
NC12-3922	104.3	.	.	85.7	.	.	96.9	.	.
SCLA 0100214	98.8	76.5	61.1	82.1	58.9	112.1	92.1	69.5	81.5
									0.0
SCOP 86-4	126.6	.	.	122.9	.	.	125.1	.	.
Average	106.3	-	-	104.3	-	-	105.5	-	-
LSD at 10% Level	17.3	-	-	24.4	-	-	12.8	-	-
Std. Error of Entry Mean	12.8	-	-	10.3	-	-	12.8	-	-

1. Yields calculated at 32 pounds per bushel at 12.5% moisture.

2. Tifton, Plains, and Midville. Tifton omitted in 2016.

3. Calhoun-only in 2018, Athens-only in 2017, and Calhoun averaged with Griffin in 2016.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Barley

Plains, Georgia: Barley Grain Performance, 2017-2018

Brand-Variety	Yield ¹				Test Weight	Height	Lodging	Head Date
	2018	2017	2016	2015				
	----- bu/acre -----				lb/bu	in	%	mo/day
VA11B-141LA	137.3	70.7	.	.	44.5	35	38	04/06
Secretariat	135.3	105.9	132.2	32.1	44.4	31	40	04/06
Atlantic	104.6	.	.	34.7	41.5	33	70	04/05
Flavia	96.3	73.3	.	.	38.2	30	13	04/18
Thoroughbred	84.7	79.0	82.2	29.7	40.3	30	80	04/10
Amaze10	65.1	55.9	84.2	22.0	53.1	30	95	04/15
Average	103.9 ²	-	-	-	43.6	31	56	-
LSD at 10% level	13.5	-	-	-	1.2	2	-	-
Std. Err. of Entry Mean	5.4	-	-	-	0.5	1	8	-

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.

2. C.V. = 10.5%, and df for EMS = 15.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

Harvested: June 13, 2018.

Seeding Rate: 1.1 million seeds/acre (15 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O.

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Peanuts.

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

Athens, Georgia: Barley Grain Performance, 2017-2018

Brand-Variety	Yield* 2018 bu/acre	Height in	Lodging %	Head Date mo/day
Amaze10	.	40	14	04/10
Atlantic	.	35	40	03/28
Flavia	.	35	0	04/18
Secretariat	.	37	50	04/01
Thoroughbred	.	41	10	04/09
VA11B-141LA	.	45	8	04/04
Average	-	39	19	-
LSD at 10% level	-	2	-	-
Std. Err. of Entry Mean	-	1	10	-

*NOTE: This test had severe bird damage, resulting in extremely low, unreliable yield numbers. The height, lodging, and head date values are similar to results from the other sites.

Planted: October 27, 2017.

Harvested: June 5, 2018.

Seeding Rate: 1.1 million seeds/acre (15 seeds/linear foot in 7" rows).

Soil Type: Chewacla silt loam.

Soil Test: P = Very High, K = Very High, and pH = 5.6.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 20 lb N/acre.

Management: Disked, chisel plowed, and rototilled; Harmony Extra and Zidua used for weed control; Karate used for insect control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Calhoun, Georgia: Barley Grain Performance, 2017-2018

Brand-Variety	Yield ¹				Test Weight	Lodging	Head Date	Bird Damage
	2018	2017 ²	2016	2015				
	----- bu/acre -----				lb/bu	%	mo/day	%
Atlantic	103.1	.	.	82.0	47.0	93	04/16	16
Thoroughbred	99.0	.	49.6	51.6	44.1	65	04/11	36
Secretariat	84.4	.	89.7	74.1	46.4	98	04/13	5
Flavia	84.4	.	.	.	44.1	31	04/21	0
VA11B-141LA	73.4	.	.	.	44.9	53	04/13	40
Amaze10	58.1	.	42.8	67.8	50.0	66	04/14	29
Average	82.3 ³	-	-	-	46.0	68	-	21
LSD at 10% level	24.6	-	-	-	1.7	-	-	24
Std. Err. of Entry Mean	9.1	-	-	-	0.6	10	-	10

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.

2. Trial was not planted due to extreme drought.

3. C.V. = 22.0%, and df for EMS = 13.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 2, 2017.

Harvested: June 19, 2018.

Seeding Rate: 1.1 million seeds/acre (15 seeds/linear foot in 7" rows).

Soil Type: Waynesboro loam.

Soil Test: P = High, K = Very High, and pH = 6.4.

Fertilization: Preplant: 75 lb N, 0 lb P₂O₅, and 0 lb K₂O/acre.

Topdress: 0 lb N/acre.

Management: Subsoiled, double chisel plowed, disked, and rototilled; Harmony and Zidua used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and M. Tucker.

Statewide Summary: Barley Grain Yields, Georgia, 2017-2018

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
	----- bu/acre -----								
Amaze10	65.1	55.9	84.2	58.1	.	42.8	61.6	.	63.5
Atlantic	104.6	.	.	103.1	.	.	103.9	.	.
Flavia	96.3	73.3	.	84.4	.	.	90.4	.	.
Secretariat	135.3	105.9	132.2	84.4	.	89.7	109.9	.	111.0
Thoroughbred	84.7	79.0	82.2	99.0	.	49.6	91.8	.	65.9
VA11B-141LA	137.3	70.7	.	73.4	.	.	105.3	.	.
Average	103.9	-	-	82.3	-	-	93.2	-	-
LSD at 10% level	13.5	-	-	24.6	-	-	20.6	-	-
Std. Err. of Entry Mean	5.4	-	-	9.1	-	-	8.7	-	-

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.

2. Plains.

3. Rome.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Winter Canola

Athens, Georgia:

Winter Canola Grain Performance, 2017-2018

Brand-Variety	Yield ¹		Height in	Lodging %	Shatter %	Bloom Date mo/day	Maturity Date mo/day
	2018 ----- lb/acre -----	2017					
Hybrids							
Edimax CL	5695	4088	69	0	0	03/29	06/03
HIDYLLE	4775	.	68	0	0	04/01	06/02
DK Severnyi	4710	4281	64	0	0	03/31	06/03
DK Sensei	4682	4338	68	0	0	04/03	06/02
Phoenix CL	4577	.	68	0	0	03/28	06/01
DK Imiron CL	4564	3886	69	0	0	04/03	06/01
Inspiration	4537	4279	73	0	0	03/30	06/03
Temptation	4531	.	66	0	0	04/04	06/02
Plurax CL	4527	3395	62	0	0	03/25	06/01
MH 15HT229	4335	.	69	0	0	04/02	06/03
DK Imistar CL	4271	4321	68	0	0	04/03	06/01
MH 15HIB001	4180	.	70	0	0	03/30	06/02
QUARTZ	4031	4248	66	0	0	04/02	06/04
Atora	4013	.	69	0	0	03/31	06/04
Popular	3910	4039	61	0	0	03/27	06/03
Event	3902	.	65	0	0	03/31	06/04
Mercedes	3724	3992	63	0	0	03/28	05/31
Wichita	3699	3512	67	0	0	04/02	05/31
MH 15AY085	3674	.	68	0	0	04/01	06/03
MH 15HIB002	3660	.	70	0	0	03/28	06/02
HAMOUR	3579	.	70	0	0	04/01	06/02
Average	4286 ²	-	67	0	0	03/31	06/02
LSD at 10% level	627	-	3	-	-	-	-
Std. Err. of Entry Mean	257	-	1	-	-	-	-
Open-Pollinated							
QUARTZ	4088	3467	65	0	0	04/03	06/02
KS4675	3898	.	67	0	0	03/29	06/02
Riley	3813	3607	64	0	0	03/30	06/01
HyCLASS320	3787	.	62	0	0	03/26	05/29
HyCLASS225	3765	3780	64	0	0	03/29	05/31
Star 915W	3760	3244	64	0	0	03/29	06/01
Star 930W	3633	.	66	0	0	03/28	05/29
DKW44-10	3576	3185	53	0	0	03/28	05/25
DKW45-25	3544	3229	66	0	0	03/27	05/30
Wichita	3524	3472	68	0	0	04/03	06/01
Sumner	3489	3586	67	0	0	03/29	05/30
KSR4723	3463	.	65	0	0	03/29	05/30
HyCLASS115	3431	3033	64	0	0	03/25	05/28
KSUR1211	3299	3164	69	0	2	04/05	06/03
Torrington	3254	3079	71	0	0	03/30	06/01
DKW46-15	3214	3162	65	0	0	03/29	05/29
KS4670	3193	.	62	0	0	03/25	06/01
KSR4724S	3178	.	64	0	2	03/25	05/29
Average	3547 ³	-	65	0	-	03/29	05/30
LSD at 10% level	NS ⁴	-	4	-	-	-	-
Std. Err. of Entry Mean	233	-	2	-	-	-	-

Athens, Georgia: Winter Canola Grain Performance, 2017-2018 (Continued)

1. Yields calculated as 60 pounds per bushel.
2. C.V. = 10.4%, and df for EMS = 38.
3. C.V. = 11.5%, and df for EMS = 32.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.05).

Planted: October 10, 2017.

Harvested: June 15, 2018.

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

Soil Type: Wickham sandy loam.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 50 lb N/acre lb N/acre.

Management: Chisel plowed, disked, and rototilled; Treflan used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

NOTE: This data was collected as part of the 2017 and 2018 National Winter Canola Variety Trial, coordinated by Kansas State University. Non-Georgia locations can be viewed at <https://www.bookstore.ksre.k-state.edu/pubs/SRP1141.pdf>.

