

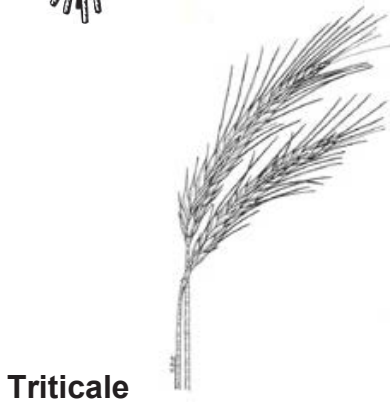
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Georgia

2016-2017 Small Grain Performance Tests

Daniel J. Mailhot, Dustin Dunn, Henry Jordan, Jr.,
John D. Gasset, 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 2016-2017 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 2017 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 five publications presenting the performance of agronomic crops in Georgia. For information concerning other crops, refer to one of the following research reports: 2016 Corn Performance Tests (Annual Publication 101-8); 2016 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication 103-8); 2016 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication 104-8); and 2013-2014 Canola Performance Tests (available at <http://www.swvt.uga.edu/canola.html>).

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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2016-2017 SMALL GRAIN PERFORMANCE TESTS

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

Georgia producers in much of the state faced extreme or exceptional drought conditions during the fall of 2016. The north and west portions of the state were most strongly affected, and this lasted from October through December. The remainder of the season had more normal rainfall, but winter temperatures were unusually warm.

2016-2017 Rainfall¹

Month	Year	Calhoun ²	Athens ³	Midville	Plains	Tifton	Marianna, FL ⁴
----- inches -----							
October	2016	0.00	0.04	2.50	0.00	0.06	0.22
November	2016	2.12	2.16	0.42	0.95	4.68	0.80
December	2016	3.47	3.12	5.38	5.82	9.21	12.33
January	2017	8.58	6.46	7.28	10.23	7.00	7.28
February	2017	3.73	2.05	1.68	2.97	1.56	3.78
March	2017	4.58	2.45	1.37	1.44	1.49	2.11
April	2017	6.29	5.97	4.21	4.68	3.80	2.12
May	2017	5.96	5.34	4.35	6.29	2.65	4.28
June 1-14	2017	2.49	1.26	2.73	3.24	2.36	5.63
Total (9 months)		37.22	28.85	29.92	35.59	32.81	38.55
Normal (9 months)		39.42	34.60	29.69	37.39	29.93	34.74

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.

4. University of Florida North Florida Research and Education Center location.

The shortage of cool temperatures prevented some varieties from vernalizing sufficiently. This led to reduced heading and lower yields. Other varieties vernalized adequately, but were damaged by the severe late spring freeze that affected the state. Cold damaged plants showed delayed (and reduced) heading, and heads that emerged prior to the cold showed bleaching and a lack of grain fill. The timing and severity of the freeze were unusual, and it has been suggested that the last time the wheat crop encountered this situation was in the spring of 1984.

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Hours under 45° F, Nov. 15, 2016-Apr. 1, 2017

Year	Calhoun ¹	Athens ²	Midville	Plains	Tifton
2013	1605	1431	980	895	679
2014	1863	1687	1194	1203	962
2015	1722	1597	1187	1154	921
2016	1310	1025	791	764	637
2017	1162	972	722	591	463

1. Floyd County location.
2. Watkinsville, Ga.

During 2017, oat planted and harvested acreages increased somewhat from 2016. Rye planted acreage increased by 25%, however, it is primarily used as a forage and cover crop. Wheat acreage declined by 11% (planted) and 18% (harvested) to a 5-year low.

Small Grains Acres (thousands) by Harvest Year¹

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

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

SMALL GRAIN CULTURAL PRACTICES

R. Dewey Lee
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Fertilization

Soil samples should be taken from all fields used for planting in small grains, whether for grain or grazing. Testing the soil before planting helps to determine the amount and type of fertilizer needed to produce a small grain crop. This practice may prevent excessive expenditures where the soil fertility level is very high, and it ensures that the nutritional needs of the crop are met.

Lime should be applied to maintain the soil pH at a target pH of 6.0. If the small grains are to be grazed or if magnesium (Mg) levels are low, dolomitic lime (high Mg) should be used. Adequate amounts of lime should be applied to the previous crop to ensure that the soil pH is in the desired range prior to planting small grains. If soil tests indicate the need for lime, it should be applied as soon as possible in order to allow adequate time for the soil pH change to occur. Allow two to three months or more, depending on the fineness of grind.

The table below shows the recommended rates of fertilizer N-P₂O₅-K₂O to apply to small grains, based on soil test levels:

Soil Test Rating for Potassium (K ₂ O)				
	Low	Medium	High	Very High
Low	*-80-80	*-80-40	*-80-0	*-80-0
Medium	*-40-80	*-40-40	*-40-0	*-40-0
High	*-0-80	*-0-40	*-0-0	*-0-0
Very High	*-0-80	*-0-40	*-0-0	*-0-0

*For a small grain following a legume, apply 60-80 lb N/acre; for a small grain following cotton, corn, etc., apply 80-100 lb N/acre; for a small grain following grain sorghum, apply 100-120 lb N/acre. Apply 20-40 lb of recommended N/acre in the fall and the remainder in February. For grazing, increase the total N fertilizer rate by 60 lb N/acre and apply in two applications—one-half in the fall and the remainder in mid-winter.

Planting

Small grain seed should be planted in a well-prepared, firm, moist seedbed. Moldboard plowing or chisel plowing is recommended over disc harrowing. The seed should be planted 1 to 1.5 inches deep. The proper planting date for small grains is important for both grain and forage production. Some factors to consider in determining the date for planting small grains include variety, geographic location, weather patterns, soil moisture, and intended use of the crop. If irrigation is available, the planting date can be more flexible. The following table shows recommended planting dates in Georgia:

Recommended Planting Dates

Crop	Coastal Plain		Piedmont		Limestone Valley	
	Grain	Grazing	Grain	Grazing	Grain	Grazing
Wheat	11/07*- 12/01	10/15	10/25 - 11/15	10/01	10/10 - 11/01	9/15
Oat	11/07 - 12/01	10/01	10/07 - 10/30	9/15	9/25 - 10/15	9/01
Barley	11/07 - 12/01	10/15	10/25 - 11/15	10/01	10/01 - 11/01	9/01
Triticale	11/15 - 12/15	-	- - -	-	- - -	-
Rye	11/07 - 12/01	10/15	10/07 - 11/15	10/01	10/01 - 10/20	9/01

*November 7 in the Upper Coastal Plain and November 15 in the Lower Coastal Plain.

Pest Control

Check with your county Extension agent for the latest information on weed, disease and insect control in small grains, or refer to the current edition of the *Georgia Pest Management Handbook*.

Varieties

Select high-yielding, insect- and disease-resistant varieties for best results. Give careful consideration to the statistics (LSD) reported in the tables in this publication. An explanation of their proper use is given in the preface to this report. The variety listed at the top of the list may be only one of the best.

For late planting, the early-maturing varieties usually perform the best. Varieties recommended for the 2017 planting season are presented in the following tables.

Recommended Grain Varieties for 2017

Barley	Atlantic (P)	Secretariat (S)	Thoroughbred (S)
Oat	Graham (S) ² Horizon 270 (S) ²	Horizon 306 (S) ² Horizon 720 (C) ²	SS 76-50 (S) ²
Wheat	AGS 2024 (S) *AGS 2026 (S) AGS 2027 (S) AGS 2033 (S) AGS 2035 (S) AGS 2038 (S) AGS 2055 (P) AGS 3000 (C)	Dyna-Gro 9171 (P) ³ Dyna-Gro 9522 (P) Dyna-Gro Savoy (S) Hilliard (P) ³ *Jamestown (S) ^{2,3} 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) *USG 3024 (P)
Triticale	Monarch (S) NF201 (S)	SS Triticale 1414 (P) 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 2018.

Recommended Forage Varieties for 2017

Oat	*Horizon 306 (S) Horizon 720 (S)^	Legend 567 (C)^ NF402 (S)	RAM LA99016 (S) SS 76-50 (S)
Wheat	AGS 2024 (S) AGS 2033 (C) AGS 2038 (S)	Dyna-Gro Savoy (S) GrazeAll (S) Pioneer 26R94 (C)	SRW9410 (SS8629) (S) *SS 8641 (S)
Rye	Bates RS4 (S) Elbon (C) FL 104 (AGS 104) (S)	Florida 401 (C) ² Maton (C) Maton II (S)	Oklon (S) Wrens Abruzzi (S)
Triticale	FL 01143 (C) ^{2,3} FL 08128 (C) ^{2,3}	Monarch (C,P) NF 201 (S)	SS 1414 (P,M) Trical 342 (S)
Ryegrass	Andes (C) ³ Attain (S) Big Boss (S) Credence (S) ³ Diamond T (C) Earlyploid (S) Flying A (C)	Fria (M) Grazer (P,M) Jackson (C) Jumbo (S) Lonestar (S) Marshall (S) Maximus (S)	Nelson (S) Passerel Plus (S) Prine (S) TAMTBO (S) Tetrastar (S) Winterhawk (P,M)

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

2. Suitable for early planting.

3. Seed may be limited in 2017-2018.

* To be dropped from list in 2018.

^ Resistant to crown rust.

To ensure good germination, the absence of noxious weeds, and varietal purity, **plant certified, treated seed**. General seeding rate recommendations based on bushels per acre are provided in Table 1. Seed size varies greatly from year to year and among varieties and seed lots. Therefore, more accurate plant populations may be achieved by using seeding rates based on seeds per area rather than on bushels per acre. For example, research on wheat has shown that seeding rates of 30-35 seeds per square foot are best for top yields. Accurate target populations are best achieved by adjusting grain drill settings based on the number of seed per foot of row. Grain drill calibrations can be accomplished quickly and accurately by counting seed collected from one or more rows during travel over a specified distance and calculating the drill output as seeds per foot of row. Table 2 is provided as a guide to establish target populations of the small grain crops for popular row spacings. The figures in Table 2 are broadly based on the average number of seeds per pound for the various crops but even more accurate calibrations can be accomplished if the actual number of seeds per pound is known for the seed lot being planted. At least one seed supplier in the Southeast now prints seed size information on the bag. If seed size is known, Table 3 may more accurately predict seed requirements.

Table 1. Recommended seeding rates for 2016.

Crop	Weight	Grain	Grazing
	lb/bu		----- bu/acre -----
Wheat	60	1.75-2.5	2.0-2.5
Oat	32	2.0	4.0
Barley	48	2.0-2.5	-----
Rye	56	1.0-1.5	2.0-2.5
Triticale	48	1.5-2.0	2.0-2.5

Table 2. Example of seeding rates of different small grains.

Crop	Seeding Rate			Row Width (inches)			
	seeds/sq.ft.	lb/A ¹	bu/A ¹	6	7	8	10
	----- seed per foot of row -----						
Barley	19	72	1.5	10	11	13	16
	25	96	2.0	13	15	17	21
	32	120	2.5	16	19	21	27
Oat	19	64	2.0	10	11	13	16
	24	80	2.5	12	14	16	20
	28	96	3.0	14	16	19	23
	38	128	4.0	19	22	25	32
Wheat	27	90	1.5	14	16	18	23
	37	120	2.0	18	22	25	31
	47	150	2.5	24	27	31	39
	55	180	3.0	28	32	37	46
Rye	31	56	1.0	16	18	21	26
	46	84	1.5	23	27	31	38
	62	112	2.0	31	36	41	52

1. Estimates based on average seeds per pound of 11,500 for barley, 12,875 for oat, 13,250 for wheat, and 24,000 for rye.

Data compiled by J. L. Day, UGA-Griffin, Griffin, Georgia.

Table 3. Seeding rates for wheat based on seed size¹.

Seed Size seeds/lb	Desired Population (seeds per square foot)						
	30	32	34	35	36	38	40
	Seeding Rate						
	----- lb/A -----						
10,000	145	155	165	169	174	184	194
11,000	132	141	150	154	158	167	176
12,000	121	129	137	141	145	153	161
13,000	112	119	127	130	134	141	149
14,000	104	111	118	121	124	131	138
15,000	97	103	110	113	116	123	129
16,000	91	97	103	106	109	115	121
17,000	85	91	97	100	102	108	114
18,000	81	86	91	94	97	102	108

1. Seeding rate assumes 90% germination.

CHARACTERISTICS OF VARIETIES, 2017

Wheat

Brand-Variety	Resistance						Head Scab	Hessian Fly	Test Wt	Maturity	Straw Strength	Vernal. Requir.	Awned
	Leaf Rust	Stripe Rust	Glume Blotch	Powdery Mildew	BYD ¹	SBWM ²							
AGS 2024	good	good	fair	good	fair	good	fair	fair	good	medium	good	medium	yes
AGS 2026	good	good	good	good	fair	good	poor	good*	good	medium	fair	short	no
AGS 2027	good	good	good	good	fair	good	fair	good*	good	medium	fair	medium	no
AGS 2033	good	good	good	good	fair	good	fair	good	good	medium	good	medium	yes
AGS 2035	good	good	fair	fair	fair	good	fair	good	good	medium	good	short	yes
AGS 2038	good	good	fair	good	fair	good	fair	fair	good	med. late	good	medium	Yes
AGS 2055	good	good	-	good	-	-	-	fair	good	med. late	good	-	-
AGS 3000	poor	good	-	good	-	-	-	fair	good	early	good	-	-
Dyna-Gro 9171	fair	good	good	fair	fair	good	good	poor	fair	late	good	long	yes
Dyna-Gro 9522	poor	good	-	good	-	-	-	poor	fair	med. late	good	-	yes
Dyna-Gro Savoy	good	good	good	good	fair	good	fair	good*	good	early	good	short	no
GrazeAll	-	-	-	-	-	-	-	-	-	-	-	-	-
Hilliard	good	good	-	good	-	-	-	poor	good	medium	good	-	yes
Jamestown	good	good	fair	good	fair	good	good	poor	good	medium	good	short	yes
LA754	good	good	fair	poor	fair	poor	fair	good	good	early	good	short	yes
PGX 16-1	fair	good	-	good	-	-	-	poor	good	medium	good	-	-
PGX 16-4	good	good	-	good	-	-	-	poor	good	medium	good	-	--
Pioneer 26R10	fair	good	good	fair	fair	good	fair	good	good	late	good	long	yes
Pioneer 26R41	fair	good	fair	good	good	fair	good	good*	good	late	good	long	yes
Pioneer 26R59	fair	good	-	good	-	-	-	poor	fair	medium	good	-	no
Pioneer 26R94	good	good	fair	good	fair	good	fair	good	good	medium	good	short	yes
SH 5550	good	good	good	good	fair	good	fair	fair	good	medium	good	medium	no
SRW 9410	fair	good	fair	fair	fair	good	good	good*	good	medium	fair	medium	yes
SS 8415	fair	good	-	good	fair	good	good	good*	good	late	good	long	no
USG 3024	good	good	good	good	fair	good	poor	fair	good	medium	good	medium	yes
Triticale													
FL 01143	-	-	-	-	-	-	-	poor	fair	very early	good	short	-
FL 08128	-	-	-	-	-	-	-	good	good	very early	good	short	-
NF 201	-	-	-	-	-	-	-	poor	fair	-	good	-	yes
Monarch	good	-	-	good	good	-	-	fair	fair	early	good	short	yes
SS Triticale 1414	good	-	-	good	good	-	-	good	fair	early	good	short	yes
Trical 342	good	-	-	good	good	-	-	poor	fair	early	good	short	yes

1. Barley yellow dwarf virus.
 2. Soilborne wheat mosaic virus.
- * Resistant to Bio-Type L.

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	-	-	medium	good	fair
Horizon 270	poor	fair	good	medium	good	good
Horizon 306	poor	fair	good	medium	good	good
Horizon 720	good	fair	good	early	good	good
Legend 567	good	-	-	-	-	-
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 declined again this year. The fall was exceptionally dry, and wheat planted at research locations had to be irrigated to get a stand. Plantings in the state received adequate rainfall from late November into early March, but spring rainfall was low. Georgia also saw some historically warm winter temperatures and many varieties had poor vernalization. A late winter freeze severely damaged many of the earlier varieties across all locations.

Barley Yellow Dwarf virus (BYDV) was observed at low levels across the state.

Fusarium Head Blight (FHB/Scab) (*Fusarium graminearum*) incidences were low across the state. After several years of FHB being observed at high levels, the dry spring prevented infections from starting. The late freeze damaged early headed varieties and prevented early infections. This should be considered a temporary reprieve, as high corn acreage is going to ensure that a ready supply of inoculum is available when climatic conditions are more favorable for the disease. 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.

Powdery mildew (*Blumeria graminis*) was observed in the state at low levels and may be a result of lower wheat acreage along with a very dry winter and spring which is not conducive to powdery mildew epidemics.

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 rust epidemics.

Stripe rust (*Puccinia striiformis*) was observed at Plains where plots were artificially inoculated. Stripe rust was observed in Tifton, Athens, and Midville at low levels.

Oat crown rust (*Puccinia coronate*) was observed at Plains in the oat variety trial.

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.

INSECTS

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The variety tests were sampled for Hessian fly, *Mayetiola destructor*, in late April, 2017 at Southwest Branch Research and Education Center near Plains, the Bledsoe Research farm near Griffin, and the Lang/Rigdon farm near Tifton, GA. Results are from a sample of 20 stems per entry at each location and are shown in the next table.

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

Dry conditions in the fall of 2016-2017 delayed planting of wheat in some areas. However, very mild conditions during the winter caused Hessian fly infestations to reach damaging levels by the time of the spring generation in susceptible varieties in some areas. Aphids caused direct injury to wheat and also transmitted barley yellow dwarf virus (BYDV). Aphid infestations also generally were variable and sometimes significant throughout the state. BYD infection also was variable but moderate to high in most of Georgia. Systemic insecticide seed treatments and properly timed foliar applications of insecticides can reduce aphid numbers and minimize BYD incidence. Cereal leaf beetle infestations also caused leaf defoliation in some fields, mostly in central and eastern Georgia. Consult your local county Extension agent and the commercial edition of the *2017 Georgia Pest Management Handbook* for a list of recommended insecticides and for management practices for these and other insect pests of small grains.

