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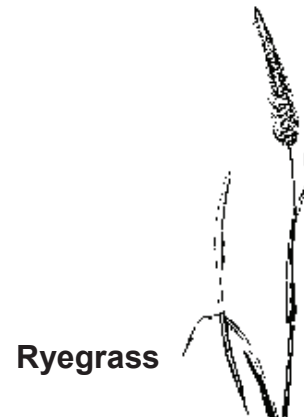
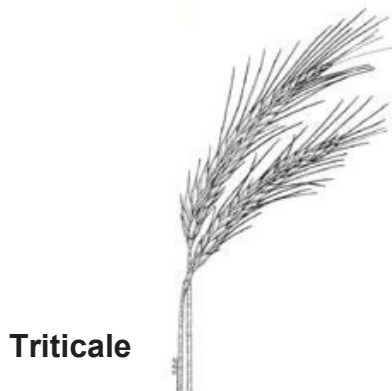
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Georgia

2015-2016 Small Grain

Performance Tests

John D. Gassett, Dustin Dunn, Henry
Jordan, Jr., and J. LaDon Day
Editors



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Conversion Table

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

Results of the 2015-2016 performance tests of small grains grown for grain and forage are printed in this research report. Grain evaluation studies were conducted at five locations in Georgia, including Tifton, Plains, and Midville in the Coastal Plain region; Griffin 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, Griffin in the Piedmont region, Calhoun in the Limestone Valley region, and at Marianna, Florida. 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 2016 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 percent 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: 2015 Corn Performance Tests (Annual Publication 101-7); 2015 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication 103-7); 2015 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication 104-7); 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 Mr. John D. Gasset, Department of Crop and Soil Sciences, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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2015-2016 SMALL GRAIN PERFORMANCE TESTS

*Edited by John D. Gasset, Dustin G. Dunn,
Henry Jordan Jr., and J. LaDon Day*

The Season

For the first time in years, Georgia producers of small grain were faced with adequate moisture for planting, while excessive rainfall delayed planting of small grains for many in the state. Heavy showers either washed out or silted over seed in some fields. Topsoil and subsoil moisture across the state was adequate in the fall of 2015. Delayed seeding due to unfavorable conditions resulted in mid- to late-planted crops. Georgia wheat producers seeded 230 thousand acres of wheat during the 2015-2016 crop year, an increase of 15,000 acres or 7% more than the previous year. Rye producers seeded 160,000 acres, a 24% decrease over last year, and oat seeded acres decreased to 50,000 acres, 23% less than last year.

Rainfall amounts recorded monthly at the six test locations in Georgia and at Marianna, FL during the 2015-2016 nine-month growing season are presented in the following table. All six locations received above average rainfall between October 2015 and June 2016.

2015-2016 Rainfall¹

Month	Year	Calhoun ²	Griffin	Midville	Plains	Tifton	Marianna, FL ³
----- inches -----							
October	2015	5.86	2.25	2.58	1.37	1.55	1.00
November	2015	6.81	9.51	5.00	6.68	4.68	7.33
December	2015	12.47	14.72	7.00	13.89	6.48	8.68
January	2016	3.69	3.88	1.82	3.39	3.08	4.79
February	2016	6.42	4.23	5.24	3.71	5.51	3.51
March	2016	4.33	3.36	2.83	2.39	5.26	8.16
April	2016	2.38	4.94	4.00	4.57	6.34	4.93
May	2016	1.79	3.61	4.22	0.84	1.45	1.74
June	2016	4.16	1.00	3.94	4.02	3.94	3.49
Total (9 months)		47.91	47.50	36.63	40.86	38.29	43.63
Normal (9 months)		43.14	38.40	32.53	37.18	35.07	38.70

1. Data for Georgia sites collected by Dr. Ian Flitcroft, Griffin Campus, Griffin, Ga.

2. Floyd County location.

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

The small grain growing season of 2015-2016 was wet for much of Georgia, however, above average temperatures caused a lack of vernalization for some in the state. There was sporadic insect damage around the state due to Hessian fly and cereal leaf beetle, but the damage was small. Powdery mildew was of concern for farmers across Georgia and required an application of fungicide. Also, Fusarium head blight

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disease caused economic damage for the third year in a row due to the cold, wet weather during anthesis. Crown rust in oats was a concern for oat producers for a fourth year in a row.