Forage Tests Results

Wheat Forage

Tifton, Georgia:

Wheat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/10/2018	2/6/2018	3/2/2018	2018	2017
----- lb/acre -----					
AGS 2024	839	1840	3108	5787	5423
AGS 3000	751	1753	3234	5739	.
GrazeALL	795	1797	3004	5595	3779
ON14319	795	1437	3312	5544	.
NF101	577	1383	3513	5473	.
SH 7200	860	1503	2942	5305	.
Dyna-Gro Savoy	501	1568	3206	5275	4215
FLLA10033C-6	621	1634	2899	5153	.
NF97117	893	1339	2848	5081	.
GA-Gore	523	1372	3182	5077	3278
SH 5550	621	1329	3123	5073	4509
PGX 16-1	784	1372	2912	5068	.
AGS 3030	523	1100	3391	5014	4356
GoWheat 2082	784	1503	2719	5005	4531
Pioneer 26R94	588	1198	3158	4944	4040
AGS 2038	403	1503	2957	4862	4465
AGS 3040	653	1187	2981	4821	4323
Pioneer 26R41	403	1263	3150	4817	3497
AGS 2035	446	1623	2727	4796	.
AGS 2055	610	1274	2892	4776	.
PGX 16-4	588	1089	3041	4718	.
SCLA 99049D-E1-J1	392	1187	2979	4558	4345
FLLA10191C-13	338	980	3228	4546	.
ON13P016	468	1045	2911	4425	.
FLLA10204C-4	283	893	3200	4377	.
Pioneer 26R59	588	1143	2590	4322	.
Pioneer 26R10	501	817	2919	4237	3148
SH 7510	348	937	2814	4099	.
Average	588	1324	3034	4946 ¹	-
LSD at 10% Level	148	261	255	453	-
Std. Err. of Entry Mean	63	111	108	193	-

1. C.V. = 7.8%, and df for EMS = 81.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Wheat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/22/2018	3/21/2018	2018	2017
----- lb/acre -----				
Pioneer 26R10	2439	3418	5857	9820
SH 7200	2461	3391	5852	.
AGS 2024	3060	2517	5577	7892
Pioneer 26R59	2298	3060	5357	.
ON13P016	2036	3300	5336	.
AGS 3030	2396	2873	5269	7927
Pioneer 26R41	1906	3347	5253	9228
AGS 2055	2058	3179	5237	.
NF101	1971	3231	5202	.
SH 7510	2156	2989	5145	.
PGX 16-1	2385	2758	5142	.
PGX 16-4	2407	2722	5129	.
GrazeALL	2592	2477	5068	7406
ON14319	2102	2918	5019	.
AGS 3040	2134	2853	4987	7942
NF97117	2461	2478	4940	.
FLLA10033C-6	2559	2341	4901	.
Pioneer 26R94	2036	2830	4866	8002
GA-Gore	2363	2431	4794	6786
GoWheat 2082	2723	1987	4709	.
SCLA 99049D-E1-J1	2058	2377	4435	7532
FLLA10204C-4	1732	2679	4410	.
SH 5550	2254	2136	4390	8269
AGS 2038	2614	1666	4279	.
FLLA10191C-13	1938	2295	4234	.
Dyna-Gro Savoy	2450	1670	4120	7985
AGS 2035	2461	1526	3987	.
AGS 3000	3027	588	3616	.
Average	2324	2573	4897 ¹	-
LSD at 10% Level	508	431	493	-
Std. Err. of Entry Mean	216	183	209	-

1. C.V. = 8.6%, and df for EMS = 81.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 5.7.

Fertilization: Preplant: 7 lb N, 20 lb P₂O₅, 20 lb K₂O, and 1,000 lb dolomitic lime/acre.

Topdress: 50 lb N/acre after 1st harvest.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Corn.

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

Athens, Georgia: Wheat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2018	2017
	11/29/2017	2/2/2018	2/20/2018	3/23/2018	4/30/2018		
	----- lb/acre -----						
Pioneer 26R10	1414	2307	1608	2985	2831	11145	7844
Pioneer 26R41	1220	2342	1638	2841	2297	10338	8142
NF97117	1514	3019	1598	1810	2286	10226	.
AGS 3040	1643	2794	1754	1208	2602	10002	7195
ON14319	1268	2679	1621	2332	2035	9935	.
NF101	1199	2413	2009	1531	2552	9705	.
AGS 3030	1018	2326	1828	1726	2616	9514	6190
GoWheat 2082	1471	2784	1543	1318	2371	9487	6461
PGX 16-1	1493	2600	1713	1678	1941	9426	.
Pioneer 26R59	1129	2099	1224	2663	2185	9300	.
AGS 2024	1418	3168	1419	896	2357	9258	7051
FLLA10033C-6	1374	3052	1453	1180	2145	9204	.
Dyna-Gro Savoy	1199	3119	1631	904	2224	9077	7929
Pioneer 26R94	1116	2689	1634	1314	2166	8920	7133
FLLA10191C-13	883	2627	2095	844	2353	8801	.
ON13P016	1325	1770	1690	2319	1469	8572	.
PGX 16-4	1299	2386	1331	1580	1948	8543	.
GrazeALL	1516	2610	1283	898	2236	8542	7826
AGS 3000	1443	3082	1378	424	2126	8453	.
GA-Gore	1238	2121	1355	1855	1693	8262	.
SH 5550	1079	2787	1476	951	1953	8246	6446
AGS 2035	1069	2268	1254	1048	2364	8004	.
SCLA 99049D-E1-J1	633	2410	1663	1049	2155	7910	7324
FLLA10204C-4	705	2082	1437	1394	1802	7420	.
Average	1232	2561	1566	1535	2192	9086 ¹	-
LSD at 10% Level	332	640	270	450	477	961	-
Std. Err. of Entry Mean	140	269	114	190	201	405	-

1. C.V. = 8.9%, and df for EMS = 68.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 6, 2017.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Wickham sandy loam.

Soil Test: P = High, K = High, and pH = 6.1.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Wheat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	1/24/2018	2/21/2018	3/20/2018	4/24/2018	2018	2017
-----lb/acre-----						
Pioneer 26R41	910	1128	2353	2804	7195	9974
Pioneer 26R10	984	1046	2146	2441	6617	8573
AGS 2024	1774	2076	1145	1471	6466	8432
GrazeALL	1600	2087	1040	1486	6213	8918
GoWheat 2082	840	1796	1379	2102	6117	6881
PGX 16-1	1225	1208	2286	1280	5999	.
AGS 3030	629	1274	2145	1950	5998	7976
AGS 2055	665	1110	2154	1841	5770	.
AGS 3040	1044	1520	1827	1251	5643	8595
Dyna-Gro Savoy	976	2071	1160	1394	5601	8089
PGX 16-4	911	1358	1881	1138	5287	.
Pioneer 26R94	920	1805	1300	1243	5267	8543
SH 5550	1119	2026	1143	960	5248	7621
FLLA10033C-6	973	1922	983	1158	5036	.
AGS 3000	1630	2496	518	373	5017	.
ON14319	769	1048	1790	1355	4962	.
NF97117	1202	1985	838	666	4690	.
AGS 2035	1062	2078	809	700	4650	.
FLLA10191C-13	421	1765	1471	822	4479	.
FLLA10204C-4	316	1550	1594	914	4374	.
AGS 2038	808	2027	652	841	4329	.
ON13P016	434	782	1556	790	3562	.
Pioneer 26R59	526	576	1119	1328	3550	.
SCLA 99049D-E1-J1	283	841	370	936	2431	7106
GA-Gore	279	527	400	571	1776	.
NF101	191	333	162	712	1398	.
Average	865	1478	1316	1251	4911 ¹	-
LSD at 10% Level	331	251	287	521	669	-
Std. Err. of Entry Mean	141	107	122	221	284	-

1. C.V. = 11.6%, and df for EMS = 75.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 27, 2017.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = Low, and pH = 5.6.

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 70 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled; 2,4-D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

All-Locations Summary: Wheat Forage Performance, 2017-2018

Brand-Variety	Tifton		Plains		Athens		Marianna, FL		All-Locations	
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017
	-----lb/acre-----									
AGS 2024	5787	5423	5577	7892	9258	7051	6466	8432	6772	7200
AGS 2035	4796	.	3987	.	8004	.	4650	.	5359	.
AGS 2038	4862	4465	4279	.	.	.	4329	.	4490	.
AGS 2055	4776	.	5237	.	.	.	5770	.	5261	.
AGS 3000	5739	.	3616	.	8453	.	5017	.	5706	.
AGS 3030	5014	4356	5269	7927	9514	6190	5998	7976	6449	6612
AGS 3040	4821	4323	4987	7942	10002	7195	5643	8595	6121	7014
Dyna-Gro Savoy	5275	4215	4120	7985	9077	7929	5601	8089	6018	7055
FLLA10033C-6	5153	.	4901	.	9204	.	5036	.	6073	.
FLLA10191C-13	4546	.	4234	.	8801	.	4479	.	5515	.
FLLA10204C-4	4377	.	4410	.	7420	.	4374	.	5145	.
GA-Gore	5077	3278	4794	6786	8262	.	1776	.	4977	.
GoWheat 2082	5005	4531	4709	.	9487	6461	6117	6881	6330	.
GrazeALL	5595	3779	5068	7406	8542	7826	6213	8918	6355	6982
NF101	5473	.	5202	.	9705	.	1398	.	5444	.
NF97117	5081	.	4940	.	10226	.	4690	.	6234	.
ON13P016	4425	.	5336	.	8572	.	3562	.	5474	.
ON14319	5544	.	5019	.	9935	.	4962	.	6365	.
PGX 16-1	5068	.	5142	.	9426	.	5999	.	6409	.
PGX 16-4	4718	.	5129	.	8543	.	5287	.	5919	.
Pioneer 26R10	4237	3148	5857	9820	11145	7844	6617	8573	6964	7346
Pioneer 26R41	4817	3497	5253	9228	10338	8142	7195	9974	6900	7710
Pioneer 26R59	4322	.	5357	.	9300	.	3550	.	5632	.
Pioneer 26R94	4944	4040	4866	8002	8920	7133	5267	8543	5999	6930
SCLA 99049D-E1-J1	4558	4345	4435	7532	7910	7324	2431	7106	4833	6577
SH 5550	5073	4509	4390	8269	8246	6446	5248	7621	5739	6711
SH 7200	5305	.	5852	.	.	.	.	.	.	.
SH 7510	4099	.	5145	.	.	.	.	.	.	.
Average	4946	-	4897	-	9086	-	4911	-	5865	-
LSD at 10% Level	453	-	493	-	961	-	669	-	547	-
Std. Err. of Entry Mean	193	-	209	-	405	-	284	-	224	-