Hessian Fly Infestation in Wheat Entries in the Georgia Small Grain Performance Tests at Plains, Griffin, and Tifton, Georgia, 2016-2017

Variety	Rating ²	Plains		Griffin		Tifton ¹	
		% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem
<u>Triticale</u>							
FL 01143	S	15	0.20	0	0.00	X	X
FL 08128	R	5	0.25	0	0.00	X	X
NF201	S	25	1.25	5	0.50	X	X
NS202567	R	0	0.00	0	0.00	X	X
SS 1414 Triticale	R	0	0.00	0	0.00	X	X
Trical 342	S	10	0.20	0	0.00	X	X
<u>Wheat</u>							
AGS 2024	MR	5	0.15	35	0.75	5	0.25
AGS 2027	R	0	0.00	5	0.10	5	0.20
AGS 2033	MR	20	0.30	0	0.00	10	0.10
AGS 2035	MR	10	0.50	10	0.10	40	0.65
AGS 2038	MS	15	0.40	0	0.00	60	4.05
AGS 2040	S	65	1.85	15	0.20	X	X
AGS 2055	MS	45	1.35	5	0.10	X	X
AGS 3000	MS/MR	10	0.15	10	0.10	20	0.50
AGS 3201	S	30	0.65	65	2.05	75	5.35
Dyna-Gro 9171	S	55	1.70	15	0.35	X	X
Dyna-Gro 9522	S	55	0.70	45	1.70	X	X
Dyna-Gro 9701	R	5	0.05	5	0.10	X	X
Dyna-Gro 9750	S	35	0.50	35	0.75	75	7.50
Dyna-Gro Savoy	R	5	0.10	0	0.00	15	0.55
Dyna-Gro WX16722	R	5	0.05	0	0.00	X	X
GA 051207-14E53	MS	25	0.40	0	0.00	60	1.35
GA 05450-15EL52	S	40	0.65	5	0.25	85	1.85
GA 061471-15LE38	MS	10	0.10	5	0.05	45	1.20
GA 06474-15EL56	S	5	0.10	0	0.00	80	4.15
GA 071012-14E6	MR	5	0.10	30	0.70	0	0.00
GA 071107-16E2	MR	0	0.00	20	0.35	0	0.00
GA 071171-15EL64ES8	MS	10	0.10	20	0.35	45	2.35
GA 071518-16E39	R	0	0.00	0	0.00	0	0.00
GA 07192-14E9	MS	0	0.00	10	0.70	30	0.20
GA 07353-14E19	MR	15	0.15	5	0.05	20	0.70
GA 08070-16E21	MS	10	0.75	15	0.15	45	1.00
GA 081113-15EL8	R	0	0.00	0	0.00	0	0.00
GA 081298-16LE1	S	10	0.10	5	0.05	70	1.95
GA 081446-15EL47	MR	0	0.00	0	0.00	55	2.60
GA 08249-16E3	R	10	0.10	5	0.15	10	0.15

**Hessian Fly Infestation in Wheat Entries in the
Georgia Small Grain Performance Tests at
Plains, Griffin, and Tifton, Georgia, 2016-2017 (Continued)**

Variety	Rating ²	Plains		Griffin		Tifton ¹	
		% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem
GA 08261-15EL7	S	20	0.20	10	0.15	70	1.65
GA 08510-15EL9	MR	5	0.05	0	0.00	40	1.50
GA 08535-15LE29	R	5	0.25	0	0.00	20	0.30
GA 091291-16LE28	S	30	0.55	35	1.75	75	4.14
GA 09129-16E55	S	40	1.90	10	0.35	35	0.75
GA 09241-16E23	MR	15	0.20	5	0.10	15	2.50
GA 09241-16E24	MR	20	0.25	0	0.00	5	0.05
GA 09377-16LE18	R	5	0.05	5	0.05	10	0.15
GA 094364-16LE12	MR	0	0.00	25	0.30	10	0.15
GA 09656-16LE21	R	0	0.00	15	0.60	10	0.25
GA 09656-16LE28	MS	0	0.00	15	0.35	25	0.40
GA 12390-16E45	MR	5	0.05	0	0.00	30	0.25
GA Gore	S	60	3.00	5	0.50	0	0.00
GA06283-15LE25	S	25	0.55	5	0.05	60	3.95
GAJT 141-14E45	R	0	0.00	0	0.00	0	0.00
Hilliard	S	0	0.00	60	1.65	75	4.90
LA01110D-150-241	S	5	0.10	5	0.05	65	2.45
LA01110D-150-625	MR	0	0.00	20	0.45	20	0.35
LA03200E-2	R	0	0.00	5	0.05	0	0.00
LA09225C-33	R	10	0.10	20	0.35	10	0.40
LA09264C-P5	MR	15	0.25	25	0.30	25	0.30
NC09-20986	R	5	0.05	5	0.05	30	0.50
NC13-21213	S	5	0.10	10	0.10	60	2.65
P243	S	50	1.20	25	0.35	70	2.90
P357	S	100	2.40	50	1.00	85	8.10
PGX14-5	S	25	0.40	55	2.30	25	1.80
PGX16-1	S	5	0.05	50	0.70	30	1.45
PGX16-3	S	5	0.25	0	0.00	80	1.85
PGX16-4	S	5	0.05	30	0.55	75	2.70
#BOSS	S	45	0.95	65	2.80	90	6.55
#BULLET	S	5	0.05	0	0.00	40	1.10
#TURBO	S	5	0.05	5	0.05	60	4.25
#WARRIOR	R	0	0.00	0	0.00	15	0.20
Pioneer 26R10	R	0	0.00	10	0.20	0	0.00
Pioneer 26R41	R	0	0.00	0	0.00	10	0.05

**Hessian Fly Infestation in Wheat Entries in the
Georgia Small Grain Performance Tests at
Plains, Griffin, and Tifton, Georgia, 2016-2017 (Continued)**

Variety	Rating ²	Plains		Griffin		Tifton ¹	
		% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem	% Infested Stems	Immatures per stem
Pioneer 26R59	S	30	0.80	15	0.30	90	5.95
Pioneer 26R94	MR	15	0.25	10	0.25	30	1.05
Pioneer XW15C	R	0	0.00	0	0.00	25	0.25
SCLA 9049 D-E1-J1	S	5	0.15	30	0.35	95	6.20
SH 5550	S	0	0.00	0	0.00	5	0.15
SH 7200	MS	15	0.15	0	0.00	30	1.15
SRW 9410	R	0	0.00	0	0.00	35	2.15
SS 8415	R	5	0.15	0	0.00	25	0.55
Syngenta Cypress	S	35	0.80	25	0.75	65	2.60
Syngenta SX 1790	S	0	0.00	40	0.60	X	X
Syngenta Viper	S	90	2.95	35	0.80	X	X
TAMU TX-EL2	S	40	1.05	10	0.30	70	4.10
USG 3228	S	55	1.20	60	1.55	45	1.50
USG 3448	MS	25	0.80	5	0.05	25	0.75
USG 3458	R	5	0.10	0	0.00	10	0.10
USG 3536	R	0	0.00	5	0.05	10	0.15
USG 3689	S	10	0.10	5	0.05	60	5.15
VA11W-108PA	S	20	0.30	60	1.25	80	5.10
VA11W-279	MS	10	0.10	15	0.15	20	0.55
VA12W-68	R	0	0.00	0	0.00	0	0.00
VA12W-72	MR	20	0.25	0	0.00	10	0.80
W010025R1	MS	15	0.15	10	0.10	60	1.40
W010025T1	MR	15	0.20	10	0.60	20	0.20
W010025Y1	S	0	0.00	30	0.45	20	0.80

2017 Results at Plains, Griffin, and Tifton were from one sample of 20 stems.

1. X = not included in Tifton trial.

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

Grain Tests Results

Wheat

Tifton, Georgia: Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average	3-Year Average				
	----- bu/acre	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day
LA01110D-150-241	109.8	.	.	56.5	35	4	03/30
GAJT 141-14E45	106.4	101.1	80.6	55.9	33	6	03/24
GA 081298-16LE1	106.3	.	.	57.9	36	5	03/23
GA 06474-15EL56	106.1	102.2	.	56.4	35	9	03/25
GA 09129-16E55	106.0	.	.	58.7	35	10	03/23
GA 081113-15EL8	103.8	100.0	.	56.5	34	5	04/01
AGS 2033	102.9	101.0	83.9	58.0	33	4	03/29
GA 09436-16LE12	99.9	.	.	60.6	35	2	03/23
SH 5550	99.5	98.3	81.2	57.2	34	2	03/23
LA01110D-150-625	99.1	.	.	58.1	35	6	03/26
GA 06283-15LE25	97.1	95.2	.	57.2	32	15	03/27
VA12W-72	96.5	98.6	.	55.5	32	4	03/30
LA03200E-2	95.6	.	.	58.2	33	3	03/24
GA 091291-16LE28	95.5	.	.	57.4	38	3	03/23
GA 08261-15EL7	94.8	90.9	.	59.8	36	10	03/27
AGS 2027	94.6	.	.	55.7	32	9	04/01
PGX16-1	94.2	96.2	80.9	57.5	33	5	04/03
SH 7200	93.5	.	.	57.8	34	11	03/29
LA09225C-33	92.0	.	.	57.9	36	6	03/22
AGS 2024	91.6	98.9	81.1	58.1	35	4	03/23
VA11W-279	91.6	.	.	54.8	32	6	04/01
PGX16-4	91.1	93.1	75.0	57.5	34	13	04/05
GA08535-15LE29	90.1	100.9	.	58.5	36	4	03/24
GA 051207-14E53	89.8	89.4	73.2	55.1	34	5	03/29
#TURBO	88.3	89.2	.	54.7	35	2	04/04
GA 07192-14E9	87.0	92.3	75.8	56.3	36	3	03/15
GA 061471-15LE38	86.1	88.5	.	56.0	37	13	03/24
GA 071171-15EL64ES8	85.9	91.1	.	59.6	38	9	03/23
VA12W-68	85.8	.	.	55.4	31	4	03/28
AGS 2038	85.5	88.0	66.6	57.8	39	6	03/24
GA 081446-15EL47	83.8	92.4	.	58.7	38	6	03/15
Pioneer 26R94	82.4	89.6	71.9	58.9	38	6	03/18
VA11W-108PA	81.6	.	.	55.2	33	9	04/04
GA 09377-16LE18	80.8	.	.	58.4	38	4	03/18
TX-EL2	80.8	.	.	56.9	35	13	03/20
LA09264C-P5	80.5	.	.	58.0	31	10	03/24
GA 071518-16E39	79.9	.	.	58.8	36	3	03/18
SCLA 99049D-E1-J1	77.4	.	.	57.7	35	10	03/24
W010025T1	77.2	.	.	58.3	39	13	03/23
Dyna-Gro Savoy	76.7	90.8	76.9	58.1	35	6	03/13

Tifton, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average	3-Year Average				
	-----	bu/acre	-----	lb/bu	in	%	mo/day
Pioneer 26R41	76.1	73.1	59.3	54.3	32	4	04/10
Hilliard	76.0	86.9	70.9	55.2	33	14	04/07
#BULLET	74.3	.	.	53.4	35	10	04/12
NC13-21213	74.1	.	.	56.1	35	10	04/09
AGS 2035	73.7	.	.	58.3	38	9	03/22
GA 05450-15EL52	73.4	80.5	.	55.1	31	19	03/28
W010025R1	72.9	.	.	57.2	38	11	03/21
GA 09656-16LE19	72.8	.	.	58.1	37	4	03/14
UGA 12390-16E45	72.6	.	.	59.2	38	8	03/13
GA 09656-16LE21	72.1	.	.	58.8	37	3	03/13
GA 08070-16E21	71.6	.	.	57.3	38	4	03/13
GA 08249-16E3	70.4	.	.	58.6	37	3	03/16
USG 3536	69.9	75.8	.	53.2	34	15	04/13
GA 09241-16E23	69.9	.	.	59.0	39	4	03/13
GA 09241-16E24	68.0	.	.	58.9	39	4	03/10
W010025Y1	66.7	.	.	58.0	37	11	03/17
GA 08510-15EL9	66.2	81.7	.	57.5	37	3	03/14
SRW 9410	65.4	73.7	64.4	53.8	31	25	04/07
GA 071012-14E6	64.2	78.9	66.4	57.1	35	3	03/16
GA 07353-14E19	64.1	85.0	70.7	57.6	36	4	03/22
NC09-20986	62.0	70.6	57.2	55.4	38	13	04/07
GA 071107-16E2	61.0	.	.	57.8	37	2	03/14
SY Cypress	59.8	74.7	63.6	56.7	35	10	03/16
USG 3689	58.8	.	.	54.8	35	36	04/06
PGX 14-5	58.6	.	.	55.7	36	14	04/07
GA-Gore	52.4	.	.	52.3	34	44	03/18
SS 8415	50.2	62.6	53.0	49.8	36	54	04/08
#WARRIOR	45.7	55.5	.	49.6	29	20	04/07
USG 3448	43.9	.	.	51.4	30	18	04/12
USG 3458	43.5	.	.	50.2	31	18	04/10
Pioneer XW15C	43.1	.	.	51.1	32	58	04/09
Pioneer 26R59	37.7	52.3	41.9	47.4	28	28	04/12
Pioneer 26R10	34.6	45.9	36.0	47.9	32	13	04/14
Dyna-Gro 9750	32.8	.	.	48.5	29	84	04/07
AGS 3000	31.5	64.8	.	57.5	38	6	03/12
PGX 16-3	30.5	.	.	47.9	35	70	04/13
USG 3228	30.1	.	.	48.7	30	78	04/03
P 243	28.7	40.6	.	50.6	31	78	04/08
AGS 3201X	19.8	.	.	44.2	34	89	04/12
#BOSS	13.3	.	.	56.0	28	88	04/14
P 357	8.8	17.0	19.0	56.0	28	97	04/09
Average	73.2 ²	81.8	65.9	55.8	35	17	03/27
LSD at 10% level	8	6	5	1	2	7	.
Std. Err. of Entry Mean	3.3	2.4	2.3	0.5	0.7	3.2	.

Tifton, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)

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

2. C.V. = 9.0%, and df for EMS = 243.

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

Planted: November 11, 2016.

Harvested: May 26, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 40 lb N, 100 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Tifton, Georgia: Late-Planted Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	Average					Average
	-----	bu/acre	-----	lb/bu	in	%	mo/day
SH 5550	80.6	.	.	52.9	34	8	04/08
GAJT 141-14E45	76.2	84.3	.	53.4	31	18	04/07
LA01110D-150-241	73.1	.	.	54.8	34	33	04/13
AGS 3000	71.6	.	.	55.9	29	11	04/01
Pioneer 26R94	64.9	74.7	54.5	55.9	33	10	04/03
SY Cypress	60.0	74.4	54.9	53.9	28	9	04/01
VA11W-279	53.9	.	.	48.4	30	4	04/15
LA03200E-2	53.9	.	.	51.0	30	15	.
LA09264C-P5	52.2	.	.	50.5	30	15	.
SH 7200	50.9	.	.	51.2	32	5	04/13
LA09225C-33	50.5	.	.	50.8	30	15	.
LA01110D-150-625	48.5	.	.	49.9	30	15	.
USG 3689	25.4	.	.	43.8	33	9	.
USG 3228	5.4	.	.	51.7	25	.	.
Dyna-Gro 9750	4.7	.	.	51.7	24	.	.
Average	51.4 ²	77.8	54.7	51.7	30	13	04/07
LSD at 10% level	7	NS ³	NS	1	.	.	.
Std. Err. of Entry Mean	3.1	1.8	1.3	0.5	.	.	.

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

2. C.V. = 12.2%, and df for EMS = 42.

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: December 10, 2016.

Harvested: June 2, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 40 lb N, 100 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	Average					
	-----	bu/acre	-----	lb/bu	in	%	mo/day
AGS 2024	101.3	93.9	83.4	55.0	30	6	03/26
VA12W-72	95.0	89.0	.	53.8	33	13	04/01
PGX16-1	93.2	81.0	72.2	55.8	34	8	04/05
AGS 2033	92.9	86.1	79.2	56.7	32	6	04/01
GAJT 141-14E45	90.2	86.5	76.9	52.7	31	19	03/25
GA 06474-15EL56	90.1	89.6	.	54.6	33	25	03/25
GA 09436-16LE12	90.1	.	.	57.7	33	5	03/26
GA 051207-14E53	90.0	86.3	76.9	54.4	35	8	04/02
GA08535-15LE29	90.0	89.4	.	55.8	32	5	03/26
GA 08261-15EL7	88.9	82.3	.	57.4	33	14	03/30
SH 5550	88.8	80.7	72.9	54.1	33	5	03/24
GA 09129-16E55	87.6	.	.	55.7	32	10	03/25
GA 081298-16LE1	87.6	.	.	55.1	34	9	03/27
VA12W-68	87.3	.	.	54.5	32	9	03/31
TX-EL2	86.8	.	.	54.5	32	24	03/25
Pioneer 26R94	86.1	84.2	75.5	55.5	34	9	03/26
GA 061471-15LE38	84.5	86.4	.	55.5	33	28	03/24
GA 05450-15EL52	84.1	82.5	.	55.2	32	9	03/30
GA 081113-15EL8	84.0	86.3	.	54.6	32	14	04/03
PGX16-4	83.3	79.9	72.6	56.2	36	18	04/03
LA03200E-2	82.3	.	.	54.7	31	8	03/24
AGS 2038	82.2	80.3	69.9	56.3	35	9	03/23
AGS 2027	81.9	.	.	54.4	32	33	04/02
GA 091291-16LE28	81.9	.	.	54.8	33	4	03/25
LA01110D-150-241	80.8	.	.	54.6	35	23	03/31
GA 07192-14E9	80.5	82.2	73.6	54.4	33	5	03/23
GA 06283-15LE25	79.8	75.9	.	52.8	30	28	03/26
VA11W-108PA	79.6	.	.	53.8	35	31	04/02
GA 081446-15EL47	79.3	86.3	.	54.3	33	6	03/23
VA11W-279	78.2	.	.	53.8	32	36	04/03
GA 09377-16LE18	78.0	.	.	54.5	35	10	03/22
Hilliard	77.3	77.0	71.1	54.0	34	44	04/04
GA 09656-16LE19	76.6	.	.	53.8	32	10	03/24
LA09264C-P5	76.5	.	.	55.5	30	18	03/26
GA 071518-16E39	75.8	.	.	55.0	31	11	03/24
#BULLET	75.6	.	.	52.3	36	55	04/18
#TURBO	75.3	76.1	.	52.4	35	13	04/03
USG 3536	75.2	74.5	.	52.5	35	30	04/17
AGS 2035	74.1	.	.	54.3	35	10	03/23
SCLA 99049D-E1-J1	73.5	.	.	55.0	34	8	03/25
LA09225C-33	73.2	.	.	52.8	32	29	03/25
NC13-21213	72.8	.	.	54.3	35	65	04/13
LA01110D-150-625	72.5	.	.	53.5	33	15	03/25
SS 8415	72.3	65.7	61.5	53.1	34	69	04/04
GA 071171-15EL64ES8	71.8	79.1	.	57.0	33	25	03/23

**Plains, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day	
Pioneer 26R41	71.7	70.3	68.1	52.5	32	30	04/15
PGX 14-5	70.4	.	.	56.3	36	44	04/07
Pioneer XW15C	70.4	.	.	49.8	33	71	04/16
NC09-20986	68.3	65.9	60.3	54.2	40	53	04/12
Dyna-Gro Savoy	67.9	84.5	78.7	53.5	33	10	03/24
GA 08249-16E3	67.9	.	.	55.5	34	10	03/22
SRW 9410	66.5	70.1	65.9	54.0	32	58	04/05
GA 09656-16LE21	66.3	.	.	53.8	34	5	03/23
SH 7200	66.3	.	.	55.5	33	55	04/06
GA 07353-14E19	65.2	77.0	72.1	54.3	33	6	03/24
GA 08510-15EL9	61.2	73.7	.	53.1	33	4	03/23
USG 3448	61.1	.	.	53.1	32	48	04/15
USG 3458	60.3	.	.	49.8	30	29	04/16
SY Cypress	59.3	61.9	57.5	54.0	31	24	03/25
USG 3689	58.8	.	.	54.2	32	85	04/08
Dyna-Gro 9750	58.4	.	.	48.9	33	66	04/09
W010025Y1	57.1	.	.	53.8	34	33	03/26
GA 071107-16E2	56.7	.	.	55.4	34	5	03/23
#WARRIOR	56.2	59.1	.	49.8	31	54	04/16
W010025T1	55.0	.	.	53.0	33	46	03/25
USG 3228	50.9	.	.	49.4	32	69	04/07
Pioneer 26R59	49.8	55.8	57.1	49.6	29	36	04/14
GA 071012-14E6	49.5	68.7	67.4	53.7	33	6	03/24
W010025R1	47.6	.	.	50.6	33	38	03/25
PGX 16-3	47.1	.	.	48.0	34	75	04/18
Pioneer 26R10	46.4	50.3	49.0	50.3	32	44	04/15
GA 08070-16E21	46.2	.	.	54.5	36	9	03/22
GA 09241-16E24	45.3	.	.	56.1	35	4	03/19
AGS 3201X	40.8	.	.	51.3	38	86	04/11
GA-Gore	40.4	.	.	48.5	32	68	03/25
GA 09241-16E23	38.9	.	.	55.3	35	4	03/19
P 243	33.1	43.4	.	51.2	33	79	04/14
#BOSS	32.0	.	.	34.7	29	78	04/16
UGA 12390-16E45	31.4	.	.	52.8	36	3	03/18
AGS 3000	24.3	55.8	.	53.7	34	27	03/18
P 357	19.5	22.8	25.9	53.7	31	90	04/18
Average	69.3 ²	74.8	67.6	53.5	33	28	03/31
LSD at 10% level	8.0	6.0	4.0	3.0	1	15	.
Std. Err. of Entry Mean	3.2	2.3	1.8	1.4	0.6	6.4	.