During 2016, Georgia wheat producers harvested 135,000 acres of wheat grain, 55,000 acres or 29% less than 2015. This acreage of wheat produced 8.74 million bushels, a 22% decrease from last year. Twenty thousand acres of oats were harvested for grain during 2016, which is a decrease of 5,000 acres under the previous year. Forty thousand acres of rye were harvested for grain, an increase of 33% over the previous year. Rye production in Georgia is primarily for forage and as a cover crop.

SMALL GRAIN CULTURAL PRACTICES

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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 (usually 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 most 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 2016 planting season are presented in the following tables.

Recommended Grain Varieties for 2016

Barley	Atlantic (S)	Secretariat (S)	Thoroughbred (S)
Oat	FL: 270 (S) ⁵ Gerard 224 (S) ² Gerard 229 (P,M) ²	*Horizon 201 (S) ² Horizon 270 (S) ² Horizon 306 (S) ²	SS 76-50 (P,M) ²
Wheat	AGS 2024 (S) *AGS 2026 (S) *AGS 2027 (S) AGS 2033 (S) *AGS 2038 (S) *AGS 2060 (C) ^{2,3} Dyna-Gro 9171 (P,M) ⁴	Dyna-Gro Savoy (S) Jamestown (S) ^{2,4} *LA754 (C) ² *Oglethorpe (S) Pioneer 26R10 (P,M) Pioneer 26R41 (P,M) ² Pioneer 26R94 (S)	Southern Harvest 550 (S) SS 8415 (S) SS 8629 (S) *SS 8641 (S) *TV8848 (P,M) ² *TV8861 (P,M) USG 3024 (P,M)
Triticale	Monarch (C,P)	SS Triticale 1414 (P)	Trical 342 (C,P)

1. M = Mountains; 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. Plant only at end of recommended planting period or later.
 4. Susceptible to some Hessian fly; consider using an insecticide.
 5. Crown rust resistant.
- * To be dropped from list in 2017.

Recommended Forage Varieties for 2016

Oat	*Horizon 201 (S) Horizon 306 (S)	Okay (S) NF402 (S)	RAM LA99016 (S) SS 76-50 (S)
Wheat	AGS 2038 (S) Dyna-Gro Savoy (C)	*Oglethorpe (P,M) *Roberts (P,M) ²	Southern Harvest 550 (S) ³ *SS 8641 (S)
Rye	Bates RS4 (S) Elbon (S)	FL 104 (S) Florida 401 (C) ²	Oklon (S) Wrens Abruzzi (S)
Triticale	Monarch (C,P)	SS Triticale 1414 (S)	Trical 342 (C,P)
Ryegrass	Attain (S) Big Boss (S) *Diamond T (S) *Earlyploid (S) Flying A Fria (S)	Grazer (P,M) Jackson (P,M) Lonestar (S) Marshall (S) Maximus (S) Nelson (S)	Passerel Plus (S) Prine (S) TAMTBO (S) Tetrastar (S) Winterhawk (S)

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

2. Suitable for early planting.

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

* To be dropped from list in 2017.

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)			
				6	7	8	10
	seeds/sq.ft.	lb/A ¹	bu/A ¹	----- 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, Griffin Campus, 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, 2016