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Triticale and Rye Forage

Tifton, Georgia:

Triticale and Rye Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/10//2018	2/6/2018	3/2/2018	2018	2017
----- lb/acre -----					
Triticale					
TriCal Surge	1100	1982	2830	5911	.
KTA 120421-10	904	2113	2821	5838	.
TriCal Merlin Max	915	2004	2798	5716	.
NF201	501	1546	3407	5455	4193
TriCal 14T00208	653	1884	2871	5408	.
FL 08128	643	1819	2822	5283	2897
TriCal 342	501	1949	2832	5282	5293
FL 01143	686	1873	2442	5001	4552
Olaf	675	1525	2729	4928	.
GO-100 Triticale	1220	1187	1913	4319	.
390	240	708	2387	3334	.
Average	731	1690	2714	5134 ¹	-
LSD at 10% Level	173	287	288	455	-
Std. Err. of Entry Mean	72	120	120	190	-
Rye					
Bates RS4	1013	1851	2698	5562	4629
NF95319B	828	1873	2780	5481	.
Bono	828	1590	2625	5043	.
Wrens Abruzzi	697	1699	2639	5035	4781
NF97325	675	1601	2684	4960	.
Kelly Grazer III	926	1732	2267	4924	5325
FL 2X406	1002	2026	1881	4908	5108
ProPower	599	1481	2518	4598	.
Average	821	1732	2511	5064 ²	-
LSD at 10% Level	133	NS ³	262	NS	-
Std. Err. of Entry Mean	55	141	108	238	-

1. C.V. = 8.4%, and df for EMS = 30.

2. C.V. = 9.4%, and df for EMS = 21.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 14, 2017.

Seeding Rate: Triticale: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Rye: 2.7 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Triticale and Rye Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/22/2018	3/21/2018	2018	2017
	----- lb/acre -----			
<u>Triticale</u>				
Olaf	3191	1624	4815	.
NF201	2243	2569	4813	7284
390	1601	3049	4650	.
TriCal Surge	2929	1611	4540	.
TriCal 14T00208	2592	1389	3981	.
KTA 120421-10	2777	1152	3929	.
FL 08128	2570	1135	3705	4989
TriCal Merlin Max	2821	860	3681	.
TriCal 342	2842	599	3441	4633
FL 01143	2494	610	3104	4255
GO-100	2494	468	2962	.
Average	2569	1370	3965 ¹	-
LSD at 10% Level	489	378	446	-
Std. Err. of Entry Mean	204	157	186	-
<u>Rye</u>				
Bates RS4	3234	1231	4465	6878
ProPower	2385	2066	4451	.
Bono	2178	2055	4233	.
Kelly Grazer III	3812	348	4160	6647
NF95319B	2995	773	3768	7257
Wrens Abruzzi	3060	697	3757	7070
FL 2X406	3300	436	3735	6587
NF97325	2766	813	3579	7593
Average	2966	1052	4019 ²	-
LSD at 10% Level	526	356	499	-
Std. Err. of Entry Mean	216	146	205	-

1. C.V. = 9.4%, and df for EMS = 30.

2. C.V. = 10.2%, and df for EMS = 21.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

Seeding Rate: Triticale: 2 million seeds/acre (27 seeds/linear foot in 7" rows).
Rye: 2.7 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Greenville sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 5.7.

Fertilization: Preplant: 7 lb N, 20 lb P₂O₅, 20 lb K₂O, and 1,000 lb dolomitic lime/acre.

Topdress: 50 lb N/acre after 1st harvest.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Corn.

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

Athens, Georgia: Triticale and Rye Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2018	2017
	11/29/2017	2/2/2018	2/20/2018	3/23/2018	4/30/2018		
----- lb/acre -----							
Triticale							
390	925	1078	2041	2751	4088	10883	.
TriCal Surge	2141	3056	1350	1141	3159	10847	.
TriCal 14T00208	1306	2659	1204	1924	3742	10835	.
Olaf	1392	2630	1146	2054	3505	10727	.
NF201	1123	2968	2277	1305	2937	10610	9959
TriCal Merlin Max	1634	2262	1032	2077	3351	10357	.
KTA 120421-10	1388	3975	1285	643	2124	9415	.
FL 08128	799	3170	1079	1190	2094	8332	10053
FL 01143	1099	2935	1053	1089	2115	8291	9907
TriCal 342	666	2811	1382	871	2244	7974	7881
GO-100	1931	640	763	982	2428	6744	.
Average	1309	2562	1328	1457	2890	9547 ¹	-
LSD at 10% Level	255	429	406	411	577	914	-
Std. Err. of Entry Mear	106	179	169	171	240	381	-
Rye							
ProPower	1391	3063	1568	2035	5032	13090	.
Bono	1852	2537	1455	2069	5034	12947	.
NF95319B	1754	3286	1721	806	3870	11437	11092
NF97325	1660	3102	1759	719	4131	11371	10928
Bates RS4	1722	3244	1492	1108	3578	11143	11259
Wrens Abruzzi	1636	3133	1351	892	3808	10820	11244
FL 2X406	1880	1950	1292	847	4002	9971	11947
Kelly Grazer III	1738	2207	1138	806	3758	9647	11824
Average	1704	2815	1472	1160	4151	11303 ²	-
LSD at 10% Level	NS ³	270	NS	396	NS	1073	-
Std. Err. of Entry Mear	110	111	160	163	407	441	-

1. C.V. = 8.0%, and df for EMS = 30.

2. C.V. = 7.8%, and df for EMS = 21.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 6, 2017.

Seeding Rate: Triticale: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Rye: 2.7 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Wickham sandy loam.

Soil Test: P = High, K = High, and pH = 6.1.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Triticale and Rye Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2018	2017
	2/9/2018	3/9/2018	4/10/2018	5/4/2018	5/4/2018		
----- lb/acre -----							
Triticale							
FL 01143	1321	1404				2724	4166
GO-100 Triticale	1807	803				2609	.
FL 08128	724	1189				1913	4900
KTA 120421-10	593	688				1282	.
Olaf	530	591				1121	.
NF201	422	532				954	5760
Average	899	868				1767 ¹	-
LSD at 10% Level	177	290				383	-
Std. Err. of Entry Mean	71	117				155	-
Rye							
	<u>1/8/2018</u>	<u>2/6/2018</u>	<u>3/9/2018</u>	<u>4/10/2018</u>	<u>5/4/2018</u>		
FL 2X406	2109	1233	2380	1071	741	7535	5298
Kelly Grazer III	1830	1448	2304	1314	479	7374	5124
NF97325	842	1252	2963	1477	782	7317	5980
NF95319B	1157	1079	2808	1226	757	7027	5584
Bates RS4	1035	1252	2449	1483	653	6871	5835
Wrens Abruzzi	719	1357	2777	1159	642	6653	5978
Average	1282	1270	2614	1288	676	7129 ²	-
LSD at 10% Level	364	183	NS ³	251	NS	NS	-
Std. Err. of Entry Mean	147	74	187	101	100	290	-

1. C.V. = 17.5%, and df for EMS = 15.

2. C.V. = 8.1%, and df for EMS = 15.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 27, 2017.

Seeding Rate: Triticale: 2.0 million seeds/acre (27 seeds/linear foot in 7" rows).

Rye: 2.7 million seeds/acre (36 seeds/linear foot in 7" rows).

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = Low, and pH = 5.6.

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 70 lb K₂O/acre.

Topdress - Triticale: 50 lb N/acre after 1st harvest.

- Rye: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.