**Plains, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

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

2. C.V. = 9.4%, and df for EMS = 243.

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

Planted: November 21, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average	3-Year Average				
	----- bu/acre	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day
GA 051207-14E53	96.0	96.2	.	57.0	33	19	04/03
AGS 2024	93.0	92.4	84.3	57.4	29	5	03/28
AGS 2033	92.6	88.3	82.0	58.8	32	6	04/02
PGX16-1	91.4	83.7	74.9	58.7	33	13	04/05
VA12W-68	88.7	.	.	57.1	33	10	04/03
SH 5550	86.4	81.9	75.8	57.4	30	9	03/26
GAJT 141-14E45	84.1	83.5	.	56.1	29	13	03/24
VA12W-72	82.3	.	.	56.1	32	6	04/02
#BULLET	82.2	.	.	56.0	36	30	04/15
Pioneer 26R41	82.1	79.1	76.7	56.4	32	26	04/15
VA11W-108PA	81.5	.	.	56.7	33	19	04/09
GA 07192-14E9	81.5	83.8	.	56.8	31	6	03/25
AGS 2027	81.5	.	.	57.7	30	38	04/05
TX-EL2	81.1	.	.	57.3	29	13	03/25
Hilliard	80.0	81.3	.	56.5	33	24	04/08
VA11W-279	79.2	.	.	56.4	31	21	04/06
Pioneer 26R94	78.4	79.6	75.3	58.5	32	6	03/26
LA01110D-150-241	78.1	.	.	59.0	33	18	04/02
SS 8415	77.8	79.6	73.0	57.4	34	48	04/08
AGS 2038	77.3	81.3	71.9	59.7	33	18	03/30
PGX16-4	75.1	74.6	68.9	58.6	33	20	04/05
PGX 15-12	74.4	78.9	.	54.2	34	8	04/07
PGX 14-5	74.4	.	.	58.2	36	20	04/08
LA09225C-33	73.0	.	.	57.4	31	23	03/25
USG 3536	72.7	70.7	.	55.9	35	24	04/17
NC13-21213	72.4	.	.	55.8	32	35	.
USG 3458	71.4	.	.	55.0	30	25	04/16
GA 07353-14E19	71.1	82.8	.	57.4	31	5	03/25
NC09-20986	69.7	.	.	58.0	40	40	04/08
#WARRIOR	69.7	75.1	.	55.5	29	30	04/16
Pioneer 26R10	69.6	72.1	68.9	55.0	32	40	04/15
LA03200E-2	69.4	.	.	57.2	30	9	03/26
USG 3448	69.3	.	.	56.4	31	29	04/16
AGS 2035	69.2	.	.	58.5	33	10	03/26
Pioneer XW15C	68.0	.	.	53.8	33	55	04/15
USG 3689	67.8	.	.	58.1	34	56	04/10
LA01110D-150-625	66.6	.	.	57.3	32	25	03/27
SRW 9410	64.7	74.5	73.3	56.8	31	59	04/07
SH 7200	63.3	.	.	58.6	33	45	04/04
PGX 16-3	62.9	.	.	54.4	34	56	04/17
LA09264C-P5	61.5	.	.	58.5	29	16	03/27
Pioneer 26R59	60.1	69.9	69.2	53.0	29	26	04/16
Dyna-Gro Savoy	58.3	.	.	56.5	31	11	03/24
SY Cypress	57.0	67.2	65.2	58.5	29	15	03/24
USG 3228	50.9	.	.	52.8	31	55	04/09

**Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2016-2017
(Continued)**

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day	
AGS 3201X	46.4	.	.	52.7	36	50	04/13
Dyna-Gro 9750	44.8	.	.	48.6	32	53	04/12
P 243	43.6	57.2	.	50.7	32	50	04/15
GA 071012-14E6	40.0	63.1	.	50.3	29	5	03/25
#BOSS	36.5	.	.	45.7	29	48	04/19
GA-Gore	36.3	.	.	45.1	29	55	03/25
AGS 3000	30.6	59.0	.	34.7	31	9	03/19
P 357	30.0	38.2	39.8	36.8	29	70	04/19
Average	69.2 ²	75.8	71.4	55.2	32	27	04/04
LSD at 10% level	8.0	7.0	5.0	4.0	1	13	.
Std. Err. of Entry Mean	3.4	2.9	1.9	1.9	0.6	5.6	.

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

2. C.V. = 9.9%, and df for EMS = 159.

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

Planted: November 21, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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

Topdress: 85 lb N/acre.

Management: Disked, chisel plowed, field conditioned, and rototilled; 1,000 lb/acre lime; Prosaro used for fungal control..

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

Plains, Georgia: Late-Planted Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average	3-Year Average				
	-----	bu/acre	-----	lb/bu	in	%	mo/day
Pioneer 26R94	90.7	85.2	69.6	57.1	35	10	04/05
SH 5550	86.4	.	.	55.8	33	8	04/06
AGS 3000	79.5	82.2	.	56.2	32	10	04/03
GAJT 141-14E45	79.3	82.4	.	55.6	32	43	04/09
LA01110D-150-241	73.4	.	.	54.5	38	48	04/14
VA11W-279	70.3	.	.	52.3	29	8	04/16
SY Cypress	64.8	63.0	56.0	55.8	29	15	04/04
SH 7200	61.2	.	.	55.4	31	11	04/15
USG 3689	37.5	.	.	51.4	30	30	.
USG 3228	33.0	.	.	46.6	30	53	.
Dyna-Gro 9750	30.7	.	.	45.7	29	70	.
Average	64.2 ²	78.2	62.8	53.3	32	28	04/09
LSD at 10% level	4.0	5.0	NS ³	1.0	1	13	.
Std. Err. of Entry Mean	1.7	1.8	1.3	0.4	0.6	5.7	.

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

2. C.V. = 5.2%, and df for EMS = 45.

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: December 16, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

**Plains, Georgia:
Late-Planted Wheat Grain Performance
with Foliar Fungicide, 2016-2017**

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day	
SH 7200	72.6	.	.	56.6	31	21	.
USG 3228	71.5	.	.	54.7	32	18	.
SY Cypress	67.3	69.0	62.7	55.3	32	19	.
VA11W-279	66.9	.	.	53.0	32	44	.
USG 3689	65.6	.	.	55.1	31	28	.
	62.0	.	.	52.9	31	36	.
SH 5550	58.5	.	.	54.3	32	11	.
Dyna-Gro9750	56.8	.	.	52.1	31	53	.
Pioneer 26R94	53.7	68.6	58.5	51.9	31	29	.
GAJT 141-14E45	43.1	65.6	.	49.9	29	60	.
AGS 3000	36.4	65.3	.	50.7	28	64	.
Average	59.5 ²	67.1	60.6	53.3	31	35	.
LSD at 10% level	17	NS ³	NS	4	2	29	.
Std. Err. of Entry Mean	7.4	5.8	3.6	1.5	1.0	12.5	.

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 24.7%, and df for EMS = 46.
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: December 16, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime; Prosaro used for fungal control.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

Midville, Georgia: Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹			Test Weight lb/bu	Height in	Lodging %
	Yield ¹ ----- bu/acre	2-Year Average	3-Year Average			
GA 09656-16LE19	69.6	.	.	52.5	28	8
GA 081298-16LE1	68.5	.	.	52.7	30	10
W010025R1	67.8	.	.	54.7	30	14
GA 07353-14E19	66.6	72.3	67.2	52.4	30	6
AGS 2024	64.4	70.8	64.2	54.7	26	10
GA 08261-15EL7	62.9	71.4	.	55.3	30	15
SH 5550	62.6	78.7	71.3	53.2	27	9
AGS 2033	62.4	76.0	70.3	54.7	28	5
W010025T1	62.4	.	.	54.3	30	10
GA 09436-16LE12	61.9	.	.	57.3	30	6
GA 08510-15EL9	61.1	69.1	.	53.8	30	8
SCLA 99049D-E1-J1	60.9	.	.	54.5	30	11
W010025Y1	58.8	.	.	53.6	28	14
GA 09377-16LE18	58.7	.	.	52.2	29	11
AGS 2027	58.7	.	.	52.8	29	15
SH 7200	58.3	.	.	54.2	30	13
GA 091291-16LE28	57.9	.	.	53.1	30	10
GA 071518-16E39	57.4	.	.	52.7	28	9
GA08535-15LE29	57.3	77.9	.	53.9	27	5
GA 071171-15EL64ES8	56.7	70.1	.	56.6	28	20
VA12W-68	55.4	.	.	51.6	27	11
GAJT 141-14E45	54.8	63.5	60.5	50.9	27	16
VA12W-72	54.8	75.2	.	50.7	29	10
GA 06283-15LE25	54.4	71.0	.	53.9	25	18
PGX16-1	53.2	63.6	63.7	54.1	30	14
LA03200E-2	52.8	.	.	49.5	26	18
VA11W-279	52.5	.	.	50.9	25	11
SY Cypress	52.0	61.5	60.4	53.5	23	9
GA 051207-14E53	52.0	75.0	70.1	51.2	29	11
AGS 2035	50.9	.	.	54.2	26	9
GA 081113-15EL8	50.8	60.3	.	52.5	26	11
GA 09656-16LE21	50.7	.	.	52.7	24	10
LA01110D-150-241	49.9	.	.	50.3	25	13
Hilliard	49.8	62.4	58.6	51.2	29	16
GA 07192-14E9	49.7	70.2	64.7	52.1	26	11
GA 09129-16E55	49.2	.	.	52.5	27	15
SS 8415	49.2	56.1	53.6	49.6	29	10
TX-EL2	48.8	.	.	50.2	25	31
GA 06474-15EL56	48.6	70.5	.	50.7	25	9
GA 071012-14E6	47.0	66.0	61.3	52.8	27	13
GA-Gore	46.9	.	.	50.9	27	25
PGX16-4	46.9	61.8	61.2	54.1	28	13
Pioneer 26R94	46.0	59.9	58.2	53.8	27	11
GA 061471-15LE38	45.0	66.9	.	54.8	27	28
GA 08249-16E3	44.1	.	.	51.7	26	6

**Midville, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	
	Yield ¹	2-Year Average				3-Year Average
	-----	bu/acre	-----	lb/bu	in	%
Dyna-Gro Savoy	43.7	78.7	73.5	53.0	24	26
GA 05450-15EL52	43.5	61.8	.	53.0	24	9
GA 081446-15EL47	42.8	68.9	.	54.3	24	8
VA11W-108PA	42.1	.	.	50.2	27	18
Pioneer 26R41	40.3	55.4	56.5	51.6	26	5
LA09225C-33	39.8	.	.	52.7	26	14
#TURBBO	39.5	51.0	.	48.5	27	6
NC13-21213	39.2	.	.	50.5	26	18
GA 09241-16E24	38.4	.	.	55.4	29	13
AGS 2038	38.3	71.0	63.1	53.4	28	16
USG 3689	38.0	.	.	54.1	29	16
LA01110D-150-625	38.0	.	.	52.5	26	21
GA 071107-16E2	37.6	.	.	55.1	25	13
GA 08070-16E21	37.4	.	.	53.8	28	18
PGX 14-5	36.7	.	.	54.2	28	11
GA 09241-16E23	36.3	.	.	56.0	30	23
#BULLET	35.6	.	.	53.3	28	11
LA09264C-P5	35.5	.	.	53.7	23	10
NC09-20986	34.8	54.3	53.3	51.5	32	14
SRW 9410	34.5	53.1	53.0	51.5	26	24
USG 3536	33.3	59.2	.	50.2	28	15
AGS 2027	32.5	.	.	.	24	5
Pioneer XW15C	31.8	.	.	50.8	27	21
UGA 12390-16E45	31.1	.	.	54.4	26	7
Pioneer 26R10	28.7	48.9	51.6	49.6	26	18
USG 3458	27.3	.	.	47.6	23	5
USG 3448	19.2	.	.	53.0	25	15
AGS 3000	19.1	48.8	.	53.0	23	6
Pioneer 26R59	18.8	44.0	48.4	47.4	22	14
PGX 16-3	18.7	.	.	53.0	28	21
#WARRIOR	17.8	53.0	.	53.0	22	11
USG 3228	15.6	.	.	53.0	25	81
P 243	15.3	43.1	.	53.0	24	60
AGS 3201X	15.2	.	.	53.0	29	90
Dyna-Gro 9750	14.8	.	.	53.0	25	78
#BOSS	6.6	.	.	53.0	22	92
P 357	3.5	26.1	35.9	53.0	23	97
Average	44.0 ²	62.8	60.0	52.7	27	18
LSD at 10% level	15.0	12.0	9.0	1.0	4	11
Std. Err. of Entry Mean	6.1	5.2	3.8	0.5	1.6	4.6

**Midville, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

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

2. C.V. = 27.7%, and df for EMS = 242.

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

Planted: December 1, 2016.

Harvested: June 2, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 80 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Soybeans.

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

Midville, Georgia: Late-Planted Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		3-Year Average	Test Weight	Height	Lodging
	Yield ¹	2-Year Average				
	----- bu/acre -----			lb/bu	in	%
Pioneer 26R94	50.0	65.2	64.8	54.2	31	4
AGS 3000	48.7	64.8	.	54.7	29	9
SH 5550	46.9	.	.	53.1	28	6
GAJT 141-14E45	45.1	62.4	.	49.6	26	11
SY Cypress	37.7	60.1	62.2	53.1	25	15
LA03200E-2	36.2	.	.	50.7	.	0
LA01110D-150-241	36.0	.	.	50.3	.	0
LA09264C-P5	35.4	.	.	51.7	.	0
LA09225C-33	34.6	.	.	49.4	.	0
LA01110D-150-625	33.7	.	.	37.6	24	1
SH 7200	30.6	.	.	52.5	27	4
VA11W-279	25.9	.	.	49.1	23	3
USG 3689	11.9	.	.	51.7	24	4
USG 3228	1.7	.	.	51.7	19	0
Dyna-Gro 9750	1.1	.	.	51.7	16	1
Average	31.7 ²	63.1	63.5	50.7	24	5
LSD at 10% level	4.0	NS ³	NS	NS	1	3
Std. Err. of Entry Mean	1.7	1.3	1.3	3.3	0.5	1.3

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

2. C.V. = 10.6%, and df for EMS = 42.

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: December 28, 2016.

Harvested: June 2, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 80 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 70 lb N/acre.

Management: Disked, chisel plowed, and rototilled; Harmony Extr and Express used for weed control.

Previous Crop: Soybeans.

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

Athens, Georgia: Wheat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	Average					Average
	-----	bu/acre	-----	lb/bu	in	%	mo/day
Pioneer XW15C	98.9	.	.	50.3	37	50	04/11
#WARRIOR	98.2	.	.	47.6	35	61	04/08
USG 3448	97.8	.	.	50.0	37	51	04/12
USG 3536	97.3	.	.	49.1	39	46	04/13
#BULLET	96.8	.	.	49.3	37	46	04/13
AGS 2055	94.3	.	.	48.0	35	3	03/31
VA11W-108PA	92.8	.	.	47.7	36	34	04/03
Pioneer 26R41	90.8	.	.	49.0	34	14	04/11
Dyna-Gro 9701	89.8	.	.	46.4	40	51	04/11
SH 7200	89.7	.	.	50.8	34	15	03/28
USG 3228	89.6	.	.	48.4	36	49	04/01
#BOSS	89.6	.	.	48.2	34	18	04/09
SY Viper	89.1	.	.	48.7	36	60	03/30
#TURBO	88.4	.	.	51.8	34	0	03/30
Dyna-Gro 9750	88.2	.	.	48.2	35	26	04/01
LA01110D-150-241	88.0	.	.	49.2	35	4	03/26
Pioneer 26R59	87.6	.	.	47.5	33	16	04/08
Dyna-Gro 9171	85.8	.	.	46.6	36	21	04/08
VA12W-72	84.3	.	.	48.3	32	0	03/29
PGX16-4	84.0	.	.	50.3	34	5	03/27
PGX 16-3	82.9	.	.	46.1	39	65	04/14
VA12W-68	81.8	.	.	49.1	33	13	03/30
USG 3458	81.0	.	.	46.0	35	35	04/08
Dyna-Gro 9522	80.8	.	.	47.0	37	50	04/13
SRW 9410	80.5	.	.	46.3	36	55	04/06
P 243	79.1	.	.	47.7	36	64	04/07
WX16722	78.7	.	.	43.2	35	48	04/10
GA 091291-16LE28	78.4	.	.	50.1	35	3	03/28
PGX16-1	78.0	.	.	47.6	34	4	03/27
Hilliard	77.9	.	.	44.2	37	50	04/05
VA11W-279	77.4	.	.	47.0	31	6	03/28
GA 06283-15LE25	76.3	.	.	47.4	35	71	03/26
SX1790	75.0	.	.	44.6	37	80	04/02
Pioneer 26R10	74.7	.	.	45.4	35	14	04/14
SCLA 99049D-E1-J1	73.0	.	.	52.8	37	0	03/25
USG 3689	72.7	.	.	48.3	38	73	04/02
NC13-21213	72.6	.	.	44.4	36	83	04/01
GA 081113-15EL8	72.4	.	.	48.4	34	11	03/25
SS 8415	70.7	.	.	44.0	36	13	03/31
GA 061471-15LE38	70.4	.	.	49.7	38	65	03/29
PGX 14-5	70.3	.	.	49.5	40	69	04/04
GA-Gore	69.9	.	.	43.3	35	18	03/31
GA 051207-14E53	68.2	.	.	45.7	35	11	03/27
GA 09436-16LE12	67.7	.	.	51.4	36	8	03/28
NC09-20986	67.5	.	.	45.9	35	46	03/31

**Athens, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day
AGS 2024	67.3	.	52.3	34	0	03/29
GAJT 141-14E45	66.7	.	45.7	32	13	03/24
TX-EL2	66.3	.	49.5	33	0	03/26
GA 05450-15EL52	62.9	.	48.2	33	3	03/28
LA09225C-33	62.2	.	48.3	37	0	03/27
GA 081298-16LE1	61.7	.	48.0	36	3	03/29
SH 5550	61.5	.	48.6	34	0	03/25
GA08535-15LE29	58.5	.	46.8	32	6	03/26
P 357	55.0	.	35.7	36	74	04/14
GA 07192-14E9	55.0	.	47.2	35	0	03/26
GA 071518-16E39	52.5	.	44.5	31	0	03/27
GA 08510-15EL9	52.4	.	43.5	32	8	03/22
GA 09129-16E55	51.4	.	45.7	35	0	03/22
GA 06474-15EL56	51.3	.	39.8	34	3	03/21
GA 071171-15EL64ES8	49.3	.	42.4	36	0	03/19
GA 071107-16E2	48.9	.	42.6	34	0	03/28
Dyna-Gro Savoy	45.3	.	33.8	31	0	03/23
GA 08261-15EL7	43.8	.	38.3	34	0	03/24
GA 09656-16LE19	43.7	.	37.0	32	0	03/24
LA01110D-150-625	43.5	.	39.6	33	0	03/25
Pioneer 26R94	43.3	.	40.0	35	0	03/26
GA 09377-16LE18	43.2	.	38.2	33	0	03/29
GA 07353-14E19	43.1	.	35.7	34	0	03/26
W010025R1	41.6	.	36.5	34	0	03/25
GA 08070-16E21	39.9	.	35.3	31	0	03/17
GA 09656-16LE21	38.8	.	31.3	33	0	03/22
GA 08249-16E3	38.3	.	32.3	32	0	03/18
W010025Y1	36.9	.	31.1	32	0	03/22
GA 081446-15EL47	35.8	.	30.6	34	0	03/21
GA 071012-14E6	34.8	.	28.7	31	0	03/26
UGA 12390-16E45	33.7	.	28.3	33	0	03/11
LA09264C-P5	33.2	.	27.1	32	0	03/25
GA 09241-16E24	32.4	.	25.3	31	0	03/14
W010025T1	32.3	.	28.7	34	0	03/23
LA03200E-2	32.1	.	25.6	34	0	03/24
GA 09241-16E23	25.3	.	16.7	31	0	03/11
Average	66.4 ²	.	43.4	34	20	03/29
LSD at 10% level	11.0	.	7.0	2	19	.
Std. Err. of Entry Mean	4.8	.	2.8	0.9	8.0	.

**Athens, Georgia:
Wheat Grain Performance, 2016-2017
(Continued)**

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

2. C.V. = 14.3%, and df for EMS = 240.

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

Planted: October 27, 2016.

Harvested: June 13, 2017.

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

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 20 lb N, 120 lb P₂O₅, and 240 lb K₂O/acre.

Topdress: 80 lb N/acre.