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 2060	good	good	good	poor	fair	fair	fair	good	good	early	fair	short	yes
Dyna-Gro 9171	fair	good	good	fair	fair	good	good	poor	fair	late	good	long	yes
Dyna-Gro Savoy	good	good	good	good	fair	good	fair	good*	good	early	good	short	no
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
Oglethorpe	good	good	good	fair	fair	good	fair	good*	good	medium	fair	short	no
Pioneer 26R10	fair	good	good	fair	fair	good	fair	good	good	late	good	long	yes
Pioneer 26R20	poor	poor	-	fair	good	good	good	good	good	late	good	long	yes
Pioneer 26R41	fair	good	fair	good	good	fair	good	good*	good	late	good	long	yes
Pioneer 26R94	good	good	fair	good	fair	good	fair	good	good	medium	good	short	yes
Southern Harvest 550	good	good	good	good	fair	good	fair	fair	good	medium	good	medium	no
SS 8415	fair	good	-	good	fair	good	good	good*	good	late	good	long	no
SS 8629	fair	good	fair	fair	fair	good	good	good*	good	medium	fair	medium	yes
SS 8641	good	good	fair	good	fair	good	poor	good	good	medium	good	medium	no
TV8525	poor	fair	good	fair	fair	good	good	poor	good	late	good	long	yes
TV8535	fair	fair	good	fair	good	good	good	poor	fair	late	good	long	yes
TV8848	poor	fair	good	fair	good	good	fair	good	fair	late	good	long	yes
TV8861	fair	good	good	good	fair	good	fair	good	good	late	good	med. long	yes
USG 3024	good	good	good	good	fair	good	poor	fair	good	medium	good	medium	yes
Triticale													
Monarch	good	-	-	good	good	-	-	fair	fair	early	good	short	yes
SS Triticale 1414	good	-	-	good	good	-	-	fair	fair	early	good	short	yes
Trical 342	good	-	-	good	good	-	-	fair	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				
FL 720	good	fair	good	early	good	good
Gerard 224	poor	fair	good	medium	good	fair
Gerard 229	poor	fair	good	medium	good	fair
Horizon 201	poor	fair	good	medium	fair	fair
Horizon 270	poor	fair	good	medium	good	good
Horizon 306	poor	fair	good	medium	good	good
SS 76-50	poor	fair	good	medium	good	good

- 1, Barley yellow dwarf virus.

Barley

Brand-Variety	Resistance			Hessian Fly	Maturity	Test Weight	Head Type
	Glume Blotch	Spot Blotch	Scald				
Atlantic	good	good	good	fair	medium	good	awned
Nomini	fair	good	good	fair	medium	fair	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 again experienced an abnormally wet fall ahead of small grain planting in the Piedmont and Mountain areas. Fall plantings were difficult, with most wheat being planted into very wet soils. Plantings in the Upper Coastal Plain and Coastal Plains were timely, but planted wheat acreage was greatly reduced across the state. Rain in November and December led to saturated soils well into late winter.

Soilborne mosaic virus (SBMV) was observed only at Plains, but due to the warmer winter, the disease was not widespread in the state. The soilborne complex of diseases needs wet or moist soils and cool soil temperatures for disease development.

Barley yellow dwarf virus (BYDV) was observed at high levels across the state. Oats were especially hit hard. Warmer fall and winter temperatures allowed aphid populations to develop in large numbers and vector the virus into the small grain crops. In an El Nino year such as we have experienced, fall or early winter spraying for aphid control may be necessary for grain production especially with oats. Imidacloprid seed dressings for wheat are also effective in controlling early season infections.

Fusarium head blight (FHB/Scab) (*Fusarium graminearum*) incidences were widespread across the state. FHB was observed at high levels at Tifton and Plains. State wheat trials at both locations were scored with high infection rates. This is the third year in a row of extremely high infection rates within the state. Increased corn production may be providing the fungal inoculum necessary to keep FHB an ongoing problem in Georgia. Planting FHB resistant cultivars as well as judicious spraying and crop rotation are all important elements for disease management. Please refer to UGA Extension Publication C1066, *Identification and Control of Fusarium Head Blight (Scab) of Wheat in Georgia* for additional information about dealing with scab.

Powdery mildew (*Blumeria graminis*) was observed in the state at low levels and may be a result of fewer planted acres along with a very wet winter and spring. Mildew is favored by cooler and damp, not wet, conditions.

Leaf rust (*Puccinia triticina*) was observed at all research locations in the state. Disease levels were low in most cases, and cooler nights into the spring may have kept rust at lower levels. Leaf rust levels did increase at Plains and Tifton later in the season.