Management: Disked, moldboard plowed, and rototilled; 2,4-D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

All-Locations Summary: Triticale and Rye Forage Performance, 2017-2018

Brand-Variety	Tifton		Plains		Athens		Marianna, FL		All Locations	
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017
----- lb/acre -----										
Triticale										
390	3334	.	4650	.	10883	.	.	.	.	.
FL 01143	5001	4552	3104	4255	8291	9907	2724	4166	4780	5720
FL 08128	5283	2897	3705	4989	8332	10053	1913	4900	4808	5710
GO-100 Triticale	4319	.	2962	.	6744	.	2609	.	4159	.
KTA 120421-10	5838	.	3929	.	9415	.	1282	.	5116	.
NF201	5455	4193	4813	7284	10610	9959	954	5760	5458	6799
Olaf	4928	.	4815	.	10727	.	1121	.	5398	.
TriCal 14T00208	5408	.	3981	.	10835	.	.	.	.	.
TriCal Merlin Max	5716	.	3681	.	10357	.	.	.	.	.
TriCal Surge	5911	.	4540	.	10847	.	.	.	.	.
TriCal 342	5282	5293	3441	4633	7974	7881	.	.	.	.
Average	5134	-	3965	-	9547	-	1767	-	4953	-
LSD at 10% Level	455	-	446	-	914	-	383	-	562	-
Std. Err. of Entry Mean	190	-	186	-	381	-	155	-	239	-
Rye										
Bates RS4	5562	4629	4465	6878	11143	11259	6871	5835	7010	7150
Bono	5043	.	4233	.	12947	.	.	.	.	.
FL 2X406	4908	5108	3735	6587	9971	11947	7535	5298	6537	7235
Kelly Grazer III	4924	5325	4160	6647	9647	11824	7374	5124	6526	7230
NF95319B	5481	.	3768	7257	11437	11092	7027	5584	6928	.
NF97325	4960	.	3579	7593	11371	10928	7317	5980	6807	.
ProPower	4598	.	4451	.	13090	.	.	.	.	.
Wrens Abruzzi	5035	4781	3757	7070	10820	11244	6653	5978	6566	7268
Average	5064	-	4019	-	11303	-	7129	-	6729	-
LSD at 10% Level	NS ¹	-	499	-	1073	-	NS	-	NS	-
Std. Err. of Entry Mean	238	-	205	-	441	-	290	-	193	-

1. The F-Test indicated no statistical difference at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Triticale Silage

Tifton, Georgia: Triticale Silage Performance, 2017-2018

Brand-Variety	Silage Yield		Dry Matter	Plant Height	Lodging	Awning	Head Date
	Dry	Green ¹					
	tons/acre		%	in	%	0-1 scale	
FL 08128	6.3	17.9	30.9	57	10	1.00	03/04
KTA 120421-10	6.1	17.5	27.3	45	0	0.25	03/19
TriCal 342	6.0	17.3	32.1	58	3	1.00	03/05
FL 01143	5.6	16.0	32.3	58	46	0.25	03/02
NF201	5.5	15.8	28.9	58	23	1.00	03/07
GO-100 Triticale	5.4	15.5	34.8	41	35	0.50	02/23
TriCal Merlin	5.3	15.0	25.0	39	0	.	.
TriCal 14T00208	5.1	14.4	26.0	37	0	.	.
TriCal Surge	5.0	14.3	25.0	38	6	.	.
Olaf	4.6	13.2	25.0	37	0	.	.
390	2.3	6.5	21.6	20	0	.	.
Average	5.2 ²	14.8	28.1	44	11	.	.
LSD at 10% Level	0.4	1.2	1.0	2	12	.	.
Std. Err. of Entry Mean	0.2	0.5	0.4	1	5	.	.

1. Green yields have been standardized to 35% dry matter.

2. CV = 7.0%, and df for EMS = 30.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 14, 2017.

Harvested: March 23, 2018.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre as preplant; 100 lb N/acre as topdress.

Previous Crop: Peanuts.

Management: Disked, moldboard plowed, and rototilled.

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

Athens, Georgia: Triticale Silage Performance, 2017-2018

Brand-Variety	Silage Yield		Dry Matter	Plant Height	Lodging	Plants Headed	Head Date ²
	Dry	Green ¹					
	tons/acre		%	in	%	%	
TriCal 342	5.8	16.6	28.3	42	20	68	.
KTA 120421-10	4.9	14.1	23.0	37	3	13	.
FL 08128	4.8	13.7	24.3	42	14	90	03/28
NF201	4.0	11.3	22.5	42	43	19	.
Olaf	3.9	11.1	19.8	33	45	0	.
TriCal 14T00208	3.7	10.6	20.8	33	35	0	.
FL 01143	3.7	10.5	25.7	39	10	30	.
TriCal Merlin Max	3.6	10.4	19.8	31	9	0	.
TriCal Surge	3.6	10.3	22.3	32	63	0	.
390	3.2	9.1	20.3	24	5	0	.
GO-100 Triticale	1.2	3.4	23.3	26	0	0	.
Average	3.9 ³	11.0	22.7	34	22	20	.
LSD at 10% Level	0.8	2.3	2.4	3	19	9	.
Std. Err. of Entry Mean	0.3	0.9	0.9	1	8	4	.

- Green yields have been standardized to 35% dry matter.
- Head date is defined as 50% of heads having fully emerged from the boot. Since only 1 variety met that criteria, we included the percent of plants with any amount of the head emerging from the boot.
- CV = 16.5%, and df for EMS = 25.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 19, 2017.

Harvested: March 28, 2018.

Seeding Rate: 2 million seeds/acre (27 seeds/linear foot in 7" rows).

Soil Type: Wickiham sandy loam.

Soil Test: P = High, K = High, and pH = 6.1.

Fertilization: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre as preplant;
100 lb N/acre as topdress.

Previous Crop: Corn.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Test conducted by H. Jordan and G. Ware.

Statewide Summary: Triticale Silage Yields, 2017-2018

Brand-Variety	Dry Forage Yield								
	South ¹			North ²			Statewide		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
	----- tons/acre -----								
390	2.3	.	.	3.2	.	.	2.7	.	.
FL 01143	5.6	2.2	4.5	3.7	5.6	3.1	4.8	3.9	3.8
FL 08128	6.3	2.8	4.3	4.8	3.6	4.1	5.7	3.2	4.2
GO-100 Triticale	5.4	.	.	1.2	.	.	3.6	.	.
KTA 120421-10	6.1	.	.	4.9	.	.	5.5	.	.
NF201	5.5	3.2	3.6	4.0	4.6	3.4	4.7	3.9	3.5
Olaf	4.6	.	.	3.9	.	.	4.3	.	.
TriCal 14T00208	5.1	.	.	3.7	.	.	4.4	.	.
TriCal 342	6.0	3.8	4.4	5.8	5.6	3.7	5.9	4.7	4.0
TriCal Merlin Max	5.3	.	.	3.6	.	.	4.4	.	.
TriCal Surge	5.0	.	.	3.6	.	.	4.3	.	.
Average	5.2	-	-	3.9	-	-	4.6	-	-
LSD at 10% Level	0.4	-	-	0.8	-	-	0.9	-	-
Std. Err. of Entry Mean	0.2	-	-	0.3	-	-	0.4	-	-

1. Tifton.

2. Athens 2018, 2017; Griffin 2016.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD

Oat Forage

Tifton, Georgia: Oat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/10/2018	2/6/2018	3/2/2018	2018	2017
----- lb/acre -----					
NF 402	762	1514	3118	5394	5532
Horizon 306	784	1546	2884	5215	5695
LA09044SBS-U1	751	1437	2964	5153	.
Horizon 720	882	1601	2668	5151	5641
RAM LA99016	577	1732	2818	5127	5674
TX14OCS5212	523	1557	3037	5117	.
SCOP 86-4	621	1383	3091	5095	.
Graham	621	1394	3074	5089	5456
LA09045SBS-U4	545	1437	3003	4985	.
TX14OCS5154	741	1470	2698	4909	.
Legend 567	915	1481	2499	4895	5630
TX14OCS5171	697	1470	2717	4884	.
LA09015SBS-U1	555	1503	2804	4862	.
Horizon 270	555	1307	2996	4859	5369
NZA 228/15	980	1525	2320	4824	.
LA09030SBS-U3	751	1339	2630	4720	.
SCLA 0100214	523	1187	2919	4629	5169
TAMO 606	403	1187	2974	4563	5696
Tachi-Ibuki	806	1122	2208	4136	.
NZA 739/15	1024	947	1868	3839	.
NZA 4.41	1122	969	1560	3651	.
Average	721	1386	2707	4814 ¹	-
LSD at 10% Level	108	221	359	451	-
Std. Err. of Entry Mean	46	94	152	191	-

1. C.V. = 7.9%, and df for EMS = 60.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 14, 2017.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Oat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/22/2018	3/21/2018	2018	2017
	----- lb/acre -----			
LA99016	2309	1934	4243	8694
TX14OCS5212	1655	2546	4201	.
SCLA 0100214	1840	2328	4168	8645
NZA 228/15	1764	2379	4143	.
Horizon 306	1949	2080	4030	8798
Horizon 270	1307	2711	4018	8304
Graham	1797	2218	4015	8075
NF 402	2145	1814	3959	9151
TAMO 606	1459	2440	3899	7689
TX14OCS5171	1655	2200	3855	8408
LA09045SBS-U4	1437	2371	3808	.
LA09044SBS-U1	1830	1964	3794	.
SCOP 86-4	2036	1701	3738	.
Horizon 720	1884	1548	3432	7672
LA09015SBS-U1	2036	1314	3350	.
TX14OCS5154	2254	1082	3337	.
NZA 739/15	1209	2096	3305	.
LA09030SBS-U3	1623	1640	3263	.
Legend 567	2156	881	3038	.
NZA 4.41	1056	1866	2922	.
Tachi-Ibuki	708	1957	2665	.
Average	1720	1956	3775 ¹	-
LSD at 10% Level	469	708	498	-
Std. Err. of Entry Mean	198	300	211	-

1. C.V. = 11.5%, and df for EMS = 60.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 5.7.

Fertilization: Preplant: 7 lb N, 20 lb P₂O₅, 20 lb K₂O, and 1,000 lb dolomitic lime/acre.
Topdress: 50 lb N/acre after 1st harvest.

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Corn.