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

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

**Calhoun, Georgia:
Wheat Grain Performance, 2016-2017**

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

A wheat grain trial was planned for this location. However, due to extreme drought conditions from October through December, the trial could not be planted. Therefore, there are no results to publish.

Summary of Wheat Yields: Georgia, 2016-2017 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average	3-Year Average	2017	2-Year Average ⁴	3-Year Average ⁵	2017	2-Year Average	3-Year Average
	----- bu/acre -----								
#BOSS	17.3	.	.	89.6	.	.	35.4	.	.
#BULLET	61.8	.	.	96.8	.	.	70.6	.	.
#TURBO	67.7	72.1	.	88.4	.	.	72.9	.	.
#WARRIOR	39.9	55.9	.	98.2	93.0	.	54.5	65.2	.
AGS 2024	85.7	87.9	76.3	67.3	75.6	80.4	81.1	84.8	77.3
AGS 2027	78.4	.	.	.	.	.	.	.	.
AGS 2033	86.1	87.7	77.8	.	.	.	.	.	.
AGS 2035	66.2	.	.	.	.	.	.	.	.
AGS 2038	68.7	79.8	66.5	.	.	.	.	.	.
AGS 2055	.	.	.	94.3	81.0	77.8	.	.	.
AGS 3000	24.9	56.7	.	.	.	.	.	.	.
AGS 3201X	25.3	.	.	.	.	.	.	.	.
Dyna-Gro 9171	.	.	.	85.8	78.0	83.8	.	.	.
Dyna-Gro 9522	.	.	.	80.8	78.6	84.1	.	.	.
Dyna-Gro 9701	.	.	.	89.8	.	.	.	.	.
Dyna-Gro 9750	35.3	.	.	88.2	.	.	48.5	.	.
Dyna-Gro Savoy	62.8	84.6	76.4	45.3	74.1	75.0	58.4	82.0	76.0
GA 051207-14E53	77.2	83.5	73.4	68.2	71.7	72.9	75.0	80.6	73.3
GA 05450-15EL52	67.0	74.9	.	62.9	62.6	.	66.0	71.8	.
GA 061471-15LE38	71.9	80.6	.	70.4	71.7	.	71.5	78.4	.
GA 06283-15LE25	77.1	80.7	.	76.3	80.6	.	76.9	80.7	.
GA 06474-15EL56	81.6	87.4	.	51.3	.	.	74.0	.	.
GA 071012-14E6	53.6	71.2	65.0	34.8	54.6	63.3	48.9	67.1	64.6
GA 071107-16E2	51.7	.	.	48.9	.	.	51.0	.	.
GA 071171-15EL64ES8	71.4	80.1	.	49.3	60.8	.	65.9	75.3	.
GA 071518-16E39	71.0	.	.	52.5	.	.	66.4	.	.
GA 07192-14E9	72.4	81.6	71.4	55.0	60.6	68.0	68.0	76.3	70.5
GA 07353-14E19	65.3	78.1	70.0	43.1	.	.	59.7	.	.
GA 08070-16E21	51.7	.	.	39.9	.	.	48.8	.	.
GA 081113-15EL8	79.5	82.2	.	72.4	77.9	.	77.7	81.1	.
GA 081298-16LE1	87.4	.	.	61.7	.	.	81.0	.	.
GA 081446-15EL47	68.6	82.5	.	35.8	62.6	.	60.4	77.6	.
GA 08249-16E3	60.8	.	.	38.3	.	.	55.2	.	.
GA 08261-15EL7	82.2	81.5	.	43.8	.	.	72.6	.	.
GA 08510-15EL9	62.8	74.8	.	52.4	70.0	.	60.2	73.6	.
GA 08535-15LE29	79.2	89.4	.	58.5	.	.	74.0	.	.
GA 091291-16LE28	78.4	.	.	78.4	.	.	78.4	.	.
GA 09129-16E55	80.9	.	.	51.4	.	.	73.5	.	.
GA 09241-16E23	48.3	.	.	25.3	.	.	42.6	.	.
GA 09241-16E24	50.5	.	.	32.4	.	.	46.0	.	.

**Summary of Wheat Yields:
Georgia, 2016-2017 with Two- and Three-Year Averages
(Continued)**

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average	3-Year Average	2017	2-Year Average ⁴	3-Year Average ⁵	2017	2-Year Average	3-Year Average
	----- bu/acre -----								
GA 09377-16LE18	72.5	.	.	43.2	.	.	65.2	.	.
GA 09436-16LE12	84.0	.	.	67.7	.	.	79.9	.	.
GA 09656-16LE19	73.0	.	.	43.7	.	.	65.7	.	.
GA 09656-16LE21	63.0	.	.	38.8	.	.	57.0	.	.
GA-Gore	46.5	.	.	69.9	66.3	60.5	52.4	.	.
GAJT 141-14E45	83.8	83.7	72.7	66.7	66.9	69.6	79.5	79.5	71.9
Hilliard	67.7	75.4	66.9	77.9	82.0	82.0	70.3	77.1	70.6
LA 01110D-150-241	80.1	.	.	88.0	.	.	82.1	.	.
LA 01110D-150-625	69.9	.	.	43.5	.	.	63.3	.	.
LA 03200E-2	76.9	.	.	32.1	.	.	65.7	.	.
LA 09225C-33	68.3	.	.	62.2	.	.	66.8	.	.
LA 09264C-P5	64.2	.	.	33.2	.	.	56.4	.	.
NC 09-20986	55.1	63.6	56.9	67.5	66.9	63.2	58.2	64.4	58.5
NC 13-21213	62.0	.	.	72.6	.	.	64.7	.	.
P 243	25.7	42.4	.	79.1	71.1	.	39.0	49.5	.
P 357	10.6	22.0	26.9	55.0	57.6	64.5	21.7	30.9	36.3
PGX 14-5	55.2	.	.	70.3	.	.	59.0	.	.
PGX 16-1	80.2	80.3	72.3	78.0	74.5	75.6	79.7	78.8	73.1
PGX 16-3	32.1	.	.	82.9	.	.	44.8	.	.
PGX 16-4	73.8	78.3	69.6	84.0	78.1	74.6	76.3	78.2	70.8
Pioneer 26R10	36.6	48.4	45.6	74.7	72.9	80.7	46.1	54.5	54.3
Pioneer 26R41	62.7	66.3	61.3	90.8	87.1	91.0	69.7	71.5	68.7
Pioneer 26R59	35.4	50.7	49.2	87.6	87.5	93.7	48.4	59.9	60.3
Pioneer 26R94	71.5	77.9	68.5	43.3	56.0	60.9	64.4	72.4	66.6
Pioneer XW15C	48.4	.	.	98.9	.	.	61.0	.	.
SCLA 99049D-E1-J1	70.6	.	.	73.0	.	.	71.2	.	.
SH 5550	83.6	85.9	75.1	61.5	65.7	72.9	78.1	80.9	74.6
SH 7200	72.7	.	.	89.7	.	.	76.9	.	.
SRW 9410	55.5	65.6	61.1	80.5	77.6	73.4	61.7	68.6	64.2
SS 8415	57.2	61.5	56.0	70.7	71.0	76.1	60.6	63.9	61.0
SX1790	.	.	.	75.0	.	.	.	.	.
SY Cypress	57.0	66.0	60.5	.	.	.	.	.	.
SY Viper	.	.	.	89.1	87.5	.	.	.	.
TX-EL2	72.1	.	.	66.3	.	.	70.7	.	.
UGA 12390-16E45	45.0	.	.	33.7	.	.	42.2	.	.
USG 3228	32.2	.	.	89.6	.	.	46.6	.	.
USG 3448	41.4	.	.	97.8	.	.	55.5	.	.
USG 3458	43.7	.	.	81.0	.	.	53.0	.	.
USG 3536	59.4	69.8	.	97.3	86.8	.	68.9	74.0	.
USG 3689	51.9	.	.	72.7	.	.	57.1	.	.

**Summary of Wheat Yields:
Georgia, 2016-2017 with Two- and Three-Year Averages
(Continued)**

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average	3-Year Average	2017	2-Year Average ⁴	3-Year Average ⁵	2017	2-Year Average	3-Year Average
	----- bu/acre -----								
VA11W-108PA	67.8	.	.	92.8	.	.	74.0	.	.
VA11W-279	74.1	.	.	77.4	.	.	74.9	.	.
VA12W-68	76.2	.	.	81.8	.	.	77.6	.	.
VA12W-72	82.1	87.6	.	84.3	81.8	.	82.6	86.1	.
W010025R1	62.8	.	.	41.6	.	.	57.5	.	.
W010025T1	64.9	.	.	32.3	.	.	56.7	.	.
W010025Y1	60.9	.	.	36.9	.	.	54.9	.	.
WX16722	.	.	.	78.7	.	.	.	.	.
Average	62.4	73.6	64.5	66.5	73.0	74.7	63.2	71.9	66.3
LSD @ 10% Level	5.2	4.8	3.7	11.1	9.6	8.6	5.2	4.3	3.4
Standard Error of Entry Mean	2.6	2.1	1.6	2.7	2.0	1.9	2.6	2.1	1.7

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
 2. Tifton, Plains, and Midville.
 3. Athens and Calhoun. No 2017 Calhoun data available due to drought conditions.
 4. 2-year average data comprised of 2017 Athens, 2016 Griffin, and 2016 Calhoun data. Griffin provided Piedmont region data in previous years.
 5. 3-year average data comprised of 2017 Athens, 2015 Griffin, and 2015 Calhoun data..
- Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

**Summary of Late-Planted Wheat Yields:
Georgia, 2016-2017
with Two- and Three-Year Averages**

Brand-Variety	Yield ¹		
	South ²		
	2017	2-Year Average	3-Year Average
	----- bu/acre -----		
AGS 3000	66.6	73.7	.
Dyna-Gro 9750	12.1	.	.
GAJT 141-14E45	66.8	76.4	.
LA01110D-150-241	60.8	.	.
Pioneer 26R94	68.5	75.0	63.0
SH 5550	71.3	.	.
SH 7200	47.6	.	.
SY Cypress	54.1	65.8	57.7
USG 3228	13.4	.	.
USG 3689	25.0	.	.
VA11W-279	50.1	.	.
Average	48.8	72.7	60.4
LSD at 10% Level	5.0	3.5	NS ³
Standard Error of Entry Mean	2.13	1.44	1.89

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

2. Tifton, Plains, and Midville.

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).

**Plains, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2016-2017**

Brand-Variety	Yield ¹ bu/acre	Test Weight lb/bu	Heading Date Julian days ²	Height in	Leaf Rust ----- rating ³ -----	Stripe Rust
GA06474-15E56	90.5	.	85	.	0	0
TN1701	87.8	.	86	.	5	0
NC13-21213	83.5	.	101	.	0	0
GA061471-15LE38	83.2	.	85	.	0	0
AR051160-14LE31	82.5	.	93	.	1	0
OCW04S405S-11F	80.1	.	87	.	5	0
LA09225C-33	79.9	.	85	.	0	0
VA11W-108PA	79.5	.	89	.	0	0
Jamestown	76.7	.	93	.	0	0
TX-EL2	75.9	.	87	.	6	0
B12*2209#	75.1	.	85	.	3	0
Hilliard	74.9	.	98	.	2	0
GA08535-15LE29	74.1	.	85	.	3	1
OCW03S580S-8WF	72.1	.	87	.	2	0
VA09MAS1-12-8-4	69.6	.	89	.	5	0
B13*3189	67.9	.	83	.	5	0
LA08265C-50	65.8	.	85	.	0	0
LA09264C-P5	62.8	.	86	.	3	1
TN1703	62.6	.	97	.	8	0
KWS103	60.2	.	101	.	0	0
B13*3051	56.6	.	94	.	8	0
VA09MAS6-122-7-1	56.5	.	88	.	0	0
Pioneer Brand 26R41	56.2	.	101	.	5	0
AR06473-9-4-4	55.8	.	86	.	0	0
GA08510-15E9	54.5	.	85	.	0	0
LES15-5593	54.1	.	106	.	0	0
DH11SRW070-14	53.7	.	86	.	2	0
NC13-23443	52.1	.	97	.	0	0
15MDX-6	47.7	.	84	.	4	3
15MDX-11	46.6	.	87	.	5	1
AGS 2000	40.6	.	80	.	0	7
15MDX-5	36.3	.	83	.	4	5
LES15-7002	35.5	.	97	.	3	2
KWS114	30.3	.	96	.	0	0
TN1702	29.8	.	102	.	2	0
KWS141	29.1	.	102	.	0	0
Average	62.2 ⁴		91		2	1
LSD at 5% Level	13					

**Plains, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2016-2017 (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. = 16%.

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

Planted: November 17, 2016.

Harvested: May 18, 2017.

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.

Comments: Test weight and height data not available due to freeze damage.

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

**Griffin, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2016-2017**

Brand-Variety	Yield ¹ bu/acre	Test Weight lb/bu	Heading Date Julian days ²	Height in	Stripe Rust rating ³
Pioneer Brand 26R41	90.7	55.8	100	31	0
Hilliard	81.8	55.0	100	33	1
VA09MAS1-12-8-4	78.4	56.1	99	36	1
NC13-21213	77.1	56.4	99	34	1
VA11W-108PA	76.9	54.7	100	34	1
KWS103	71.9	55.2	100	35	0
LES15-5593	71.8	55.6	99	36	0
VA09MAS6-122-7-1	70.8	55.2	100	31	2
LES15-7002	67.6	54.4	99	32	1
KWS114	64.2	55.0	104	34	1
KWS141	63.6	55.3	100	32	1
AR051160-14LE31	62.9	55.3	91	30	1
TN1702	57.2	52.5	102	33	1
GA061471-15LE38	55.3	53.5	100	31	1
B13*3051	54.3	51.2	89	34	1
TN1703	48.9	45.7	100	27	1
NC13-23443	48.0	42.4	99	36	1
TN1701	47.4	44.0	87	31	2
LA09225C-33	47.3	45.7	89	34	1
LA09264C-P5	46.3	43.6	90	30	2
TX-EL2	46.1	.	89	32	1
DH11SRW070-14	45.3	.	99	31	1
LA08265C-50	44.0	41.2	88	30	1
B12*2209#	43.5	41.2	89	32	1
B13*3189	42.3	.	89	35	2
GA08535-15LE29	40.0	.	89	32	1
GA08510-15E9	33.3	.	88	29	1
OCW03S580S-8WF	32.1	.	99	29	2
OCW04S405S-11F	30.9	.	99	31	3
GA06474-15E56	29.4	.	87	28	1
15MDX-6	29.0	.	88	28	2
AR06473-9-4-4	27.0	.	88	30	2
15MDX-5	25.5	.	90	30	1
15MDX-11	25.4	.	90	28	2
Jamestown	21.3	.	89	36	3
AGS 2000	16.0	.	88	31	3
Average	50.4 ⁴	51.1	94	32	1
LSD at 5% Level	12				

**Griffin, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2016-2017 (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. = 14%.

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

Planted: November 1, 2016.

Harvested: June 3, 2017.

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

Soil Type: Cecil 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, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average ²	3-Year Average ²				
	-----	bu/acre	-----	lb/bu	in	%	mo/day
Triticale							
FL 08128	101.3	94.0	93.7	58.6	.	.	.
NS 202567	90.6	.	.	44.7	56	4	03/28
NF201	52.9	51.7	.	51.6	58	38	03/07
SS 1414 Triticale	24.5	.	.	48.1	51	5	03/06
FL 01143	4.4	42.7	47.1	48.1	60	0	02/24
Trical 342	3.8	48.0	62.8	48.1	57	0	03/03
Average	46.2 ³	59.1	67.9	49.9	56	9	03/07
LSD at 10% level	4	6	8	1	2	3	.
Std. Err. of Entry Mean	1.7	2.5	3.4	0.2	0.7	1.1	.
Rye							
Wrens Abruzzi	47.7	39.9	35.2	55.6	72	61	03/05
FL 104	41.9	48.4	.	55.0	73	26	02/25
FL 2X 406	40.5	42.0	38.7	54.6	74	21	02/28
FL 4X 404	35.6	32.3	.	51.3	74	20	03/07
Maton	31.9	33.8	29.3	52.6	67	85	03/24
Oklon	28.8	24.1	19.8	49.3	65	65	03/28
Elbon	21.9	20.6	19.4	51.8	64	93	03/28
Florida 401	20.0	32.0	31.7	56.0	75	23	02/23
Average	33.5 ⁴	34.1	29.0	53.3	70	49	03/10
LSD at 10% level	12	10	7	1	2	21	.
Std. Err. of Entry Mean	4.8	4.3	3.1	0.4	0.8	8.6	.

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. Triticale: Cumulative data for this table derived from 2017, 2016, and 2015 data sets.

Rye: Cumulative data for this table derived from 2017, 2016, and 2014 data sets. No data recorded for rye grain harvest in 2015.

3. C.V. = 7.5%, and df for EMS = 15.

4. C.V. = 28.3%, 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, 2016.

Harvested: May 19, 2017.

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

Rye: 18 seeds per foot in 7" rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.7.

Fertilization: Preplant: 40 lb N, 100 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 50 lb N/acre.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Triticale Grain Performance 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day	
NS 202567	74.6	.	.	44.3	49	50	04/05
NF201	63.6	70.9	63.4	49.6	48	68	03/18
SS 1414 Triticale	50.4	.	.	46.4	41	24	03/18
Trical 342	6.8	63.3	61.8	46.4	51	8	03/14
FL 01143	6.7	43.9	47.1	46.4	52	8	03/07
Average	40.4 ²	59.4	57.4	46.6	48	32	03/18
LSD at 10% level	8	NS ³	NS	4	1	12	.
Std. Err. of Entry Mean	3.2	2	1.5	1.6	1	4.9	.

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

2. C.V. = 12.8%, 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: December 16, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

Midville, Georgia: Triticale Grain Performance, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging
	Yield ¹	2-Year Average	3-Year Average			
	----- bu/acre -----			lb/bu	in	%
FL 08128	61.2	80.6	72.9	44.8	28	15
SS 1414 Triticale	41.5	.	.	44.2	39	34
NS 202567	40.5	.	.	39.3	49	30
NF201	39.1	47.7	42.8	43.8	47	48
Trical 342	23.4	63.2	61.8	42.4	42	29
FL 01143	10.9	50.2	48.7	42.4	42	33
Average	36.1 ²	60.4	56.5	42.8	41	31
LSD at 10% level	10	NS ³	NS	1	.	.
Std. Err. of Entry Mean	3.8	5.7	4.2	0.4	.	.

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

2. C.V. = 21.4%, 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: December 1, 2016.

Harvested: June 2, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 80 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Soybeans.

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

Athens, Georgia: Triticale and Rye Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre -----	-----	lb/bu	in	%	mo/day	
<u>Triticale</u>							
NS 202567	61.5	.	.	35.3	53	30	04/05
NF201	52.6	.	.	33.2	53	43	03/11
SS 1414 Triticale	40.4	.	.	24.4	42	18	03/13
Trical 342	37.8	.	.	19.0	43	10	03/08
FL 08128	36.4	.	.	19.7	44	35	03/07
FL 01143	27.3	.	.	11.1	43	31	02/01
Average	42.7 ²	.	.	23.8	46	28	03/12
LSD at 10% level	7.0	.	.	7.0	2	9	.
Std. Err. of Entry Mean	2.8	.	.	2.8	0.9	3.5	.
<u>Rye</u>							
Maton	50.3	.	.	39.9	69	77	03/25
Oklon	47.4	.	.	34.9	69	80	03/29
Wrens Abruzzi	43.7	.	.	33.6	70	42	03/07
Elbon	41.5	.	.	31.9	68	83	03/28
FL 2X 406	40.8	.	.	30.8	68	15	02/22
FL 104	39.1	.	.	29.4	67	17	02/22
Florida 401	30.5	.	.	18.6	69	25	02/17
FL 4X 404	22.8	.	.	9.8	69	33	03/11
Average	39.5 ³	.	.	28.6	68	46	03/09
LSD at 10% level	8.0	.	.	8.0	NS ⁴	19	.
Std. Err. of Entry Mean	3.4	.	.	3.1	0.8	6.7	.

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. C.V. = 13.0%, and df for EMS = 15.

3. C.V. = 17.1%, 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: October 27, 2016.

Harvested: June 13, 2017.