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

Athens, Georgia: Oat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	11/29.2017	2/16/2018	3/5/2018	4/20/2018	2018	2017
----- lb/acre -----						
Horizon 306	1746	3004	1708	2357	8815	5646
NF 402	1601	2626	1651	2919	8796	5100
NZA 228/15	1879	2344	1239	2837	8300	.
LA09030SBSB-U3	1640	1114	1308	4029	8091	.
SCOP 86-4	1485	2079	1638	2728	7929	.
TX14OCS5212	1673	2535	1736	1918	7862	.
TX14OCS5171	1564	1752	1333	3073	7722	.
LA99016	1549	1888	1563	2701	7701	.
LA09044SBS-U1	1422	2135	1238	2872	7667	.
SCLA 0100214	1570	2027	1559	2486	7642	5015
Horizon 270	1596	1450	1471	3086	7603	4107
LA09015SBS-U1	1769	600	1200	4007	7576	.
TX14OCS5154	1702	1915	1646	2205	7469	.
TAMO 606	1136	2164	1922	2222	7443	4522
Graham	1303	1857	1589	2639	7388	5236
Horizon 720	2035	1524	1150	2416	7125	5137
LA09045SBS-U4	1086	1681	1563	2403	6733	.
NZA 739/15	1878	578	865	3133	6453	.
Tachi-Ibuki ¹	2010	159	281	.	2449	.
NZA 4.41 ¹	2229	209	366	.	2805	.
Average	1644	1682	1351	2779	7178 ²	-
LSD at 10% Level	254	428	178	516	671	-
Std. Err. of Entry Mean	108	181	75	218	284	-

1. Insufficient regrowth after third cutting to assess yield.

2. C.V. = 7.9%, and df for EMS = 57.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 6, 2017.

Seeding Rate: 2.0 million seeds/acre (27 seeds/linearfoot in 7" rows).

Soil Type: Wickham sandy loam.

Soil Test: P = High, K = High, and pH = 6.1.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

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

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Oat Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	1/9/2018	2/14/2018	3/14/2018	4/18/2018	2018	2017
----- lb/acre -----						
NF 402	1664	1590	2239	3287	8780	8199
TX14OCS5212	1728	2090	1263	3251	8332	.
NZA 228/15	2402	1707	1195	2922	8225	.
SCOP 86-4	1802	1919	1402	3025	8147	.
LA09015SBS-U1	2190	976	1603	3376	8145	.
Horizon 720	2153	1452	1314	3042	7960	3276
TX14OCS5171	1639	1706	1606	2981	7933	.
Horizon 306	1949	1771	2021	2154	7896	7564
Horizon 270	1927	1549	1357	3025	7857	5855
LA99016	1710	1480	1910	2752	7852	7515
SCLA 0100214	1556	1626	1704	2906	7791	7690
LA09044SBS-U1	2188	1511	1110	2849	7657	.
Legend 567	2563	1261	930	2828	7581	3317
Graham	1515	1574	1378	3075	7542	7436
LA09030SBS-U3	2477	1115	1018	2851	7460	.
TX14OCS5154	1859	1869	1033	2408	7169	.
TAMO 606	1122	1328	2036	2524	7010	7071
NZA 739/15	2143	814	1028	2956	6941	.
LA09045SBS-U4	1667	1571	1235	2374	6847	.
Tachi-Ibuki	3178	783	542	2278	6780	.
NZA 4.41	2186	536	708	2370	5801	.
Average	1982	1439	1363	2820	7605 ¹	-
LSD at 10% Level	311	234	301	497	791	-
Std. Err. of Entry Mean	132	99	127	210	335	-

1. C.V. = 8.8%, and df for EMS = 60.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 26, 2017.

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

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = Low, and pH = 5.6.

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 70 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled; 2,4-D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

All-Locations Summary: Oat Forage Performance, 2017-2018

Brand-Variety	Tifton		Plains		Athens		Marianna, FL		All Locations	
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017
Graham	5089	5456	4015	8075	7388	5236	7542	7436	6008	6551
Horizon 270	4859	5369	4018	8304	7603	4107	7857	5855	6084	5909
Horizon 306	5215	5695	4030	8798	8815	5646	7896	7564	6489	6926
Horizon 720	5151	5641	3432	7672	7125	5137	7960	3276	5917	5432
LA09015SBS-U1	4862	.	3350	.	7576	.	8145	.	5983	.
LA09030SBS-U3	4720	.	3263	.	8091	.	7460	.	5883	.
LA09044SBS-U1	5153	.	3794	.	7667	.	7657	.	6068	.
LA09045SBS-U4	4985	.	3808	.	6733	.	6847	.	5593	.
LA99016	5127	5674	4243	8694	7701	.	7852	7515	6231	.
Legend 567	4895	5630	3038	.	.	.	7581	3317	.	.
NF 402	5394	5532	3959	9151	8796	5100	8780	8199	6732	6996
NZA 228/15	4824	.	4143	.	8300	.	8225	.	6373	.
NZA 4.41	3651	.	2922	.	2805	.	5801	.	3795	.
NZA 739/15	3839	.	3305	.	6453	.	6941	.	5135	.
SCLA 0100214	4629	5169	4168	8645	7642	5015	7791	7690	6058	6630
SCOP 86-4	5095	.	3738	.	7929	.	8147	.	6227	.
Tachi-Ibuki	4136	.	2665	.	2449	.	6780	.	4007	.
TAMO 606	4563	5696	3899	7689	7443	4522	7010	7071	5729	6245
TX14OCS5154	4909	.	3337	.	7469	.	7169	.	5721	.
TX14OCS5171	4884	.	3855	8408	7722	.	7933	.	6098	.
TX14OCS5212	5117	.	4201	.	7862	.	8332	.	6378	.
Average	4814	-	3775	-	7178	-	7605	-	5802	-
LSD at 10% Level	451	-	498	-	671	-	791	-	459	-
Std. Err. of Entry Mean	191	-	211	-	284	-	335	-	195	-

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Ryegrass Forage

Tifton, Georgia: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/20/2018	3/23/2018	4/19/2018	2018	2017
----- lb/acre -----					
Andes	3041	5536	2385	10961	4073
ME-4 EXP	2630	6122	2047	10800	3343
FL4XR16	3492	4976	2287	10755	.
TetraStar	3124	5225	2330	10679	3888
Credence	2810	5728	2124	10662	4171
Wax Marshall	2741	5811	2080	10631	3245
Prine	3132	5263	2178	10573	4182
ME-94 EXP	2247	5964	2222	10432	3572
Diamond T	3192	5068	2113	10373	4116
GALM1515	2837	5527	1851	10216	3921
RM4L	2783	5212	2211	10205	.
Lonestar	2989	5061	2102	10152	3714
Nelson Tetraploid	2687	5363	2102	10152	4007
Jackson	2660	5375	2036	10071	3572
TAMTBO	2953	4981	2113	10047	4214
Big Boss	2462	5600	1938	10001	4105
Fria	2810	5208	1949	9967	4160
PS15	2442	5169	2309	9920	3942
GALM1401	2699	5177	2004	9880	4824
Attain	2652	5128	2091	9871	4051
Winterhawk	2319	5366	2134	9819	3659
LSC-B1191 Diploid	2262	5540	1971	9773	.
GALM1514	2803	4763	2102	9668	3910
FLP 16GRB	3015	4539	2080	9634	.
GALM1403	2898	4578	2102	9578	4225
GA103F	2601	5250	1688	9539	.
GALM1402	2634	4870	1993	9497	4487
PS12	2625	4787	2069	9481	4367
WMWL EXP	1987	5410	2058	9455	3136
Flying A	2196	5232	2026	9454	4999
FLME 16	3012	4302	2058	9372	.
Angusta	2491	4700	2178	9369	.
M2CVS EXP	1556	5611	2156	9323	2962
FrostProof	2264	5065	1960	9289	4519
GALM1513	1705	5652	1884	9241	3909
GALM1502	2282	4873	2058	9213	3779
Grits Diploid	1834	5405	1971	9210	.
GA101M	2223	5045	1928	9196	3463
Grazer	2840	4338	1938	9117	4563
GA102A	2335	4665	2036	9037	4879

**Tifton, Georgia:
Ryegrass Forage Performance, 2017-2018
(Continued)**

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/20/2018	3/23/2018	4/19/2018	2018	2017
	----- lb/acre -----				
Passerel Plus	2027	4874	2102	9004	2799
GALM1501	2511	4622	1797	8930	4215
GALM1503	2119	4997	1808	8924	4650
Earlyploid	2507	4579	1732	8818	5053
Koga	1628	4801	2243	8672	.
Average	2557	5141	2057	9755 ¹	-
LSD at 10% Level	718	385	262	877	-
Std. Err. of Entry Mean	307	165	112	374	-

1. C.V. = 7.7%, and df for EMS = 132.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 14, 2017.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Very High, and pH = 6.3.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Peanuts.