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

Rye: 18 seeds per foot in 7" rows.

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 20 lb N, 120 lb P₂O₅, and 240 lb K₂O/acre.

Topdress: 80 lb N/acre.

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

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

Summary of Triticale Yields: Georgia, 2016-2017 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average	3-Year Average	2017	2-Year Average ⁴	3-Year Average	2017	2-Year Average	3-Year Average
	----- bu/acre -----								
FL 01143	7.3	45.6	42.9	27.3	60.0	.	12.3	49.2	.
FL 08128	.	.	.	36.4	75.7	.	.	.	.
NF201	51.8	56.7	.	52.6	74.0	.	52.0	61.1	.
NS 202567	68.6	.	.	61.5	.	.	66.8	.	.
SS 1414 Triticale	38.8	.	.	40.4	79.9	.	39.2	.	.
Trical 342	11.3	58.1	55.9	37.8	77.6	.	18.0	63.0	.
Average	35.6	53.5	49.4	42.7	73.4	.	37.7	57.8	.
LSD at 10% Level	3.7	NS ⁵	5.4	6.9	NS	.	3.2	NS	.
Standard Error of Entry Mean	1.6	1.8	2.1	2.8	3.6	.	1.3	1.6	.

1. Yields calculated at 48 pounds per bushel at 13.0% moisture.
2. Tifton, Plains, and Midville.
3. Athens.
4. 2-year average data comprised of 2017 Athens and 2016 Griffin data. Griffin provided Piedmont region data in previous years.
5. 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).

Summary of Rye Yields: Georgia, 2016-2017 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average	3-Year Average ⁴	2017	2-Year Average ⁵	3-Year Average ⁶	2017	2-Year Average	3-Year Average
	----- bu/acre -----								
Elbon	21.9	20.6	19.4	41.5	73.6	66.7	31.7	28.7	32.0
FL 104	41.9	48.4	.	39.1	79.1	.	40.5	43.9	.
FL 2X 406	40.5	42.0	38.7	40.8	81.8	68.2	40.7	41.4	42.1
FL 4X 404	35.6	32.3	.	22.8	.	.	29.2	.	.
Florida 401	20.0	32.0	31.7	30.5	62.8	54.5	25.3	31.7	34.0
Maton	31.9	33.8	29.3	50.3	88.7	73.0	41.1	39.1	39.0
Oklon	28.8	24.1	19.8	47.4	74.9	65.8	38.1	30.8	31.8
Wrens Abruzzi	47.7	39.9	35.2	43.7	74.6	62.3	45.7	38.6	38.4
Average	33.5	34.1	29.0	39.5	76.5	65.1	36.5	36.3	36.2
LSD at 10% Level	12	10	7	8	NS ⁷	6	7	7	5
Standard Error of Entry Mean	4.8	4.3	3.1	3.4	3.4	2.6	4.1	3.9	2.8

1. Yields calculated at 56 pounds per bushel at 13.0% moisture.
2. Tifton.
3. Athens.
4. 3-year average data comprised of 2017, 2016, and 2014 Tifton data.
5. 2-year average data comprised of 2017 Athens and 2015 Griffin data. Griffin provided in Piedmont region data in previous years.
6. 3-year average data comprised of 2017 Athens. 2015 and 2014 Griffin data.
7. 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).

Oat

Tifton, Georgia: Oat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average ²					3-Year Average ²
	-----	bu/acre	-----	lb/bu	in	%	mo/day
Horizon 270	156.9	119.6	109.5	34.8	47	6	03/25
SCLA 0100214	154.3	.	.	33.2	42	0	04/04
Horizon 720	153.4	.	.	33.4	52	6	04/04
LA07007SBSBSB-18	150.0	.	.	34.9	43	0	03/23
NC12-3578	149.3	108.1	.	33.4	51	11	04/03
TX14OCS5089	146.1	.	.	33.3	50	8	03/28
Graham	141.9	112.3	.	32.8	39	0	04/08
TX14OCS5086	141.7	.	.	33.4	52	5	04/02
Horizon 306	140.3	106.2	83.7	36.5	46	3	04/04
TAMO 411	137.2	.	.	35.2	48	3	04/01
LA08084SBSBS-15	130.0	.	.	37.3	52	61	03/26
SCOP 86-13	123.9	.	.	30.2	53	46	04/08
NC12-3447	120.4	.	.	30.3	50	80	03/30
SCOP 85-8	119.2	.	.	33.5	52	4	04/07
TX14OCS5077	119.1	.	.	31.8	51	3	03/27
Okay	116.4	77.0	61.2	31.2	55	86	03/31
SS 76-50	109.6	94.7	74.4	29.4	47	18	04/03
Average	135.8 ³	103.0	82.2	33.2	49	20	04/01
LSD at 10% level	13	9	10	2	2	12	.
Std. Err. of Entry Mean	5.4	4.0	4.2	1.0	1.0	5.1	.

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

2. Cumulative data for this table derived from 2017, 2015, and 2014 data sets. No data recorded for oat grain harvest in 2016.

3. C.V. = 8.0%, and df for EMS = 48.

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

Planted: November 17, 2016.

Harvested: May 19, 2017.

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

Soil Type: Dothan loam sand.

Soil Test: P = Medium, K = Medium, and pH = 6.7.

Fertilization: Preplant: 40 lb N, 100 lb P₂O₅, and 80 lb K₂O/acre.

Topdress: 50 lb N/acre.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Oat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day	
LA07007SBSBSB-18	68.3	.	.	31.9	38	36	03/31
Horizon 270	59.0	84.1	87.3	31.7	40	53	04/03
TX14OCS5089	50.1	.	.	25.9	41	49	03/31
Graham	49.7	71.9	77.8	25.9	41	44	04/03
SCOP 85-8	45.2	71.8	.	18.8	47	60	04/09
SCLA 0100214	44.6	67.9	.	22.5	41	41	04/05
TX14OCS5086	42.1	.	.	19.9	45	29	04/02
TX14OCS5077	41.8	.	.	21.7	45	64	04/01
LA08084SBSBS-15	39.5	.	.	17.2	48	83	03/31
Horizon 720	34.2	.	.	12.5	47	63	04/06
SCOP 86-13	33.1	.	.	16.1	46	92	04/13
NC12-3578	31.8	54.7	63.7	18.1	46	48	04/04
TAMO 411	30.3	69.1	.	13.3	41	66	04/05
NC12-3447	27.4	56.3	.	12.6	45	78	04/05
SS 76-50	26.6	46.6	55.1	11.5	42	56	04/06
Okay	24.8	50.0	59.1	11.2	45	97	04/09
Horizon 306	19.5	57.3	61.6	8.3	45	51	04/05
Average	39.3 ²	62.9	67.4	18.8	44	59	04/04
LSD at 10% level	11.0	11.0	10.0	7.0	2	21	.
Std. Err. of Entry Mean	4.6	4.6	4.0	2.8	0.7	8.8	.

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

2. C.V. = 23.3%, and df for EMS = 48.

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

Planted: November 21, 2016.

Harvested: June 9, 2017.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

Midville, Georgia: Oat Grain Performance, 2016-2017

Brand-Variety	Yield ¹			Test Weight lb/bu	Height in	Lodging %
	Yield ¹ ----- bu/acre	2-Year Average	3-Year Average			
Graham	40.9	46.2	67.7	25.9	32	28
TAMO 411	36.1	52.1	.	19.5	30	46
LA07007SBSBSB-18	32.6	.	.	25.0	27	18
SCLA 0100214	30.6	30.9	.	22.6	31	34
NC12-3578	29.2	48.2	64.2	22.5	31	55
Horizon 306	29.1	46.2	57.6	24.4	33	63
TX14OCS5086	27.0	.	.	22.6	33	48
Horizon 270	27.0	53.3	65.7	25.1	30	33
SS 76-50	25.3	36.1	54.1	22.6	31	31
LA08084SBSBS-15	22.9	.	.	22.6	36	61
SCOP 85-8	22.8	38.1	.	19.9	31	35
TX14OCS5089	22.1	.	.	22.6	32	43
SCOP 86-13	21.7	.	.	22.6	35	66
Okay	20.3	24.6	35.8	22.6	32	81
TX14OCS5077	20.0	.	.	22.1	34	23
Horizon 720	16.8	.	.	.	39	51
NC12-3447	14.5	22.4	.	17.9	32	95
Average	25.8 ²	39.8	57.5	22.5	32	48
LSD at 10% level	9.0	9.0	8.0	1.0	3	19
Std. Err. of Entry Mean	3.8	3.8	3.2	0.3	1.2	7.8

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

2. C.V. = 29.8%, and df for EMS = 48.

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

Planted: December 1, 2016.

Harvested: June 2, 2017.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 80 lb P₂O₅, and 50 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Soybeans.

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

Athens, Georgia: Oat Grain Performance, 2016-2017

Brand-Variety	Yield ¹		Test Weight	Height	Lodging	Head Date	
	Yield ¹	2-Year Average					3-Year Average
	-----	bu/acre	-----	lb/bu	in	%	mo/day
SCOP 85-8	65.4	.	.	24.9	42	74	04/21
SCLA 0100214	58.9	.	.	23.0	38	23	04/11
NC12-3447	56.7	.	.	20.2	40	81	04/11
Horizon 306	56.6	.	.	24.5	40	50	04/17
Graham	55.8	.	.	22.2	39	33	04/08
SS 76-50	53.6	.	.	22.8	40	49	04/13
TAMO 411	52.0	.	.	22.7	41	43	04/17
LA07007SBSBSB-18	47.8	.	.	16.4	32	26	04/11
Horizon 270	46.7	.	.	19.9	38	23	04/15
NC12-3578	45.7	.	.	21.1	40	31	04/11
SCOP 86-13	35.4	.	.	13.8	47	73	04/13
TX14OCS5086	26.5	.	.	8.7	43	70	04/11
Horizon 720	25.7	.	.	8.8	46	54	04/17
TX14OCS5089	25.0	.	.	7.8	41	84	04/16
TX14OCS5077	20.6	.	.	5.6	42	65	04/11
LA08084SBSBS-15	19.9	.	.	4.4	46	46	04/11
Okay	16.6	.	.	4.7	44	73	04/10
Average	41.7 ²	.	.	16.0	41	53	04/13
LSD at 10% level	14.0	.	.	5.0	3	31	.
Std. Err. of Entry Mean	5.7	.	.	2.1	1.3	13.1	.

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

2. C.V. = 27.6%, and df for EMS = 48.

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

Planted: October 27, 2016.

Harvested: June 14, 2017.

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

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 20 lb N, 120 lb P₂O₅, and 240 lb K₂O/acre.

Topdress: 60 lb N/acre.

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

Karate and Sivanto used for insect control.

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

**Calhoun, Georgia:
Oat Grain Performance, 2016-2017**

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

An oat grain trial was planned for this location. However, due to extreme drought conditions from October through December, the trial could not be planted. Therefore, there are no results to publish.

Summary of Oat Yields: Georgia, 2016-2017 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	2017	2-Year Average ⁴	3-Year Average ⁵	2017	2-Year Average ⁶	3-Year Average ⁷	2017	2-Year Average	3-Year Average
-----bu/acre-----									
Graham	77.5	76.8	.	55.8	71.1	84.0	72.1	75.4	.
Horizon 270	80.9	85.7	87.5	46.7	53.0	83.6	72.4	77.5	86.5
Horizon 306	63.0	69.9	67.6	56.6	64.0	81.7	61.4	68.4	71.1
Horizon 720	68.1	.	.	25.7	.	.	57.5	.	.
LA07007SBSBSB-18	83.6	.	.	47.8	.	.	74.6	.	.
LA08084SBSBS-15	64.1	.	.	19.9	.	.	53.1	.	.
NC12-3447	54.1	.	.	56.7	77.2	.	54.7	.	.
NC12-3578	70.1	70.3	.	45.7	77.7	98.6	64.0	72.2	.
Okay	53.8	50.5	52.0	16.6	52.7	71	44.5	51.1	56.8
SCLA 0100214	76.5	.	.	58.9	78.0	.	72.1	.	.
SCOP 85-8	62.4	.	.	65.4	56.0	.	63.1	.	.
SCOP 86-13	59.6	.	.	35.4	.	.	53.5	.	.
SS 76-50	53.8	59.1	61.2	53.6	87.8	87.2	53.7	66.3	67.7
TAMO 411	67.9	.	.	52.0	61.5	.	63.9	.	.
TX14OCS5077	60.3	.	.	20.6	.	.	50.3	.	.
TX14OCS5086	70.2	.	.	26.5	.	.	59.3	.	.
TX14OCS5089	72.7	.	.	25	.	.	60.8	.	.
Average	67	68.7	67.1	41.7	67.9	84.4	60.6	68.5	70.5
LSD at 10% Level	6.3	5.8	5.4	13.6	9.4	10.8	5.8	4.9	4.8
Standard Error of Entry Mean	2.7	2.0	2.3	5.7	4.0	4.6	2.5	2.1	2.1

1. Yields calculated at 32 pounds per bushel at 12.5% moisture.
 2. Tifton, Plains, and Midville.
 3. Athens and Calhoun. No Calhoun data available for 2017 due to drought conditions.
 4. 2-year average data comprised of 2017 Tifton, Plains, Midville, and 2016 Plains, Midville data.
 5. 3-year average data comprised of 2017 Tifton, Plains, Midville; 2016 Plains, Midville; and 2015 Tifton, Plains, Midville data.
 6. 2-year average data comprised of 2017 Athens, 2016 Griffin, and 2016 Calhoun data.
 7. 3-year average data comprised of 2017 Athens, 2016 and 2015 Griffin and Calhoun data.
- 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, 2016-2017

Brand-Variety	Yield ¹			Test Weight	Height	Lodging	Head Date
	Yield ¹	2-Year Average	3-Year Average				
	----- bu/acre	----- bu/acre	----- bu/acre	lb/bu	in	%	mo/day
Secretariat	105.9	119.1	90.1	45.8	27	91	03/29
Thoroughbred	79.0	80.6	63.6	46.0	31	39	04/03
Flavia	73.3	.	.	42.4	28	25	04/08
VA11B-141	70.7	.	.	43.9	30	84	04/04
Violetta	59.7	.	.	43.6	29	50	04/14
Amaze10	55.9	70.0	54.0	55.9	29	71	04/06
Average	74.1 ²	89.9	69.2	46.3	29	60	04/05
LSD at 10% level	12	15	10	1	1	16	.
Std. Err. of Entry Mean	4.8	5.9	4.0	0.5	0.6	6.3	.

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

2. C.V. = 5.2%, 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 21, 2016.

Harvested: June 9, 2017.

Seeding Rate: 15 seeds per foot in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

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; 1,000 lb/acre lime.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, and R. Brooke.

**Calhoun, Georgia:
Barley Grain Performance, 2016-2017**

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

A barley grain trial was planned for this location. However, due to extreme drought conditions from October through December, the trial could not be planted. Therefore, there are no results to publish.

Forage Test Results

Wheat Forage

Tifton, Georgia:

Wheat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/30/2017	2/21/2017	3/22/2017	2017	2-Yr Avg
----- lb/acre -----					
AGS 2024	1296	1557	2570	5423	6158
W010025R1	948	1459	2494	4901	.
W010025T1	1067	1209	2309	4585	.
GA 07353-14E19	1013	1470	2048	4531	.
W010025Y1	850	1252	2418	4520	.
SH 5550	599	1122	2788	4509	5189
AGS 2038	566	1187	2712	4465	5129
AGS 2033	1067	795	2527	4389	5777
GAJT 141-14E45	447	795	3115	4356	.
GA 071012-14E6	1198	1753	1394	4345	.
SCLA 99049D-E1-J1	795	1154	2396	4345	.
GA 051207-14E53	795	860	2668	4323	.
GA 07192-14E9	697	850	2733	4280	.
Dyna-Gro Savoy	850	1546	1819	4215	5146
Pioneer 26R94	457	947	2636	4040	5026
SS 8415	959	882	2026	3866	5369
Graze-ALL	610	817	2352	3779	5434
AGS 2027	665	904	2200	3768	.
SRW 9410	741	806	2134	3681	5048
Pioneer 26R41	697	730	2069	3497	4993
GA-Gore	447	871	1960	3278	.
Pioneer 26R10	599	773	1775	3148	4819
Dyna-Gro 9171	556	610	1492	2657	4269
Average	779	1059	2288	4126 ¹	5196
LSD at 10% Level	307	337	337	703	NS ²
Std. Err. of Entry Mean	130	143	143	298	209

1. C.V. = 14.4%, and df for EMS = 66.

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: November 9, 2016,

Seeding Rate: 27 seed/foot in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = High, and pH = 6.0.

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

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Grain sorghum.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Wheat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/2/2017	3/20/2017	4/18/2017	2017	2-Yr Avg
----- lb/acre -----					
Pioneer 26R10	2200	3820	3801	9820	7827
Pioneer 26R41	2342	3707	3180	9228	7530
SRW 9410	2069	3717	2483	8269	6626
SH 5550	2309	5471	490	8269	6433
GA 07353-14E19	2581	5056	512	8148	.
AGS 2033	2647	4891	523	8060	6871
Pioneer 26R94	2254	5203	545	8002	6553
Dyna-Gro Savoy	2276	5023	686	7985	6233
GA 071012-14E6	2657	4861	457	7976	.
AGS 2027	2363	4645	958	7966	.
GA 051207-14E53	2516	4566	860	7942	.
GAJT 141-14E45	2015	4986	926	7927	.
AGS 2024	2581	4897	414	7892	6356
SS 8415	2189	3572	2058	7819	6434
GA 07192-14E9	2429	4550	784	7762	.
W010025R1	2461	4690	599	7750	.
SCLA 99049D-E1-J1	2254	4690	588	7532	.
GrazeAll	2276	4367	762	7406	6254
Dyna-Gro 9171	2058	2813	2494	7365	6429
AGS 2038	2243	4684	392	7319	5833
W010025T1	2374	4510	425	7309	.
W010025Y1	2363	4498	370	7232	.
GA-Gore	1938	3998	850	6786	.
Average	2321	4488	1094	7903 ¹	6615
LSD at 10% Level	275	436	290	578	384
Std. Err. of Entry Mean	117	185	123	245	163

1. C.V. = 6.2%, and df for EMS = 66.

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

Planted: November 8, 2016.

Seeding Rate: 27 seed/foot in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, 80 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: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Athens, Georgia: Wheat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield			Season Totals
	Harvest Date			
	2/1/2017	3/6/2017	4/10/2017	2017
	-----lb/acre-----			
SRW 9410	1339	3374	4016	8728
Dyna-Gro 9171	840	2785	5080	8704
Pioneer 26R41	1508	3204	3430	8142
Dyna-Gro Savoy	2109	3981	1839	7929
Pioneer 26R10	722	2365	4757	7844
GrazeAll	1969	3807	2050	7826
SCLA 99049D-E1-J1	2321	3005	1998	7324
GA 051207-14E53	2211	3355	1629	7195
Pioneer 26R94	1898	3231	2004	7133
AGS 2027	1697	3225	2164	7086
AGS 2033	2585	2856	1627	7068
AGS 2024	2192	2829	2031	7051
W010025R1	2514	2863	1436	6813
SS 8415	1531	2868	2322	6721
GA 071012-14E6	2119	2215	2288	6622
W010025T1	2391	2776	1425	6592
GA 07353-14E19	1954	2704	1803	6461
SH 5550	2005	2617	1825	6446
W010025Y1	2109	2625	1706	6440
GAJT 141-14E45	1494	3049	1646	6190
Average	1875	2987	2354	7216 ¹
LSD at 10% Level	403	668	437	670
Std. Err. of Entry Mean	170	283	185	283

1. C.V. = 7.8%, 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 11, 2016.

Seeding Rate: 27 seed/foot in 7" rows.

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 50 lb N, 165 lb P₂O₅, and 330 lb K₂O/acre.

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

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

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Wheat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield					
	Harvest Date				Season Totals	
	1/13/2017	2/10/2017	3/16/2017	4/14/2017	2017	2-Yr Avg ¹
----- lb/acre -----						
Pioneer 26R41	2724	1929	2900	2422	9974	.
GrazeAll	2465	1695	2133	2625	8918	.
SRW 9410	2506	1646	2242	2523	8917	6611
AGS 2033	2877	1608	2817	1576	8878	6987
SS 8415	2422	1685	2041	2526	8672	.
GA 051207-14E53	2888	1834	2688	1185	8595	.
Pioneer 26R10	2442	1767	2263	2101	8573	.
Pioneer 26R94	2654	1911	3595	383	8543	6288
AGS 2024	2866	2026	2876	665	8432	.
W010025R1	2741	2150	3009	398	8298	.
Dyna-Gro Savoy	2599	2557	2639	294	8089	6016
GAJT 141-14E45	2109	1622	3508	737	7976	.
AGS 2027	2269	1525	1878	2171	7843	5775
W010025Y1	2873	1980	2687	116	7656	.
SH 5550	2436	1676	3216	294	7621	5915
W010025T1	2660	1707	2940	220	7527	.
SCLA 99049D-E1-J1	2345	1622	2763	376	7106	5630
GA 071012-14E6	2627	2048	1987	318	6980	.
GA 07353-14E19	2396	1629	2631	226	6881	.
Dyna-Gro 9171	1973	1308	1435	787	5504	.
Average	2544	1796	2612	1097	8049 ²	6174
LSD at 10% Level	459	287	467	367	927	700
Std. Err. of Entry Mean	194.1	121.2	197.7	155.1	392.0	276.7

1. Average of data from 2015 and 2017.

2. C.V. = 9.7%, 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 26, 2016.

Seeding Rate: 27 seed/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, 60 lb K₂O, and 15 lb S/acre.

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

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary: Wheat Forage Performance, 2016-2017 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Athens ¹			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg
----- lb/acre -----												
AGS 2024	5423	6158	.	7892	6356	.	7051	.	.	6789	.	.
AGS 2027	3768	.	.	7966	.	.	7086	8219	.	6273	.	.
AGS 2033	4389	5777	6876	8060	6871	6708	7068	7959	.	6505	6869	.
AGS 2038	4465	5129	.	7319	5833	.	.	.	.	.	.	.
Dyna-Gro 9171	2657	4269	.	7365	6429	.	8704	8112	.	6242	6270	.
Dyna-Gro Savoy	4215	5146	6081	7985	6233	6216	7929	8341	8942	6710	6573	7080
GA 051207-14E53	4323	.	.	7942	.	.	7195	.	.	6487	.	.
GA 071012-14E6	4345	.	.	7976	.	.	6622	.	.	6314	.	.
GA 07192-14E9	4280	.	.	7762	.	.	.	.	.	.	.	.
GA 07353-14E19	4531	.	.	8148	.	.	6461	.	.	6380	.	.
GA-Gore	3278	.	.	6786	.	.	.	.	.	.	.	.
GAJT 141-14E45	4356	.	.	7927	.	.	6190	.	.	6157	.	.
GrazeALL	3779	5434	.	7406	6254	.	7826	.	.	6337	.	.
Pioneer 26R10	3148	4819	.	9820	7827	.	7844	8081	.	6937	6909	.
Pioneer 26R41	3497	4993	.	9228	7530	.	8142	.	.	6956	.	.
Pioneer 26R94	4040	5026	6167	8002	6553	6624	7133	7559	.	6391	6379	.
SCLA 99049D-E1-J1	4345	.	.	7532	.	.	7324	7581	.	6400	.	.
SH 5550	4509	5189	6015	8269	6433	6543	6446	7120	7867	6408	6248	6808
SRW 9410	3681	5048	6575	8269	6626	6231	8728	8164	.	6893	6612	.
SS 8415	3866	5369	6370	7819	6434	6104	6721	6950	.	6135	6251	.
W010025R1	4901	.	.	7750	.	.	6813	.	.	6488	.	.
W010025T1	4585	.	.	7309	.	.	6592	.	.	6162	.	.
W010025Y1	4520	.	.	7232	.	.	6440	.	.	6064	.	.
Average	4126	5196	6347	7903	6615	6404	7216	7809	8405	6451	6514	6944
LSD at 10% Level	703	493	496	578	384	392	670	655	830	NS ²	NS	NS
Std. Error of Entry Mean	298	209	209	245	163	165	283	277	247	162	122	93

1. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.

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).

Triticale and Rye Forage

Tifton, Georgia:

Triticale and Rye Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/30/2017	2/21/2017	3/22/2017	2017	2-Yr Avg
	----- lb/acre -----				
Triticale					
Trical 342	1982	937	2374	5293	4933
NS 202567	1013	1143	2461	4617	.
FL 01143	1677	839	2036	4552	4363
SS 1414 Triticale	730	1546	1993	4269	5070
NF201	370	980	2842	4193	5233
FL 08128	469	893	1536	2897	3909
Average	1040	1056	2207	4303 ¹	4701
LSD at 10% Level	351	185	230	514	325
Std. Err. of Entry Mean	142	75	93	207	134
Rye					
FL 104	1296	1220	2810	5325	5135
FL 2X 406	948	1448	2712	5108	5331
NF99362	621	1067	3169	4857	.
Wrens Abruzzi	708	1198	2875	4781	5837
NF95319B	675	1209	2842	4726	5712
Florida 401	1383	708	2614	4705	4645
Bates RS4	773	1111	2744	4629	5478
NF97325	501	1100	2821	4421	5298
Maton II	458	839	2952	4248	5048
Maton	675	817	2570	4062	5674
FL 4X 404	348	1253	2363	3964	4660
Elbon	621	730	2331	3681	5102
Oklon	338	523	2298	3158	4748
Average	719	1017	2700	4436 ²	5222
LSD at 10% Level	244	169	294	433	NS ³
Std. Err. of Entry Mean	102	71	123	181	176

1. C.V. = 9.6%, and df for EMS = 15.

2. C.V. = 8.2%, and df for EMS = 36.

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 9, 2016.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = High, and pH = 6.0.

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

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Grain sorghum.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Triticale and Rye Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/2/2017	3/20/2017	2017	2-Yr Avg
----- lb/acre -----				
<u>Triticale</u>				
NF201	2069	5215	7284	5981
NS 202567	2548	3733	6281	.
SS 1414 Triticale	2581	3656	6237	5576
FL 08128	2156	2833	4989	4505
Trical 342	2908	1725	4633	4203
FL 01143	2516	1739	4255	3656
Average	2463	3150	5613 ¹	4784
LSD at 10% Level	308	265	337	259
Std. Err. of Entry Mean	124	107	136	107
<u>Rye</u>				
NF97325	2309	5285	7593	6081
NF95319B	2298	4959	7257	5948
Maton	2047	5107	7154	6295
Wrens Abruzzi	2134	4936	7070	6006
Bates RS4	2113	4766	6878	5885
FL 104	2886	3761	6647	5326
FL 2X 406	2755	3832	6587	5415
NF99362	1917	4644	6561	.
Maton II	1939	4494	6432	5797
FL 4X 404	2048	4285	6332	5066
Oklon	1851	4152	6003	5658
Elbon	1732	4006	5737	5433
Florida 401	2973	2678	5651	4825
Average	2231	4377	6608 ²	5644
LSD at 10% Level	319	442	468	NS ³
Std. Err. of Entry Mean	134	185	196	129

1. C.V. = 4.8%, and df for EMS = 15.

2. C.V. = 6.0%, and df for EMS = 36.

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 8, 2016.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, 80 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: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Athens, Georgia: Triticale and Rye Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield			Season Total
	Harvest Date			
	2/1/2017	3/6/2017	4/10/2017	
	----- lb/acre -----			
<u>Triticale</u>				
FL 08128	3669	2491	3894	10053
NF201	4005	1556	4399	9959
FL 01143	3539	2036	4333	9907
SS 1414 Triticale	4489	2269	3011	9769
NS 202567	3991	1913	3424	9328
Trical 342	4395	2558	928	7881
Average	4014	2137	3331	9483 ¹
LSD at 10% Level	NS ²	NS	1096	987
Std. Err. of Entry Mean	471	325	442	398
<u>Rye</u>				
FL 2X 406	5653	1805	4489	11947
FL 104	5614	1930	4281	11824
Florida 401	5883	2301	3592	11777
Bates RS4	3190	3360	4709	11259
Wrens Abruzzi	4134	2444	4665	11244
Maton II	2459	4424	4245	11128
NF95319B	3409	3014	4670	11092
NF97325	3561	3052	4314	10928
NF99362	2880	3461	4286	10627
Oklon	877	4555	4930	10361
Maton	1451	5000	3892	10343
FL 4X 404	3903	1633	4620	10155
Elbon	1212	4351	4554	10117
Average	3402	3179	4403	10985 ³
LSD at 10% Level	895	447	655	1098
Std. Err. of Entry Mean	375	187	274	459

1. C.V. = 8.4%, and df for EMS = 15.

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

3. C.V. = 8.4%, and df for EMS = 36.

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

Planted: October 11, 2016.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/foot in 7" rows.

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 50 lb N, 165 lb P₂O₅, and 330 lb K₂O/acre.

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

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

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Triticale and Rye Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2017	2-Yr Avg ¹
	1/5/2017	2/6/2017	3/7/2017	4/6/2017	5/10/2017		
----- lb/acre -----							
Triticale							
SS 1414 Triticale	1796	1496	2148	512		5952	.
NF201	1664	1299	2459	339		5760	5481
FL 08128	1828	800	1949	324		4900	4433
FL 01143	1959	162	1767	279		4166	3827
Average	1812	939	2081	363		5194 ²	4580
LSD at 10% Level	NS ³	169	435	89		518	472
Std. Err. of Entry Mean	130.1	65.1	167.8	34.3		200	187.2
Rye							
Maton	2112	1354	1597	1109	475	6646	6238
Oklon	1949	1346	1269	1083	591	6237	6683
Maton II	1604	1558	1533	1031	426	6152	5917
NF95319B	2127	1690	1041	877	363	6097	.
FL 4X 404	1279	1951	898	1332	520	5980	4994
Wrens Abruzzi	1772	1825	939	912	530	5978	5478
Bates RS4	1993	1641	1058	787	356	5835	5348
NF97325	1342	1772	1171	1142	397	5823	.
NF99362	1467	1612	1274	920	492	5764	.
FL 2X 406	1615	1581	769	1092	527	5584	5294
FL 104	1772	1564	751	783	429	5298	4943
Elbon	1312	1206	1242	1016	349	5124	5941
Florida 401	1985	579	681	808	394	4447	4201
Average	1717	1514	1094	991	450	5766 ⁴	5503
LSD at 10% Level	NS	318	231	256	NS	1046	NS
Std. Err. of Entry Mean	365.2	133.3	96.6	107.3	81.8	438.1	266.3

1. Average of data from 2015 and 2017. Rye 2-yr average amended 9/18/17.
2. C.V. = 7.7%, and df for EMS = 9.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
4. C.V. = 15.2%, and df for EMS = 36.

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

Planted: Triticale: October 28, 2016.

Rye: October 25, 2016.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.

Rye: 36 seed/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, 60 lb K₂O, and 15 lb S/acre.

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

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

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

**Statewide Summary:
Triticale Forage Performance, 2016-2017
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Athens ¹			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg
----- lb/acre -----												
FL 01143	4552	4363	5388	4255	3656	4132	9907	7768	7381	6238	5262	5634
FL 08128	2897	3909	5127	4989	4505	5158	10053	8488	8307	5979	5634	6197
NF201	4193	5233	6329	7284	5981	6467	9959	7830	8181	7145	6348	6992
NS 202567	4617	.	.	6281	.	.	9328	.	.	6742	.	.
SS 1414 Triticale	4269	5070	6154	6237	5576	6231	9769	7976	7910	6758	6207	6765
Trical 342	5293	4933	5689	4633	4203	4790	7881	7133	7275	5935	5423	5918
Average	4303	4701	5737	5613	4784	5356	9483	7839	7811	6466	5775	6301
LSD at 10% Level	515	NS ²	NS	337	NS	484	987	NS	NS	NS	281	213
Std. Error of Entry Mean	207	134	115	136	107	203	398	262	221	156	104	107

1. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.
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).

**Statewide Summary:
Rye Forage Performance, 2016-2017
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Athens ¹			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg
----- lb/acre -----												
Bates RS4	4629	5478	6640	6878	6990	7027	11259	8699	8914	7588	7055	7527
Elbon	3681	5102	6748	5737	6595	6881	10117	7978	7840	6512	6558	7156
FL 104	5325	5135	5999	6647	5976	5753	11824	9042	8472	7932	6718	6741
FL 2X 406	5108	5331	6878	6587	6739	6789	11947	9152	9195	7881	7074	7621
FL 4X 404	3964	4660	5592	6332	5487	5205	10155	7974	7688	6817	6041	6162
Florida 401	4705	4645	5475	5651	5082	4892	11777	8835	7821	7378	6187	6063
Maton	4062	5674	6922	7154	7369	7440	10343	8150	8169	7186	7064	7510
Maton II	4248	5048	6467	6432	6735	6837	11128	8556	8537	7269	6780	7280
NF95319B	4726	5712	.	7257	.	.	11092	8592	.	7691	.	.
NF97325	4421	5298	.	7593	.	.	10928	8460	.	7647	.	.
NF99362	4857	.	.	6561	.	.	10627	.	.	7348	.	.
Oklon	3158	4748	6310	6003	6502	6668	10361	8052	8271	6507	6434	7083
Wrens Abruzzi	4781	5837	6723	7070	6857	6786	11244	8855	8654	7698	7183	7387
Average	4436	5222	6375	6608	6433	6428	10985	8529	8356	7343	6709	7053
LSD at 10% Level	433	NS ²	NS	NS	NS	NS	1098	570	NS	642	NS	NS
Std. Error for Entry Mean	181	177	201	196	194	158	460	242	204	177	114	108

1. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.
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).

Triticale Silage

Tifton, Georgia: Triticale Silage Performance, 2016-2017

Company or Brand Name	Variety Name or Number	Forage Yield		Plant Height	Dry Matter	2-Yr Avg Dry Yield	Head Date
		Dry	Green				
		tons/acre		in	%	tons/acre	
Northern Seed, Inc	Trical 342	3.8	7.5	44	51	4.1	02/28
Southern States	SS 1414 Triticale	3.6	7.5	41	48	4.1	03/02
Northern Seed LLC	NS 202567	3.3	9.1	.	36	.	03/24
OGL	NF201	3.2	7.4	47	43	3.4	03/03
University of Florida	FL 08128	2.8	6.4	43	43	3.5	02/27
Syngenta Seed, Inc	FL 01143	2.2	6.6	45	34	3.4	02/20
Average		3.1 ¹	7.4 ²	44	42	3.7 ³	03/02
LSD at 10% Level		0.7	1.8	.	2	0.6	.
Std. Err. of Entry Mean		0.3	0.7	.	1	0.3	.

1. CV = 18.0%, and df for EMS = 15.

2. CV = 19.0 %, and df for EMS = 15.

3. CV = 20.6 %, 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: November 17, 2016.

Harvested: April 7, 2017.

Seeding Rate: 27 seeds/acre in 7" rows.

Soil Type: Dothan loamy sand.

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

Fertilization: 50 lb N, 100 lb P₂O₅, and 80 lb K₂O/acre as preplant; 100 lb N/acre as topdress.

Previous Crop: Peanuts.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Test conducted by R. Brooke and D. Dunn.

**Athens, Georgia:
Triticale Silage Performance, 2016-2017**

Company or Brand Name	Variety Name or Number	Forage Yield		Plant Height in	Dry Matter %	2-Yr Avg Dry Yield tons/acre	Head Date
		Dry tons/acre	Green				
Northern Seed LLC	Trical 342	5.6	18.8	41	30	.	03/09
University of Florida	FL 01143	5.6	18.4	44	30	.	03/02
Southern States	SS 1414 Triticale	5.3	20.3	39	26	.	03/15
Northern Seed LLC	NS 202567	5.2	22.6	33	23	.	.
Oklahoma Genetics Inc.	NF201	4.6	19.4	41	23	.	03/13
University of Florida	FL 08128	3.6	14.4	39	25	.	03/11
Average		5.0 ¹	19.0 ²	39	26	.	03/10
LSD at 10% Level		0.7	1.4	3	2	.	.
Std. Err. of Entry Mean		0.3	0.6	1	1	.	.

1. CV = 11.2%, and df for EMS = 15.

2. CV = 6.0%, 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: October 27, 2016.

Harvested: March 27, 2017.

Seeding Rate: 27 seeds/acre in 7" rows.

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: 20 lb N, 120 lb P₂O₅, and 240 lb K₂O/acre as preplant; 80 lb N/acre as topdress.

Previous Crop: Sorghum.

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

Test conducted by H. Jordan and G. Ware.

Statewide Summary: Triticale Silage Performance, 2016-2017 with Two-Year Average

Brand-Variety	Yield						Statewide											
	South ¹			North ²														
	2017	2-Yr Average	3-Yr Average	2017	2-Yr Average	3-Yr Average	2017	2-Yr Average	3-Yr Average	Green	Dry	Green	Dry					
Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry					
tons/acre																		
FL 01143	6.6	2.2	11.3	3.4	9.6	3.0	18.4	5.6	14.5	4.3	18.6	4.6	12.5	3.9	12.9	3.8	14.1	3.8
FL 08128	6.4	2.8	11.6	3.5	10.4	3.2	14.4	3.6	14.1	3.8	19.0	4.2	10.4	3.2	12.9	3.7	14.7	3.7
NF201	7.4	3.2	12.1	3.4	9.8	2.8	19.4	4.6	16.8	4.0	20.9	4.2	13.4	3.9	14.4	3.7	15.3	3.5
NS 202567	9.1	3.3	.	.	.	.	22.6	5.2	.	.	.	.	15.9	4.2	.	.	.	.
SS 1414 Triticale	7.5	3.6	13.1	4.1	10.4	3.3	20.3	5.3	.	.	.	.	13.9	4.4	.	.	.	.
Trical 342	7.5	3.8	12.3	4.1	10.0	3.3	18.8	5.6	16.0	4.6	20.1	4.7	13.1	4.7	14.1	4.4	15.0	4.0
Average	7.4	3.2	12.1	3.7	10.0	3.1	19.0	5.0	15.4	4.2	19.7	4.4	13.2	4.1	13.6	3.9	14.8	3.8
LSD at 10%Level	1.8	0.8	1.2	NS ³	NS	NS	1.4	0.7	NS	NS	NS	NS	1.1	NS	NS	NS	NS	NS
Std. Error of Entry Mean	0.7	0.3	0.5	0.2	0.3	0.1	0.6	0.3	0.6	0.2	0.5	0.1	0.5	0.2	0.4	0.1	0.3	0.1

1. Tifton.
 2. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.
 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).

Oat Forage

Tifton, Georgia: Oat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	1/30/2017	2/21/2017	3/22/2017	2017	2-Yr Avg
	----- lb/acre -----				
SCOP 85-8	1263	1547	3267	6077	.
Okay	871	1524	3561	5957	7068
TX14OCS5078	1753	1557	2538	5848	.
TAMO 411	1115	1557	3093	5765	6764
TAMO 606	359	1165	4172	5696	6578
Horizon 306	1263	1318	3114	5695	6746
RAM LA99016	752	1416	3507	5674	6687
SS 76-50	632	1426	3615	5673	6419
Horizon 720	1296	1405	2940	5641	6540
Legend 567	1819	1307	2505	5630	5946
NF 402	741	1231	3561	5532	6697
Graham	1067	1372	3016	5456	.
TX14OCS5157	1057	1753	2559	5369	.
Horizon 270	1361	1372	2636	5369	6306
FL 0914-U2	969	1318	2962	5249	.
TX14OCS5061	469	1285	3430	5184	.
TX14OCS5159	926	1481	2766	5173	.
SCLA 0100214	823	1285	3060	5169	.
SCOP 86-13	348	1263	3398	5009	.
Average	994	1399	3142	5535 ¹	6575
LSD at 10% Level	313	NS ²	331	553	NS
Std. Err. of Entry Mean	132	153	140	233	154

1. C.V. = 8.4%, and df for EMS = 54.

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: November 9, 2016.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.0.