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

Plains, Georgia: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/22/2018	3/21/2018	4/13/2018	2018	2017
----- lb/acre -----					
Grazer	1590	3541	1808	6939	9133
M2CVS EXP	1100	3062	2439	6601	9630
WMWL EXP	1339	2619	2624	6583	9191
TAMTBO	1154	3664	1710	6528	9741
Wax Marshall	1612	3011	1895	6517	9771
ME-4 EXP	1525	2947	2015	6486	10007
GALM1403	1350	3528	1546	6425	8866
Jackson	1220	3187	1862	6269	9297
Credence	1143	3215	1884	6242	9052
Prine	1481	2654	2069	6204	9057
Lonestar	1383	3064	1732	6178	9611
ME-94 EXP	1220	2902	2047	6169	8944
Diamond T	1111	3328	1721	6159	8933
FrostProof	1416	3069	1634	6118	8795
GALM1515	1209	3371	1535	6115	8661
Flying A	1514	2946	1623	6083	8961
PS15	1111	3262	1699	6071	9450
RM4L	1263	2854	1938	6056	.
Andes	1143	2985	1830	5958	9322
GALM1503	1165	3056	1721	5942	8205
Passerel Plus	1165	2927	1775	5867	8844
GA102A	1361	2546	1949	5856	9201
GALM1401	1089	3173	1590	5852	8969
Nelson Tetraploid	1241	2995	1612	5848	9529
LSC-B1191 Diploid	1285	2957	1601	5843	.
GA101M	1176	2756	1862	5795	8546
Grits Diploid	1198	3184	1329	5711	.
GALM1513	1100	3162	1437	5699	9058
Angusta	1133	2831	1721	5684	.
Winterhawk	1209	3056	1405	5670	8582
GALM1502	1100	2839	1721	5660	9025
GALM1501	1514	2628	1514	5655	8880
PS12	1481	2589	1568	5638	9561
TetraStar	1013	2849	1742	5604	10099
GALM1514	1285	2495	1753	5533	8520
Earlyploid	1209	2806	1514	5528	9668
Attain	958	2705	1862	5526	8584
GA103F	1285	2716	1525	5525	.
Big Boss	937	2805	1775	5517	8698
Koga	839	2360	2145	5344	.

**Plains, Georgia:
Ryegrass Forage Performance, 2017-2018
(Continued)**

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/22/2018	3/21/2018	4/13/2018	2018	2017
----- lb/acre -----					
Fria	1187	2485	1612	5284	8829
GALM1402	784	2208	1895	4887	9203
Average	1228	2937	1768	5933 ¹	-
LSD at 10% Level	333	498	279	598	-
Std. Err. of Entry Mean	142	213	119	255	-

1. C.V. = 8.6%, and df for EMS = 123.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: November 17, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 5.7.

Fertilization: Preplant: 7 lb N, 20 lb P₂O₅, 20 lb K₂O, and 1,000 lb dolomitic lime/acre.

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

Management: Disked, chisel plowed, field conditioned, and rototilled.

Previous Crop: Corn.

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

Athens, Georgia: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	1/10/2018	2/16/2018	3/9/2018	4/20/2018	2018	2017
----- lb/acre -----						
ME-4 EXP	2417	1310	1498	3977	9202	14088
RM4L	2528	1045	1475	3847	8895	.
Grits Diploid	1901	998	1715	4195	8810	.
PS12	2917	972	1176	3667	8733	13942
TetraStar	1901	987	1332	4291	8511	13942
Big Boss	1769	952	1402	4376	8499	14495
Angusta	1851	1205	1559	3708	8323	.
PS15	2454	849	1309	3674	8286	14959
Flying A	2146	984	1481	3629	8240	13565
WMWL EXP	2117	906	1564	3651	8237	12870
Passerel Plus	2091	974	1223	3855	8143	14461
FrostProof	2216	1002	1265	3594	8078	13533
Attain	1961	1044	1424	3644	8074	13417
Lonestar	1478	1219	1566	3801	8064	13369
Wax Marshall	1959	918	1370	3732	7980	13967
Grazer	2446	953	1351	3216	7965	12678
Earlyploid	1017	912	1769	4261	7960	13194
Andes	1471	966	1453	4053	7943	14335
Nelson Tetraploid	2090	860	1412	3556	7918	13940
GALM1515	2140	896	1444	3395	7875	12282
M2CVS EXP	1100	688	1525	4558	7872	14673
GA101M	1637	953	1576	3702	7868	13556
Diamond T	2105	926	1278	3498	7808	14080
LSC-B1191 Diploid	1527	909	1502	3860	7798	.
TAMTBO	2127	856	1188	3606	7777	14293
GALM1403	1858	851	1395	3620	7725	12748
ME-94 EXP	1441	789	1289	4142	7661	12983
GALM1513	1642	896	1407	3699	7643	12215
GA102A	2244	1009	1231	3155	7639	13383
GALM1503	1920	957	1175	3568	7620	11986
Prine	1442	702	1482	3951	7577	13562
Jackson	1341	787	1473	3835	7437	12706
Credence	1533	843	1367	3677	7420	13704
GALM1502	1286	823	1353	3817	7280	13000
GALM1402	1629	846	1438	3363	7276	13667
GA103F	1776	906	1231	3340	7253	.
GALM1401	1618	794	1499	3321	7232	13158
Winterhawk	1485	901	1421	3364	7170	12425
GALM1514	1786	754	1330	3239	7108	13439
Fria	1752	942	1291	3082	7067	13011
GALM1501	1720	932	1507	2785	6945	12603
Koga	1190	371	1134	3439	6133	.
Average	1834	914	1402	3684	7834 ¹	-
LSD at 10% Level	568	228	NS ²	625	1040	-
Std. Err. of Entry Mean	242	97	122	267	444	-

Athens, Georgia: Ryegrass Forage Performance, 2017-2018 (Continued)

1. C.V. = 11.3%, and df for EMS = 123.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 6, 2017.

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

Soil Type: Wickham sandy loam.

Soil Test: P = High, K = High, and pH = 6.1.

Fertilization: Preplant: 70 lb N, 177 lb P₂O₅, and 354 lb K₂O/acre.

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

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Calhoun, Georgia: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	3/9/2018	4/6/2018	5/2/2018	5/17/2018	2018	2017
----- lb/acre -----						
ME-4 EXP	3955	2376	2831	883	10045	7583
M2CVS EXP	1610	4048	2641	1087	9386	6689
Wax Marshall	2718	3282	2265	1080	9345	6964
Fria	3477	1970	2966	782	9194	6963
Winterhawk	2489	2967	2551	1019	9027	6736
GA101M	2450	2740	2778	1052	9020	8445
Grits Diploid	3196	2360	2596	821	8972	.
Andes	2229	3140	2384	1199	8952	6493
Kodiak	3013	2504	2347	1080	8945	6920
GA103F	2718	2562	2593	1036	8908	.
Flying A	2807	2464	2716	914	8900	7400
Credence	2138	3383	2164	1208	8893	7585
ME-94 EXP	2696	2821	2506	783	8805	6036
Lonestar	2978	2244	2649	896	8766	7671
McKinley	3049	2197	2788	721	8755	7050
FrostProof	3050	2195	2648	813	8707	7334
WMWL EXP	2474	3107	2328	785	8693	7680
LSC-B1191 Diploid	2414	2726	2596	923	8658	.
Nelson Tetraploid	2412	2626	2567	1030	8635	8098
Prine	2263	2609	2543	1187	8601	8120
Jackson	2501	2779	2467	840	8587	6580
RM4L	2244	2859	2407	1038	8547	.
GALM1403	3038	2390	2406	708	8542	7571
Passerel Plus	2615	2351	2541	1023	8531	7560
GALM1513	2577	2338	2726	885	8527	8306
TetraStar	2381	2857	2146	1137	8520	7691
Attain	2346	2744	2282	1118	8491	8207
GALM1515	3043	1987	2525	931	8486	7184
Diamond T	2296	2738	2217	1142	8393	7290
GALM1401	2518	2186	2925	759	8387	6672
Koga ¹	1522	3239	2428	1181	8369	.
Grazer	2995	2210	2300	855	8360	6789
PS15	2412	2788	2433	719	8351	7495
TAMTBO	2486	2582	2239	1033	8339	6823
GALM1501	3007	1934	2763	633	8337	6707
GALM1502	2773	2488	2239	820	8321	7787
Angusta	2425	2734	2299	832	8290	.
GALM1503	2979	2045	2426	810	8259	7550
Big Boss	2316	2558	2373	919	8167	7006
PS12	2456	2689	2274	730	8149	7113
GALM1402	2505	2462	2470	702	8140	7584
GA102A	2445	2554	2183	835	8017	6823
GALM1514	2136	2593	2242	836	7807	7871
Earlyploid	2449	1802	2430	679	7360	7277
Average	2605	2596	2482	920	8602 ²	-
LSD at 10% Level	609	511	423	NS ³	718	-
Std. Err. of Entry Mean	260	218	180	144	307	-

Calhoun, Georgia: Ryegrass Forage Performance, 2017-2018 (Continued)

1. After the final harvest, 'Koga' continued to produce leafy growth, while other varieties only produced stems.
2. C.V. = 10.4%, and df for EMS = 185.
3. The F-test indicated no statistical difference at the $\alpha = 0.10$ probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD ($P = 0.10$).

Planted: November 2, 2017.

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

Soil Type: Waynesboro loam.

Soil Test: P = High, K = Very High, and pH = 6.4.

Fertilization: Preplant: 75 lb N, 0 lb P_2O_5 , and 0 lb K_2O /acre.

Topdress: 70 lb N/acre after 1st, 2nd, and 3rd harvests.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	1/16/2018	2/20/2018	3/21/2018	4/26/2018	2018	2017
----- lb/acre -----						
ME-4 EXP	1565	1252	2774	4685	10275	6121
FL4XR16	1588	1709	2511	3949	9758	.
RM4L	1597	1357	2557	4149	9660	.
Attain	1574	1638	2362	4061	9635	6727
Angusta	1575	1482	2467	4074	9598	.
TAMTBO	1679	1455	2540	3907	9580	6688
Big Boss	1767	1633	2322	3757	9479	6938
TetraStar	2406	1505	2188	3324	9422	6786
Prine	1367	1294	2625	4067	9352	6796
PS15	1503	1487	2441	3814	9245	6555
Grazer	1518	1542	2154	4015	9228	5751
Passerel Plus	1786	1364	2370	3610	9130	5395
Grits Diploid	1138	1563	2602	3703	9006	.
Nelson Tetraploid	1560	1315	2381	3749	9005	7652
PS12	1953	1766	2077	3164	8961	6293
Andes	1448	1408	2002	4063	8922	7677
Wax Marshall	1401	935	2287	4262	8885	6514
ME-94 EXP	1211	1190	2307	4174	8882	6249
Jackson	1546	1418	2250	3661	8875	6748
FLME 16	1335	2161	1772	3604	8872	.
Diamond T	1591	1361	2271	3636	8859	6195
Fria	1399	1392	2070	3997	8859	6298
GALM1502	1337	1132	2385	3957	8811	6414
GA102A	1427	1371	2230	3738	8767	6660
FrostProof	1227	1675	2175	3649	8727	6307
FLP 16GRB	944	1599	2368	3673	8584	6818
Lonestar	1459	1604	2174	3315	8552	6156
GA101M	1456	1205	2271	3619	8551	5420
Credence	1257	1274	2149	3810	8490	7024
GALM1503	1431	1706	1969	3295	8400	5963
GALM1514	1459	1248	2182	3444	8332	6721
LSC-B1191 Diploid	1106	1162	2418	3608	8294	.
WMWL EXP	1406	955	2128	3775	8264	6113
Flying A	1453	1494	2038	3239	8224	5671
M2CVS EXP	852	689	2572	4009	8122	5632
GALM1402	1441	1221	1926	3528	8115	6105
GALM1403	1225	1551	2144	3177	8097	5172
Winterhawk	830	1433	2614	3070	7947	6026
Earlyploid	1319	1352	1782	3258	7711	7474
GALM1501	1116	1495	2171	2916	7698	5591

**Marianna, Florida:
Ryegrass Forage Performance, 2017-2018
(Continued)**

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2018	2017
	1/16/2018	2/20/2018	3/21/2018	4/25/2018		
----- lb/acre -----						
GALM1515	1266	1357	2109	2955	7687	5358
GALM1513	1101	1021	2202	3336	7661	6248
GALM1401	1109	1338	2180	2760	7388	5307
GA103F	1346	1187	2165	2588	7287	.
Koga	922	633	1935	2773	6263	.
Average	1400	1376	2858	3620	8655 ¹	-
LSD at 10% Level	376	308	331	609	925	-
Std. Err. of Entry Mean	160	131	141	260	395	-

1. C.V. = 9.1%, and df for EMS = 132.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: October 26, 2017.

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

Soil Type: Chipola loamy sand.

Soil Test: P = Medium, K = Low, and pH = 5.6.

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 70 lb K₂O/acre.

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

Management: Disked, moldboard plowed, rototilled; 2,4D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

All-Locations Summary: Ryegrass Forage Performance, 2017-2018

Brand-Variety	Dry Forage Yield											
	Tifton		Plains		Athens		Calhoun		Marianna, FL		All Locations	
	2018	2017	2018	2017	2018	2017	2018	2017 ¹	2018	2017	2018	2017
	-----lb/acre-----											
Andes	10961	4073	5958	9322	7943	14335	8952	6493	8922	7677	8546	8380
Angusta	9369	.	5684	.	8323	.	8290	.	9598	.	8253	.
Attain	9871	4051	5526	8584	8074	13417	8491	8207	9635	6727	8319	8197
Big Boss	10001	4105	5517	8698	8499	14495	8167	7006	9479	6938	8333	8248
Credence	10662	4171	6242	9052	7420	13704	8893	7585	8490	7024	8341	8307
Diamond T	10373	4116	6159	8933	7808	14080	8393	7290	8859	6195	8318	8123
Earlyploid	8818	5053	5528	9668	7960	13194	7360	7277	7711	7474	7475	8533
FL4XR16	10755	.	.	.	.	.	.	.	9758	.	.	.
FLME 16	9372	.	.	.	.	.	.	.	8872	.	.	.
FLP 16GRB	9634	.	.	.	.	.	.	6083	8584	6818	.	6451
Flying A	9454	4999	6083	8961	8240	13565	8900	7400	8224	5671	8180	8119
Fria	9967	4160	5284	8829	7067	13011	9194	6963	8859	6298	8074	7852
FrostProof	9289	4519	6118	8795	8078	13533	8707	7334	8727	6307	8184	8098
GA101M	9196	3463	5795	8546	7868	13556	9020	8445	8551	5420	8086	7886
GA102A	9037	4879	5856	9201	7639	13383	8017	6823	8767	6660	7863	8189
GA103F	9539	.	5525	.	7253	.	8908	.	7287	.	7702	.
GALM1401	9880	4824	5852	8969	7232	13158	8387	6672	7388	5307	7748	7786
GALM1402	9497	4487	4887	9203	7276	13667	8140	7584	8115	6105	7583	8209
GALM1403	9578	4225	6425	8866	7725	12748	8542	7571	8097	5172	8073	7716
GALM1501	8930	4215	5655	8880	6945	12603	8337	6707	7698	5591	7513	7599
GALM1502	9213	3779	5660	9025	7280	13000	8321	7787	8811	6414	7857	8001
GALM1503	8924	4650	5942	8205	7620	11986	8259	7550	8400	5963	7829	7671
GALM1513	9241	3909	5699	9058	7643	12215	8527	8306	7661	6248	7754	7947
GALM1514	9668	3910	5533	8520	7108	13439	7807	7871	8332	6721	7690	8092
GALM1515	10216	3921	6115	8661	7875	12282	8486	7184	7687	5358	8076	7481
Grazer	9117	4563	6939	9133	7965	12678	8360	6789	9228	5751	8322	7783
Grits Diploid	9210	.	5711	.	8810	.	8972	.	9006	.	8342	.
Jackson	10071	3572	6269	9297	7437	12706	8587	6580	8875	6748	8248	7781
Kodiak	.	.	.	.	.	.	8945	.	.	.	.	.
Koga	8672	.	5344	.	6133	.	8369	.	6263	.	6956	.
Lonestar	10152	3714	6178	9611	8064	13369	8766	7671	8552	6156	8344	8104
LSC-B1191 Diploid	9773	.	5843	.	7798	.	8658	.	8294	.	8073	.
M2CVS EXP	9323	2962	6601	9630	7872	14673	9386	6689	8122	5632	8261	7917
McKinley	.	.	.	.	.	.	8755	.	.	.	.	.
ME-4 EXP	10800	3343	6486	10007	9202	14088	10045	7583	10275	6121	9361	8228
ME-94 EXP	10432	3572	6169	8944	7661	12983	8805	6036	8882	6249	8390	7557
Nelson Tetraploid	10152	4007	5848	9529	7918	13940	8635	8098	9005	7652	8311	8645
Passerel Plus	9004	2799	5867	8844	8143	14461	8531	7560	9130	5395	8135	7812
Prine	10573	4182	6204	9057	7577	13562	8601	8120	9352	6796	8461	8343
PS12	9481	4367	5638	9561	8733	13942	8149	7113	8961	6293	8191	8255

**All-Locations Summary:
Ryegrass Forage Performance, 2017-2018
(Continued)**

Brand-Variety	Dry Forage Yield											
	Tifton		Plains		Athens		Calhoun		Marianna, FL		All Locations	
	2018	2017	2018	2017	2018	2017	2018	2017 ¹	2018	2017	2018	2017
	----- lb/acre -----											
PS15	9920	3942	6071	9450	8286	14959	8351	7495	9245	6555	8374	8480
RM4L	10205	.	6056	.	8895	.	8547	.	9660	.	8673	.
TAMTBO	10047	4214	6528	9741	7777	14293	8339	6823	9580	6688	8454	8352
TetraStar	10679	3888	5604	10099	8511	13942	8520	7691	9422	6786	8547	8481
Wax Marshall	10631	3245	6517	9771	7980	13967	9345	6964	8885	6514	8672	8092
Winterhawk	9819	3659	5670	8582	7170	12425	9027	6736	7947	6026	7926	7486
WMWL EXP	9455	3136	6583	9191	8237	12870	8693	7680	8264	6113	8247	7798
Average	9755	-	5933	-	7834	-	8602	-	8655	-	8145	-
LSD at 10% Level	877	-	598	-	1040	-	718	-	925	-	408	-
Std. Err. of Entry Mear	374	-	255	-	444	-	307	-	395	-	392	-