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

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Grain sorghum.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Oat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/2/2017	3/20/2017	4/18/2017	2017	2-Yr Avg
----- lb/acre -----					
Okay	2461	5446	1481	9388	7113
NF 402	2799	4577	1775	9151	7219
SCOP 85-8	2472	5291	1241	9004	.
TX14OCS5159	2570	5006	1242	8818	.
Horizon 306	2363	5258	1176	8798	6885
RAM LA99016	2450	4970	1274	8694	6959
SCLA 0100214	2374	4790	1481	8645	.
TX14OCS5157	2418	4673	1318	8408	.
TAMO 411	2429	5118	839	8385	6584
SS 76-50	1841	5435	1089	8364	6739
Horizon 270	2494	4307	1503	8304	6518
SCOP 86-13	2276	4486	1394	8156	.
Graham	2385	4459	1231	8075	.
TX14OCS5078	2450	3976	1351	7776	.
TAMO 606	2189	4705	795	7689	6545
TX14OCS5061	1917	4484	1285	7686	.
Horizon 720	2429	3762	1481	7672	6501
FL 0914-U2	1906	4217	1187	7311	.
Average	2346	4720	1286	8351 ¹	6785
LSD at 10% Level	227	383	204	511	339
Std. Err. of Entry Mean	96	162	86	216	143

1. C.V. = 5.2%, and df for EMS = 51.

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

Planted: November 8, 2016.

Seeding Rate: 22 seed/foot in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, 80 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: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Athens, Georgia: Oat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield			Season Totals
	Harvest Date			
	2/1/2017	3/6/2017	4/10/2017	
-----lb/acre-----				
SCOP 86-13	1027	2619	2105	5751
Horizon 306	1709	2521	1416	5646
Okay	1328	2691	1224	5242
Graham	1603	2209	1425	5236
Horizon 720	2525	1350	1262	5137
TX14OCS5159	1619	2002	1515	5136
NF 402	1456	2507	1137	5100
SS 76-50	1185	2797	1107	5089
SCLA 0100214	1403	2175	1438	5015
FL 0914-U2	2093	1420	1392	4905
RAM LA99016	902	2304	1652	4857
SCOP 85-8	1039	2444	1134	4616
TAMO 606	708	2438	1377	4522
TAMO 411	1117	2135	1269	4521
TX14OCS5078	1717	1581	1136	4434
TX14OCS5061	572	1960	1701	4232
Horizon 270	1450	1538	1119	4107
TX14OCS5157	1344	1759	965	4069
Average	1377	2136	1354	4867 ¹
LSD at 10% Level	316	579	294	712
Std. Err. of Entry Mean	133	244	124	301

1. C.V. = 12.4%, and df for EMS = 51.

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

Planted: October 11, 2016.

Seeding Rate: 27 seed/foot in 7" rows.

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P = Medium, K = Low, and pH = 6.1.

Fertilization: Preplant: 50 lb N, 165 lb P₂O₅, and 330 lb K₂O/acre.

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

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

Previous Crop: Sorghum.

Test conducted by H. Jordan and G. Ware.

Marianna, Florida: Oat Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2017	2-Yr Avg
	1/6/2017	2/6/2017	3/13/2017	4/11/2017		
----- lb/acre -----						
Okay	3014	813	4172	500	8498	6302
SS 76-50	2907	1039	3961	333	8240	5706
NF 402	2710	519	3617	1353	8199	6083
TAMO 411	2448	896	4169	421	7934	5988
TX14OCS5157	2648	584	3893	657	7782	.
SCLA 0100214	2726	404	3506	1054	7690	.
TX14OCS5061	1816	1081	4374	415	7686	.
Horizon 306	2835	765	3016	948	7564	6000
RAM LA99016	2550	424	3640	902	7515	6026
TX14OCS5159	2939	266	3656	634	7494	.
Graham	2861	462	3031	1081	7436	.
SCOP 86-13	2543	687	3095	1031	7356	.
SCOP 85-8	2917	311	3446	599	7272	.
TX14OCS5078	2764	50	3567	849	7230	.
TAMO 606	2380	888	3301	502	7071	6303
Horizon 270	2786	62	2532	476	5855	4844
Legend 567	3317	.	.	.	3317	4491
Horizon 720	3276	.	.	.	3276	4723
FL 0914-U2	2935	.	.	.	2935	.
Average	2756	578	3561	734	6860 ¹	5647
LSD at 10% Level	465	247	405	171	613	NS ²
Std. Err. of Entry Mean	197	104	171	72	259	183

1. C.V. = 7.5%, and df for EMS = 54.
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 26, 2016.

Seeding Rate: 22 seed/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, 60 lb K₂O, and 15 lb S/acre.

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

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

**Statewide Summary:
Oat Forage Performance, 2016-2017
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Athens ¹			Statewide		
	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg
	----- lb/acre -----											
FL 0914-U2	5249	.	.	7311	.	.	4905	.	.	5821	.	.
Graham	5456	.	.	8075	.	.	5236	6954	.	6255	.	.
Horizon 270	5369	6306	7330	8304	6518	5877	4107	6038	.	5926	6287	.
Horizon 306	5695	6746	8021	8798	6885	6233	5646	7625	.	6713	7085	.
Horizon 720	5641	6540	.	7672	6501	.	5137	5724	.	6150	6255	.
Legend 567	5630	5946	.	.	.	.	.	.	.	.	.	.
NF 402	5532	6697	7981	9151	7219	6777	5100	7266	6928	6594	7061	7229
Okay	5957	7068	8377	9388	7113	6616	5242	6813	6609	6862	6998	7201
RAM LA99016	5674	6687	7739	8694	6959	6270	4857	6732	6151	6409	6792	6720
SCLA 0100214	5169	.	.	8645	.	.	5015	.	.	6276	.	.
SCOP 85-8	6077	.	.	9004	.	.	4616	.	.	6566	.	.
SCOP 86-13	5009	.	.	8156	.	.	5751	.	.	6305	.	.
SS 76-50	5673	6419	7371	8364	6739	6007	5089	7037	6570	6375	6732	6649
TAMO 411	5765	6764	7738	8385	6584	6259	4521	6528	.	6223	6626	.
TAMO 606	4857	6158	7430	7689	6545	6308	4522	6806	.	5689	6503	.
TX14OCS5061	5184	.	.	7686	.	.	4232	.	.	5700	.	.
TX14OCS5078	5848	.	.	7776	.	.	4434	.	.	6019	.	.
TX14OCS5157	5369	.	.	8408	.	.	4069	.	.	5948	.	.
TX14OCS5159	5173	.	.	8818	.	.	5136	.	.	6375	.	.
Average	5491	6532	7748	8351	6820	6293	4867	6867	6564	6234	6761	6950
LSD at 10% Level	NS ²	NS	418	NS	NS	NS	712	509	NS	572	493	335
Std. Err. of Entry Mean	297	210	177	216	143	169	301	215	165	159	111	96

1. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.
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).

Ryegrass Forage

Tifton, Georgia: Ryegrass Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/21/2017	3/22/2017	2017	2-Yr Avg
----- lb/acre -----				
Earlyploid	1078	3975	5053	6224
FL4X Marmid	1198	3812	5010	6289
Flying A	1122	3877	4999	6262
GA102A	1274	3605	4879	.
GALM1401	1176	3648	4824	5707
Striker	1449	3365	4813	.
FL4X Marona	1089	3605	4694	6169
GALM1503	1089	3561	4650	.
Grazer	1078	3485	4563	5946
SARG-FL	1154	3365	4519	.
GALM1402	1274	3213	4487	.
FL AT-3	1263	3224	4487	.
PS12	1601	2766	4367	6061
GALM1403	1035	3191	4225	5619
GALM1501	1013	3202	4215	.
TAMTBO	1078	3136	4214	5946
Prine	1253	2930	4182	5467
Credence	1154	3017	4171	5843
Fria	1318	2842	4160	5690
RMexp2013B	1035	3115	4149	.
Diamond T	1143	2973	4116	5679
Big Boss	1176	2929	4105	5973
FL AT1	1089	3006	4094	5848
Andes	1056	3017	4073	6055
Attain	1024	3028	4051	5832
Jumbo	1198	2843	4041	6017
Nelson Tetraploid	1111	2897	4007	5771
PS15	1144	2799	3942	5636
GALM1515	860	3060	3921	5189
GALM1514	980	2930	3910	5636
GALM1513	947	2962	3909	5401
TetraStar	1067	2820	3888	5500
Maximus	1035	2842	3877	5391
GALM1502	1165	2614	3779	.
BAR LM 14167-4	893	2875	3768	.
Lonestar	980	2734	3714	5194
Winterhawk	730	2929	3659	5630
ME94 EXP	708	2864	3572	5609
Jackson	741	2832	3572	5183
GA101M	773	2690	3463	.

**Tifton, Georgia:
Ryegrass Forage Performance, 2016-2017
(Continued)**

Brand-Variety	Dry Matter Yield			
	Harvest Date		Season Totals	
	2/21/2017	3/22/2017	2017	2-Yr Avg
----- lb/acre -----				
BAR LM 14167-1	741	2679	3419	.
ME4 EXP	643	2701	3343	5733
BAR LM 16498	1024	2298	3321	.
Kodiak	664	2635	3300	.
McKinley	839	2418	3256	.
Wax Marshall	555	2690	3245	5385
WMWL EXP	762	2374	3136	.
M2CVS EXP	523	2439	2962	5080
BAR LM 15426	610	2276	2886	4312
BAR LM 16488	665	2145	2810	.
Passerel Plus	675	2124	2799	5369
Average	1005	2968	3972 ¹	5666
LSD AT 10% LEVEL	307	466	615	NS ²
Std. Err. of Entry Mean	131	200	263	243

1. C.V. = 13.2%, and df for EMS = 150.

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: November 9, 2016.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = High, and pH = 6.0.

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

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Grain sorghum.

Test conducted by R. Brooke and D. Dunn.

Plains, Georgia: Ryegrass Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/2/2017	3/20/2017	4/18/2017	2017	2-Yr Avg
-----lb/acre-----					
TetraStar	1982	5318	2799	10099	8259
ME4 EXP	2178	4855	2973	10007	7888
Wax Marshall	1459	5480	2832	9771	7886
TAMTBO	1579	5592	2570	9741	8007
Earlyploid	2036	5312	2320	9668	7721
M2CVS EXP	970	5480	3180	9630	7628
Lonestar	1873	5484	2254	9611	7845
FL4X Marona	1939	5330	2341	9610	7518
PS12	2102	4803	2657	9561	7730
Nelson Tetraploid	2124	4835	2570	9529	8139
PS15	1873	4854	2722	9450	7849
FL AT-3	1634	5401	2407	9441	.
Maximus	1808	4874	2734	9416	7746
Andes	1753	5108	2461	9322	7468
Jackson	1525	5355	2417	9297	7165
Jumbo	1873	4922	2450	9245	7852
BAR LM 14167-4	1590	4888	2755	9233	.
BAR LM 15426	1546	4585	3082	9213	7541
GALM1402	1568	4989	2646	9203	.
GA102A	1721	4910	2570	9201	.
WMWL EXP	1634	4541	3017	9191	.
Grazer	2124	5202	1808	9133	7345
BAR LM 14167-1	1361	4616	3115	9092	.
GALM1513	1024	5290	2744	9058	7375
Prine	1884	4657	2516	9057	7919
Credence	1372	5208	2472	9052	7610
GALM1502	1459	4767	2799	9025	.
BAR LM 16488	1318	4318	3365	9000	.
GALM1401	1557	5190	2222	8969	7140
Flying A	1830	5171	1960	8961	7638
ME94 EXP	1470	4936	2537	8944	7301
Kodiak	1394	4565	2984	8943	.
Diamond T	1917	4653	2363	8933	7742
BAR LM 16498	1427	4609	2864	8900	.
GALM1501	1644	4622	2614	8880	.
GALM1403	1568	4848	2451	8866	7275
Passerel Plus	1503	4793	2548	8844	7312
FL AT1	1753	4431	2657	8841	7545
Fria	1721	4974	2135	8829	7175
RMexp2013B	1971	4452	2374	8797	.

**Plains, Georgia:
Ryegrass Forage Performance, 2016-2017
(Continued)**

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2/2/2017	3/20/2017	4/18/2017	2017	2-Yr Avg
----- lb/acre -----					
SARG-FL	1394	5104	2298	8795	.
Big Boss	1830	4484	2385	8698	7608
McKinley	1503	4841	2342	8685	.
GALM1515	1111	5317	2233	8661	6918
Attain	1808	4370	2407	8584	7408
Winterhawk	1361	4629	2592	8582	7057
GA101M	1100	4538	2908	8546	.
GALM1514	1481	4545	2494	8520	7366
FL4X Marmid	1470	4568	2385	8423	7082
GALM1503	1361	4775	2069	8205	.
Average	1630	4908	2568	9105 ¹	7560
LSD at 10% Level	342	636	367	632	NS ²
Std. Err. of Entry Mean	146	272	157	270	166

1. C.V. = 6.0%, and df for EMS = 147.

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: November 8, 2016.

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

Soil Type: Greenville sandy clay loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

Fertilization: Preplant: 28 lb N, 80 lb P₂O₅, 80 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: Peanuts.

Test conducted by R. Brooke and D. Dunn.

Athens, Georgia: Ryegrass Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield					Season Total
	Harvest Date					
	2/1/2017	2/23/2017	3/20/2017	4/10/2017	5/9/2017	2017
	----- lb/acre -----					
PS15	2214	2545	2899	3792	3510	14959
M2CVS EXP	1221	2016	3797	3975	3665	14673
Big Boss	1958	2770	2189	4028	3551	14495
Passerel Plus	1656	2160	3284	3865	3496	14461
Andes	1533	2375	2904	3796	3728	14335
TAMTBO	1166	2621	2826	4021	3660	14293
FL AT1	1811	2320	2852	3794	3445	14222
McKinley	1491	2054	3433	3544	3581	14103
ME4 EXP	1793	2328	3217	3893	2857	14088
Diamond T	1518	2450	2821	3680	3611	14080
Maximus	1638	2376	2801	3488	3689	13992
Wax Marshall	1044	2190	3525	3771	3437	13967
TetraStar	1831	2356	2729	3674	3353	13942
PS12	2197	2353	2556	3460	3378	13942
Nelson Tetraploid	1831	2287	2923	3671	3229	13940
Credence	1407	2516	2849	3841	3091	13704
GALM1402	1748	2525	2457	3604	3333	13667
BAR LM 14167-1	989	2424	3387	3709	3146	13655
BAR LM 16498	861	2433	3031	3542	3735	13601
Flying A	2018	2175	3004	3473	2896	13565
Prine	1433	2452	2604	3827	3247	13562
GA101M	1492	2688	2869	3419	3088	13556
SARG-FL	1898	2404	2498	3942	2792	13533
GALM1514	1029	2205	3010	3790	3406	13439
BAR LM 16488	494	2095	3496	3941	3400	13426
Attain	1599	2148	2846	3650	3174	13417
GA102A	1716	2637	2334	3793	2905	13383
Lonestar	1962	2266	2761	3488	2892	13369
BAR LM 14167-4	1291	2732	2435	3479	3331	13267
BAR LM 15426	876	2382	3127	3392	3430	13205
Earlyploid	1788	2487	2332	3841	2747	13194
GALM1401	1651	2629	2439	3738	2702	13158
FL AT-3	1600	2231	2716	3732	2877	13156
RMexp2013B	1456	2211	2626	3371	3388	13051
Jumbo	1001	2286	2838	3583	3312	13019
Fria	2078	2176	2449	3372	2937	13011
GALM1502	1558	2487	2693	3272	2991	13000
ME94 EXP	1225	1981	3390	3582	2805	12983
WMWL EXP	1934	2121	2867	3498	2450	12870
Kodiak	1210	1981	3146	3671	2770	12778

**Athens, Georgia:
Ryegrass Forage Performance, 2016-2017
(Continued)**

Brand-Variety	Dry Matter Yield					Season Total
	Harvest Date					
	2/1/2017	2/23/2017	3/20/2017	4/10/2017	5/9/2017	2017
	----- lb/acre -----					
GALM1403	1986	2122	2583	3458	2600	12748
FL4X Marona	1729	2711	1881	4100	2313	12734
Jackson	1317	2343	2820	3240	2986	12706
Grazer	2303	2261	2171	3525	2416	12678
Hostyn	433	1540	3329	3659	3698	12658
FL4X Marmid	1395	2518	2373	3759	2588	12632
GALM1501	1703	2347	2350	3726	2477	12603
Winterhawk	1218	2079	2899	3333	2897	12425
Becva	361	1637	3350	3599	3346	12292
GALM1515	1505	2516	2320	3604	2337	12282
GALM1513	895	2298	2812	3530	2680	12215
GALM1503	2051	2304	2323	3104	2204	11986
Average	1502	2318	2811	3647	3107	13385 ¹
LSD at 10% Level	499	315	393	435	520	1006
Std. Err. of Entry Mean	212	134	167	185	221	428

1. C.V. = 6.4%, and df for EMS = 152.

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

Planted: October 11, 2016.

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

Soil Type: Augusta A/Chewacla silt loam.

Soil Test: P =Medium , K = Low, and pH = 6.1.

Fertilization: Preplant: 50 lb N, 165 lb P₂O₅, and 330 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: Sorghum.

Test conducted by H. Jordan and G. Ware.

Calhoun, Georgia: Ryegrass Forage Performance, 2016-2017

Brand-Variety	Dry Matter Yield ¹				
	Harvest Date			Season Totals	
	4/22/2017	5/10/2017	6/2/2017	2017	2-Yr Avg
-----lb/acre-----					
BAR LM 15426	3633	3034	2950	9616	10461
BAR LM 16498	3658	2510	2522	8690	.
GA101M	4140	1816	2489	8445	.
Maximus	4160	2115	2153	8428	9815
GALM1513	4107	1937	2261	8306	10021
Attain	4464	2035	1708	8207	9977
Prine	4321	1954	1845	8120	9918
Nelson Tetraploid	4416	1708	1974	8098	9782
Jumbo	4156	1853	1931	7940	9609
RMexp2013B	4019	2004	1901	7924	.
GALM1514	4548	1743	1581	7871	9624
GALM1502	3706	2332	1749	7787	.
BAR LM 14167-4	4030	1835	1918	7783	.
Becva	2833	2033	2887	7752	.
BAR LM 14167-1	3351	1949	2416	7715	.
TetraStar	4412	1764	1515	7691	9766
WMWL EXP	3548	2220	1913	7680	.
Lonestar	4414	1444	1813	7671	9389
Credence	4335	1754	1497	7585	9379
GALM1402	3865	2043	1677	7584	.
ME4 EXP	3488	1839	2256	7583	9460
GALM1403	3760	1932	1879	7571	9602
Passerel Plus	3279	2089	2192	7560	9343
GALM1503	3798	1635	2117	7550	.
PS15	3784	1906	1805	7495	9627
Flying A	4536	1450	1415	7400	9016
FL Red 4x	4132	1933	1282	7347	.
SARG-FL	4162	1752	1421	7334	.
Diamond T	3743	1598	1949	7290	9205
FL AT-3	4349	1694	1243	7285	.
Earlyploid	4845	1579	854	7277	9410
GALM1515	3973	1713	1499	7184	8869
FL4X Marmid	4541	1462	1120	7122	9014
PS12	4041	1661	1412	7113	9318
Hostyn	2660	1620	2816	7096	.
McKinley	3641	1587	1822	7050	.
Big Boss	4360	1510	1136	7006	9186
Wax Marshall	3326	1741	1897	6964	9178
Fria	3918	1653	1393	6963	9250
Kodiak	3355	1755	1809	6920	.

**Calhoun, Georgia:
Ryegrass Forage Performance, 2016-2017
(Continued)**

Brand-Variety	Dry Matter Yield ¹				
	Harvest Date			Season Totals	
	4/22/2017	5/10/2017	6/2/2017	2017	2-Yr Avg
	----- lb/acre -----				
TAMTBO	3885	1565	1373	6823	9309
GA102A	3599	1678	1547	6823	.
Grazer	3758	1551	1481	6789	9076
Winterhawk	3889	1630	1217	6736	8948
GALM1501	3998	1354	1355	6707	.
FL PE 2x	3558	1428	1718	6703	.
M2CVS EXP	2508	1997	2184	6689	9039
FL AT1	3304	1837	1540	6681	9040
GALM1401	4164	1373	1135	6672	8949
BAR LM 16488	2376	1978	2281	6635	.
FL4X Marona	4286	1388	952	6625	8612
Jackson	3469	1650	1462	6580	8644
Andes	3369	1556	1568	6493	8641
FLR16 4X	3431	1763	1135	6329	.
FLP 16GRB2X	3341	1474	1268	6083	.
ME94 EXP	2983	1666	1387	6036	8786
Average	3816	1787	1743	7346 ²	9331
LSD at 10% Level	653	332	501	890	673
Std. Err. of Entry Mean	279	142	214	380	288

1. Calhoun ryegrass was planted February 1, 2017 due to the extreme drought in fall of 2016 for the Limestone Valley.

2. C.V. = 10.4%, and df for EMS = 185.

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

Planted: February 1, 2017.