1. Planting was delayed until February 1, 2017 due to extreme drought in the fall of 2016..

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P =

Sources of Seed for the 2017-2018 Small Grain Performance Tests

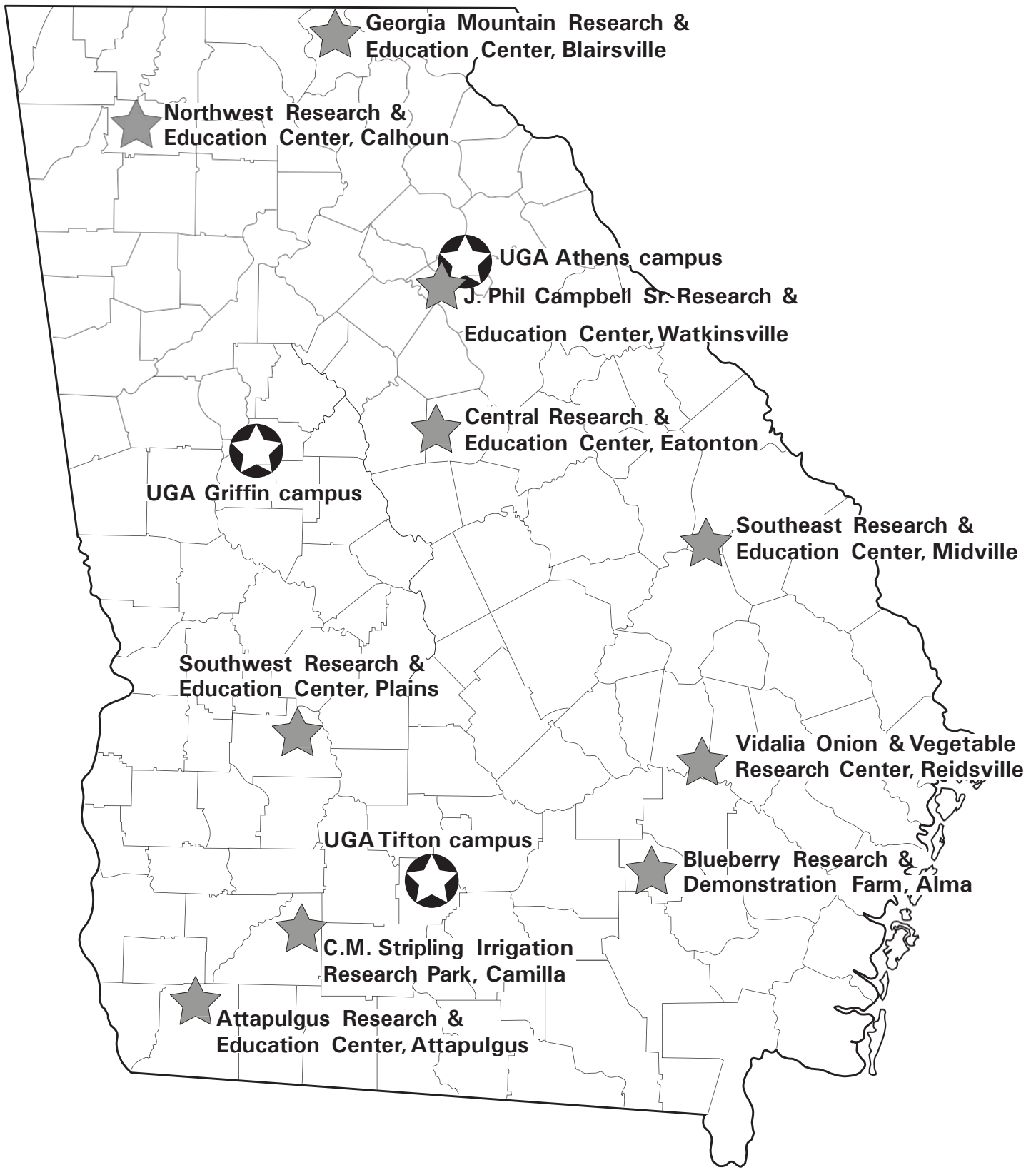
Crop	Variety – Seed Source
Wheat	- AgriMAXX – AgriMAXX Wheat Company, 7167 Highbanks Road, Mascoutah, IL 62258.
	- AGS and GrazeALL - AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708.
	- AR – University of Arkansas, 115 PTSC, CSES, Fayetteville, AR 72701.
	- Dyna-Gro - Dyna-Gro Seed, 1201 N. Main Street, Moultrie, GA 31768..
	- Fila – University of Florida, 3105 McCarty Hall, Gainesville, FL 32611.
	- GA and GAJT - University of Georgia - Griffin Campus, Crop & Soil Sciences Dept., 1109 Experiment Street, Griffin, GA 30223-1797.
	- GA-Gore - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
	- Gerard – Gerard Seed Company, 1041 E. 4 th Street, Washington, NC 27889.
	- GoWheat – Stratton Seed Company, 1530 Hwy 79 South, Stuttgart, AR 72160.
	- LA - Louisiana State University, SPESS, 104 M.B. Sturgis Hall, Baton Rouge, LA 70808.
	- Luisa, 15MDX5, 15MDX18, and 15MDX20 – University of Maryland, 1116 Research Greenhouse Complex, College Park, MD 30742.
	- L11713 – Limagrain Cereal Seeds, 7099 Parkbrook Lane, Cordova, TN 38018.
	- Lockdown and Mayhem –Armor Seed, LLC, 1883 Pennsylvania Avenue, Waldenburg, AR 72475.
	- NC - North Carolina State University, Box 7629, Raleigh, NC 27511.
	- NF and ON – Noble Research Foundation LLC, 2510 Sam Noble Parkway, Ardmore, OK 73401.
	- Pioneer - Dupont Pioneer, 425 Abbeydale Way, Columbia, SC 29229.
	- PGX, #BOSS, #BULLET, and #TURBO – Progeny Ag Products, 1529 Highway 193 South, Wynne, AR 72396.
	- SCLA – Clemson University, 179 Old Cherry Road, Clemson, SC 29634.
	- SH – Meherrin Agricultural & Chemical Company, 413 Main Street, Severn, NC 27877.
	- SX and SY – Syngenta Cereals, 14031 Trestle Road, Highland, IL 62249.
- USG - UniSouth Genetics, Inc., 3205-C Highway 46 South, Dickson, TN 37055.	
- VA - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.	
Triticale	- FL - University of Florida, 155 Research Road, Quincy, FL 32351.
	- GO-100 – Grassland Oregon, Inc., 4455 60 th Avenue NE, Salem, OR 97305.
	- KTA, OLAF, 390 – Progene Plant Research, 860 S. Crestline, Othello, WA 99344.
	- NF201 - Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113.
	- TriCal – TriCal Superior Forage, 2355 Rice Pike, Union, KY 41091.

Sources of Seed for the 2017-2018 Small Grain Performance Tests (Continued)

Crop	Variety – Seed Source
Rye	<ul style="list-style-type: none"> - Bates RS4 and NF - Samuel Roberts Noble Foundation, 2510 Sam Noble Parkway, Ardmore, OK 73401. - Bono and ProPower – TriCal Superior Forage, 2355 Rice Pike, Union, KY 41091. - FL - University of Florida, 155 Research Road, Quincy, FL 32351. - Kelly Grazer III – Kelly Seed Co., 420 S. Shiloh Road, Hartford, AL 36344. - Wrens Abruzzi - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
Oat	<ul style="list-style-type: none"> - Graham, SCLA, and SCOP - Clemson University, 179 Old Cherry Road, Clemson, SC 29634. - Gerard – Gerard Seed Company, 1041 E. 4th Street, Washington, NC 27889. - Horizon - Plantation Seed Conditioners, PO Box 398, Newton, GA 39870. - LA - Louisiana State University, SPESS, 104 M.B. Sturgis Hall, Baton Rouge, LA 70808. - Legend - Mayo Fertilizer, Inc., 300 SE Clyde Avenue, Mayo, FL 32066. - NC - North Carolina State University, Box 7629, Raleigh, NC 27511. - NF 402 - Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113. - NZA – Progene Plant Research, 860 S. Crestline, Othello, WA 99344. - RAM - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454. - Tachi-Ibuki – Grassland Oregon, Inc. 4455 60th Avenue NE, Salem, OR 97305. - TAMO - Specialty Seed Inc., PO Box 605, Brandon, MS 39043. - TX - Texas A&M University, 370 Olsen Blvd., College Station, TX 77843-2474.
Barley	<ul style="list-style-type: none"> - All varieties - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.

Sources of Seed for the 2017-2018 Small Grain Performance Tests (Continued)

Crop	Variety – Seed Source
Ryegrass	<ul style="list-style-type: none"> - Andes, Augusta, Credence, Kodiak, and McKinley - DLF Pickseed USA, PO Box 229, Halsey, OR 97348. - Attain, Big Boss, FrostProof, and Koga - Smith Seed Service, PO Box 288, Halsey, OR 97348. - BAR, Jumbo, and Maximas – Barenbrug USA, PO Box 239, Tangent, OR 97389. - Diamond T, Flying A, TAMTBO, and Winterhawk - Oregro Seeds, Inc., 33080 Red Bridge Road, Albany, OR 97377. - Earlyploid, Prine, and RM4L - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454. - FL - University of Florida, 155 Research Road, Quincy, FL 32351. - FLME 16 , FLP 16GRB, and FL4XR16 - University of Florida, 6100 NW 156th Avenue, Gainesville, FL 32653. - Fria - Allied Seed LLC, 1108 Hilldale Drive, Macon, MO 63552. - GA, GALM, and Grazer - University of Georgia, 111 Riverbend Road, Athens, GA 30602. - Grits and LSC – Lewis Seed Company, PO Box 100, Shedd, OR 97377. - Lonestar and TetraStar - Grassland Oregon, Inc., 4455 60th Avenue NE, Salem, OR 97305. - Jackson, ME4, ME94, M2CVS, Nelson, Wax Marshall, and WMWL - The Wax Company, Inc., PO Box 60, Amory, MS 38821. - Passerel Plus and PS - Pennington Seed, 1280 Atlanta Highway, Madison, GA 30650.



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ADDRESS CORRECTION REQUESTED

“CERTIFIED SEED DOESN’T COST ... IT PAYS”

HERE’S WHY:

- Known performance of varieties adapted to your area.
- A pedigree record that begins with the release of breeder seed and continues until it reaches the consumer as certified (blue tag) seed.
- Field inspected for trueness to variety and inseparable from other crop and weed seed.
- Certified seed can only be conditioned in an approved facility.
- Certified seed must meet high quality standards as to germination and purity.
- Free of noxious weeds.

The planting of CERTIFIED SEED eliminates many of the risks associated with crop production. For sources of certified seed, contact your local county Extension agent or the Georgia Crop Improvement Association, Inc. at 706-542-2351.