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

Soil Type: Waynesboro loam.

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

Fertilization: Preplant: 100 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Topdress: 70 lb N/acre after 1st and 2nd 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, 2016-2017

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2017	2-Yr Avg
	1/24/2017	2/20/2017	3/20/2017	4/20/2017		
	----- lb/acre -----					
Andes	1758	1347	1582	2991	7677	7298
Nelson Tetraploid	2534	1325	1359	2434	7652	7658
FL AT-3	1540	1248	1721	3117	7625	.
Earlyploid	1802	1493	1661	2519	7474	7101
FL C 4X	1422	1538	1838	2619	7416	.
FL Red 4x	1558	1244	1407	3115	7323	.
FLR16 4X	1529	1174	1561	2932	7196	.
FL AT1	1613	1173	1437	2899	7121	7472
FL RSN 4X	1442	1135	1567	2970	7113	.
FL4X Marona	1553	1491	1651	2369	7063	6414
FL4X Marmid	1383	1269	1735	2666	7051	7168
Credence	1455	1240	1592	2738	7024	7090
Big Boss	1476	1262	1569	2632	6938	7036
FLP 16GRB2X	1172	1140	1539	2967	6818	.
Prine	1799	1185	1251	2562	6796	7142
TetraStar	1694	1179	1398	2515	6786	7097
Jumbo	2074	1168	1172	2349	6762	6721
Jackson	1530	1034	1266	2918	6748	6600
Attain	1691	1205	1306	2526	6727	7421
GALM1514	1452	1276	1454	2540	6721	6847
TAMTBO	1491	1096	1299	2803	6688	7029
GA102A	1491	1247	1357	2565	6660	.
PS15	1959	1314	1042	2240	6555	6483
Striker	1639	1238	1319	2346	6542	.
Kodiak	1822	963	986	2753	6523	.
Wax Marshall	2030	906	1009	2570	6514	6708
BAR LM 14167-1	1620	1126	1195	2528	6469	.
GALM1502	1613	1204	1111	2486	6414	.
FL PE 2x	830	970	1533	3022	6355	.
SARG-FL	1677	1149	1139	2341	6307	.
Fria	1800	1160	1334	2003	6298	6449
PS12	2129	1309	1117	1739	6293	6329
ME94 EXP	1188	836	1145	3079	6249	6293
GALM1513	1533	1068	1293	2354	6248	6137
Diamond T	1574	1325	1063	2235	6195	6542
Lonestar	1890	1010	1148	2108	6156	6340
BAR LM 14167-4	1382	1055	1103	2603	6142	.
ME4 EXP	1810	762	827	2722	6121	6445
WMWL EXP	1588	971	1137	2417	6113	.
GALM1402	1447	1169	1169	2321	6105	.

**Marianna, Florida:
Ryegrass Forage Performance, 2016-2017
(Continued)**

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2017	2-Yr Avg
	1/24/2017	2/20/2017	3/20/2017	4/20/2017		
----- lb/acre -----						
Winterhawk	1024	828	1378	2796	6026	6580
GALM1503	1550	1050	1193	2170	5963	.
Grazer	2043	1177	1047	1485	5751	5774
BAR LM 15426	1204	863	1136	2543	5746	6410
BAR LM 16498	1324	902	917	2573	5716	.
Flying A	1974	1056	932	1709	5671	5843
Maximus	2019	1207	922	1491	5639	5910
M2CVS EXP	1098	590	896	3049	5632	6199
GALM1501	1014	1009	1665	1903	5591	.
GA101M	2149	1028	631	1612	5420	.
Passerel Plus	1579	900	729	2188	5395	5369
GALM1515	1037	874	1260	2187	5358	5511
GALM1401	1167	976	1319	1846	5307	5862
GALM1403	1614	1107	1001	1450	5172	5723
McKinley	1657	713	707	2094	5170	.
BAR LM 16488	1098	834	916	1956	4804	.
Average	1581	1109	1251	2440	6381 ¹	6559
LSD at 10% Level	501	230	305	518	826	590
Std. Err. of Entry Mean	214	98	130	222	353	357

1. C.V. = 11.1%, and df for EMS = 165.

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

Planted: October 25, 2016.

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, 60 lb K₂O, and 15 lb/acre S.

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

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

**Statewide Summary:
Ryegrass Forage Performance, 2016-2017
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield														
	Tifton			Plains			Athens ¹			Calhoun ²			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	2017	Avg	Avg	lb/acre
Andes	4073	6055	7380	9322	7468	7867	14335	11478	10965	6493	8641	10135	8556	8410	9087
Attain	4051	5832	7358	8584	7408	8086	13417	11102	10639	8207	9977	10475	8565	8580	9140
BAR LM 14167-1	3419	.	.	9092	.	.	13655	.	.	7715	.	.	8470	.	.
BAR LM 14167-4	3768	.	.	9233	.	.	13267	.	.	7783	.	.	8513	.	.
BAR LM 15426	2886	4312	.	9213	7541	.	13205	10873	.	9616	10461	.	8730	8297	.
BAR LM 16488	2810	.	.	9000	.	.	13426	.	.	6635	.	.	7968	.	.
BAR LM 16498	3321	.	.	8900	.	.	13601	.	.	8690	.	.	8628	.	.
Becva	.	.	.	.	.	.	12292	.	.	7752	.	.	.	.	.
Big Boss	4105	5973	7367	8698	7608	8001	14495	11604	10846	7006	9186	10178	8576	8593	9098
Credence	4171	5843	.	9052	7610	.	13704	11424	.	7585	9379	.	8628	8564	.
Diamond T	4116	5679	7056	8933	7742	7859	14080	11364	10694	7290	9205	10018	8605	8497	8907
Earlyploid	5053	6224	7776	9668	7721	7995	13194	11368	10552	7277	9410	10159	8798	8680	9121
FL AT-3	4487	.	.	9441	.	.	13156	.	.	7285	.	.	8592	.	.
FL AT1	4094	5848	.	8841	7545	.	14222	11587	.	6681	9040	.	8459	8505	.
FL PE 2x	.	.	.	.	.	.	.	.	.	6703	.	.	.	.	.
FL Red 4x	.	.	.	.	.	.	.	.	.	7347	.	.	.	.	.
FL4X Marmid	5010	6289	7924	8423	7082	7527	12632	10720	10067	7122	9014	9969	8297	8277	8872
FL4X Marona	4694	6169	7414	9610	7518	7999	12734	11237	10323	6625	8612	9210	8416	8384	8737
FLP 16GRB2X	.	.	.	.	.	.	.	.	.	6083	.	.	.	.	.
FLR16 4X	.	.	.	.	.	.	.	.	.	6329	.	.	.	.	.
Flying A	4999	6262	7786	8961	7638	8201	13565	11103	10518	7400	9016	9760	8731	8505	9066
Fria	4160	5690	7106	8829	7175	8200	13011	11123	10579	6963	9250	10734	8241	8309	9155
GA101M	3463	.	.	8546	.	.	13556	.	.	8445	.	.	8502	.	.
GA102A	4879	.	.	9201	.	.	13383	.	.	6823	.	.	8571	.	.
GALM1401	4824	5707	7359	8969	7140	7717	13158	11479	10824	6672	8949	9774	8406	8319	8918
GALM1402	4487	.	.	9203	.	.	13667	.	.	7584	.	.	8735	.	.
GALM1403	4225	5619	7012	8866	7275	7733	12748	11252	10364	7571	9602	10125	8352	8437	8808
GALM1501	4215	.	.	8880	.	.	12603	.	.	6707	.	.	8101	.	.
GALM1502	3779	.	.	9025	.	.	13000	.	.	7787	.	.	8398	.	.
GALM1503	4650	.	.	8205	.	.	11986	.	.	7550	.	.	8097	.	.
GALM1513	3909	5401	.	9058	7375	.	12215	10845	.	8306	10021	.	8372	8410	.
GALM1514	3910	5636	.	8520	7366	.	13439	11082	.	7871	9624	.	8435	8427	.
GALM1515	3921	5189	.	8661	6918	.	12282	10672	.	7184	8869	.	8012	7912	.
Grazer	4563	5946	7023	9133	7345	7627	12678	10779	10053	6789	9076	10181	8291	8286	8721
Hostyn	.	.	.	.	.	.	12658	.	.	7096	.	.	.	.	.
Jackson	3572	5183	6945	9297	7165	7540	12706	11077	10639	6580	8644	9704	8039	8017	8707
Jumbo	4041	6017	7268	9245	7852	8213	13019	10986	10626	7940	9609	10686	8561	8616	9198
Kodiak	3300	.	.	8943	.	.	12778	.	.	6920	.	.	7985	.	.
Lonestar	3714	5194	6699	9611	7845	8104	13369	11322	10710	7671	9389	9932	8591	8438	8861
M2CVS EXP	2962	5080	6764	9630	7628	8398	14673	11941	11320	6689	9039	10520	8489	8422	9250

**Statewide Summary:
Ryegrass Forage Performance, 2016-2017
with Two- and Three-Year Averages
(Continued)**

Brand-Variety	Dry Forage Yield												Statewide		
	Tifton			Plains			Athens ¹			Calhoun ²			Statewide		
	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg	2017	2-Yr Avg	3-Yr Avg
	----- lb/acre -----														
ME4 EXP	3343	5733	7461	10007	7888	8663	14088	11556	11371	7583	9460	10707	8755	8659	9551
ME94 EXP	3572	5609	7109	8944	7301	8015	12983	11033	10608	6036	8786	10235	7884	8182	8992
Maximus	3877	5391	6866	9416	7746	8021	13992	11894	10926	8428	9806	10593	8928	8709	9102
McKinley	3256	.	.	8685	.	.	14103	.	.	7050	.	.	8273	.	.
Nelson Tetraploid	4007	5771	7316	9529	8139	8599	13940	11561	11087	8098	9782	10729	8893	8813	9433
PS12	4367	6061	.	9561	7730	.	13942	11420	.	7113	9318	.	8746	8632	.
PS15	3942	5636	.	9450	7849	.	14959	12178	.	7495	9627	.	8961	8822	.
Passerel Plus	2799	5369	6990	8844	7312	7668	14461	11703	10909	7560	9343	10005	8416	8432	8893
Prine	4182	5467	7003	9057	7919	8353	13562	11670	11121	8120	9918	10681	8730	8743	9289
RMexp2013B	4149	.	.	8797	.	.	13051	.	.	7924	.	.	8480	.	.
SARG-FL	4519	.	.	8795	.	.	13533	.	.	7334	.	.	8545	.	.
Striker	4813	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TAMTBO	4214	5946	7361	9741	8007	8539	14293	11935	11440	6823	9309	10387	8768	8799	9432
TetraStar	3888	5500	7239	10099	8259	8456	13942	11525	10647	7691	9766	10830	8905	8762	9293
WMWL EXP	3136	.	.	9191	.	.	12870	.	.	7680	.	.	8219	.	.
Wax Marshall	3245	5385	7072	9771	7886	8416	13967	11994	11616	6964	9178	10716	8487	8611	9455
Winterhawk	3659	5630	7178	8582	7057	7824	12425	10421	10253	6736	8948	10622	7850	8014	8969
Average	3972	5666	7224	9105	7560	8062	13385	11333	10758	7346	9331	10272	8471	8472	9079
LSD at 10% Level	615	NS ³	NS	632	NS	401	1006	NS	NS	890	673	NS	712	272	277
Std. Error of Entry Mean	263	243	210	170	166	172	428	286	229	380	288	265	173	125	110

1. Athens 2017 data with Griffin data for 2016 and 2015. Griffin provided Piedmont region data in previous years.
 2. Calhoun ryegrass was planted February 1, 2017 due to the extreme drought in the fall of 2016 for Limestone Valley.
 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).

Sources of Seed for the 2016-2017 Small Grain Performance Tests

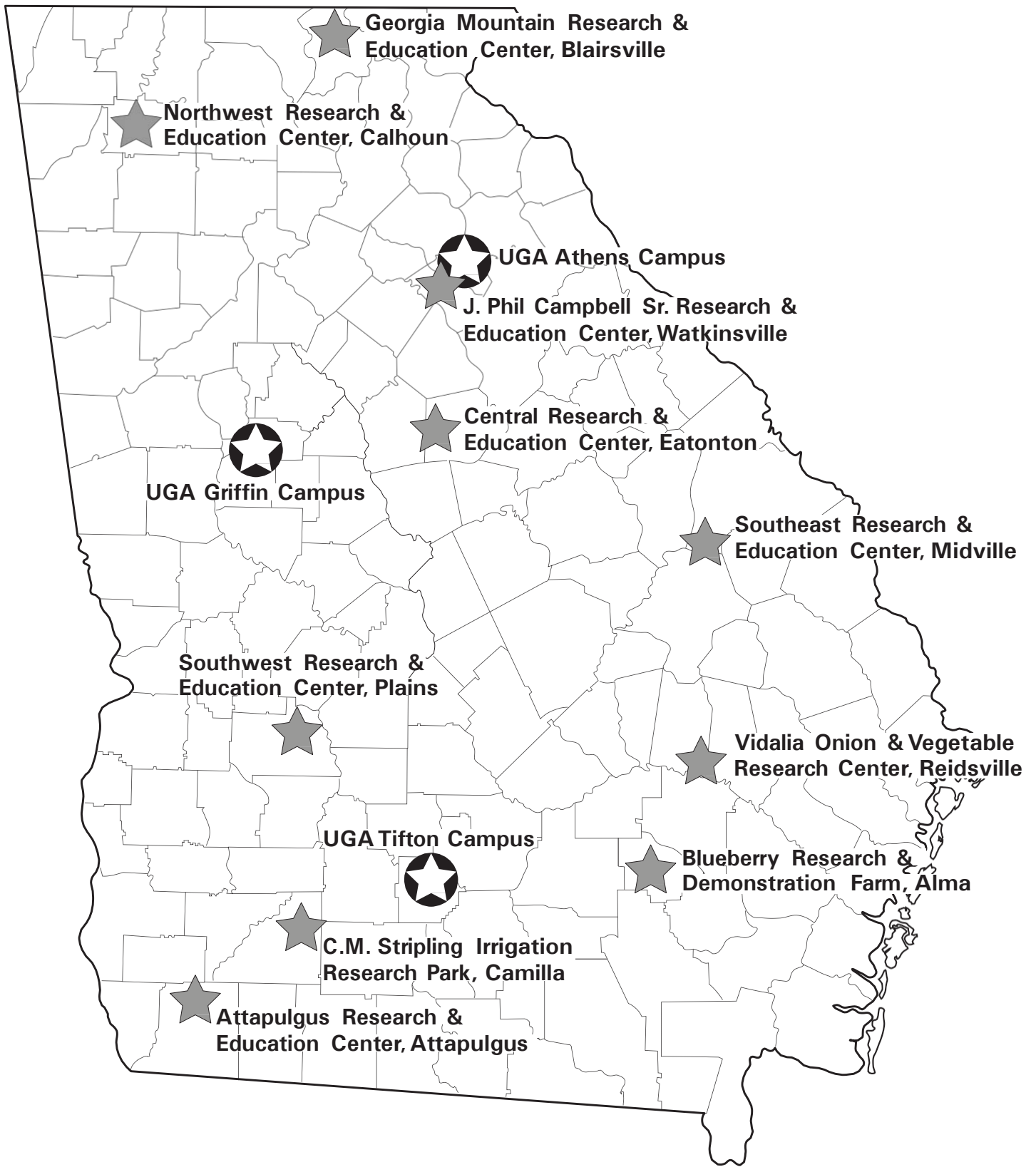
Crop	Variety – Seed Source
Wheat	<ul style="list-style-type: none"> - AGS and GrazeAll - AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708. - Dyna-Gro and WX16722 - Dyna-Gro Seed, 114 W. 12th Street, Tifton, GA 31794. - GA, GAJT, and UGA - University of Georgia - Griffin Campus, Crop & Soil Sciences Dept., 1109 Experiment Street, Griffin, GA 30223-1797. - GA-Gore - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605. - LA - Louisiana State University, SPESS, 221 M.B. Sturgis Hall, Baton Rouge, LA 70808. - NC - North Carolina State University, Box 7629, Raleigh, NC 27511. - OK11754WF – Oklahoma Foundation Seed, 2902 W. 6th Avenue, Stillwater, OK 74074. - P, PGX, #BOSS, #BULLET, #TURBO, AND #WARRIOR – Progeny Ag Products, 1529 Highway 193 South, Wynne, AR 72396. - Pioneer - Dupont Pioneer, 425 Abbeydale Way, Columbia, SC 29229. - SCLA and W 0100 – Clemson University, 179 Old Cherry Road, Clemson, SC 29634. - SH – Meherrin Agricultural & Chemical Company, 413 Main Street, Severn, NC 27877. - SS 8415 and SRW 9410 – Croplan by Winfield, 1080 County Road F West, MS5850, Shore View, MN 55126. - SX and SY – Syngenta Seeds Inc., Clemmons & Hamner Seed Inc., 5578 County Road 34, Killen, AL 35645. - TX-EL2 – Texas A&M AgriLife Research, 2600 S. Neal, Commerce, TX 75429. - USG - UniSouth Genetics, Inc., 3205-C Highway 46 South, Dickson, TN 37055. - VA and Hilliard - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.
Triticale	<ul style="list-style-type: none"> - FL - University of Florida, 155 Research Road, Quincy, FL 32351. - NF 201 - Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113. - NS 202567 and Trical 342 – Northern Seed LLC, 2355 Rice Pike, Union, KY 41091. - SS - Southern States Coop, 6606 West Broad Street, Richmond, VA 23230.

Sources of Seed for the 2016-2017 Small Grain Performance Tests (Continued)

Crop	Variety – Seed Source
Rye	<ul style="list-style-type: none"> - Bates RS4 - Athens Seed Co., PO Box 387, Watkinsville, GA 30677. - Elbon, Maton, and Oklon - Oklahoma Foundation Seed, 2902 W. 6th Avenue, Stillwater, OK 74074. - FL and Florida 401 - University of Florida, 155 Research Road, Quincy, FL 32351. - Maton II - Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113. - NF - Samuel Roberts Noble Foundation, 2510 Sam Noble Parkway, Ardmore, OK 73401. - Wrens Abruzzi - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
Oat	<ul style="list-style-type: none"> - FL0914-U2 - University of Florida, 3105 McCarty Hall, Gainesville, FL 32611. - Graham, SCLA 0100214, and SCOP - Clemson University, 179 Old Cherry Road, Clemson, SC 29634. - 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 567 - 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. - Okay - Oklahoma Foundation Seed, 2902 W. 6th Avenue, Stillwater, OK 74074. - RAM - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454. - SS - Southern States Coop, 6606 West Broad Street, Richmond, VA 23230. - TAMO - Specialty Seed Inc., PO Box 605, Brandon, MS 39043. - TX - Texas A&M University, 2747 TAMUS, 370 Olsen Blvd., College Station, TX 77843-2474.
Barley	<ul style="list-style-type: none"> - Amaze 10, Secretariat, Thoroughbred, VA11B-141, and Violetta - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.

Sources of Seed for the 2016-2017 Small Grain Performance Tests (Continued)

Crop	Variety – Seed Source
Ryegrass	<ul style="list-style-type: none"> - Andes, Becva, Credence, Hostyn, Kodiak, McKinley, and Striker - DLF Pickseed USA, PO Box 229, Halsey, OR 97348. - Attain, Big Boss, and SARG-FL - 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 RMexp2013B - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454. - FL AT and FL4X - University of Florida, 155 Research Road, Quincy, FL 32351. - FL, FL C 4X, FLP16GRB2X, FL PE 2X, FLR16 4X, FLRSN4X, and FL RED 4X - University of Florida, 6100 NW 156 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. - 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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