Stripe rust (*Puccinia striiformis*) was observed at Plains where plots were artificially inoculated. Stripe rust was not found in other locations around the state and was not a problem for growers this season.

Crown rust (*Puccinia coronate*) in oats was observed at devastatingly high levels, particularly at Plains and Tifton. The state trials at these two locations had only two or three resistant varieties in the entire test. Breeding for resistant varieties is the strategy in play at the current time. There are labeled foliar fungicides available for application on oats. Producers may want to consider using them until newer resistant varieties are developed.

Stagonospora spot blotch and tan spot were observed in wheat throughout the state at low levels. Tan spot was also reported on rye in the state.

INSECTS

G. David Buntin Department of Entomology Griffin Campus, Griffin, Georgia

The variety tests were sampled for Hessian fly, *Mayetiola destructor*, in late April, 2016 at Southwest Branch Research and Education Center near Plains and at the Bledsoe Research farm near Griffin. Results are from a sample of 20 stems at each location and are shown in the next table.

Hessian fly infestations were moderate at both locations, making definitive ratings difficult. 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.

Wet conditions in the fall of 2015-2016 delayed planting of wheat in some areas. Hessian fly infestations were low in the fall but reached high 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 were generally variable and sometimes significant throughout the state. However, BYD infection was generally low in the Coastal Plain region but moderate to high in northern 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 2016 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 and Griffin, Georgia, 2015-2016

	Plains		Griffin	
	% Infested Stems	No. Immatures /stem	% Infested Stems	No. Immatures /stem
154 (Triticale)	5	0.05	15	0.20
AgriMAXX 415	10	0.10	0	0.00
AgriMAXX 446	20	0.35	5	0.35
AgriMAXX EXP1674	0	0.00	0	0.00
AGS 2024	5	0.05	0	0.00
AGS 2033	5	0.05	0	0.00
AGS 2038	10	0.15	0	0.00
AGS 2040	40	1.35	25	0.25
AGS 3000 (LA 06146E-P4)	0	0.00	0	0.00
AR01040-4-1	25	0.45	30	0.35
ARGA 04510-11E24	30	0.40	5	0.05
Dyna-Gro 9171	5	0.05	40	0.75
Dyna-Gro 9522	25	0.25	5	0.10
Dyna-Gro 9642	0	0.00	10	0.15
Dyna-Gro Savoy	0	0.00	10	0.10
EXP 3536	5	0.05	0	0.00
FL 001143 Triticale	20	0.20	5	0.05
FL 01008 (Triticale)	0	0.00	5	0.05
FL 08128 (Triticale)	0	0.00	15	0.15
GA 04434-12LE28	0	0.00	25	0.55
GA 051102-13LE43	0	0.00	25	0.45
GA 051207-14E53	5	0.05	0	0.00
GA 05450-15EL52	30	0.40	15	0.20
GA 05450-15LE41	30	0.50	5	0.05
GA 061082-13E24	5	0.05	30	0.35
GA 061086-14LE23	0	0.00	0	0.00
GA 061096-14E3	20	0.20	0	0.00
GA 061157-15LE44	10	0.10	20	0.30
GA 061158-14LE11	10	0.15	0	0.00
GA 061349-13LE29	0	0.00	25	0.30
GA 061349-13LE31	15	0.20	0	0.00
GA 061471-15LE38	25	0.25	5	0.05
GA 06283-15LE25	40	0.60	5	0.10
GA 06474-15EL56	25	0.35	0	0.00
GA 071012-14E6	0	0.00	5	0.05
GA 071171-15EL64ES8	10	0.20	10	0.10
GA 07144-15LE16	0	0.00	10	0.25
GA 07192-14E9	15	0.15	15	0.35
GA 071969-14LE24	0	0.00	40	0.65
GA 07353-14E19	15	0.15	10	0.15
GA 081104-15EL23	5	0.05	10	0.25
GA 081113-15EL8	0	0.00	0	0.00
GA 081446-15EL47	0	0.00	5	0.05
GA 08261-15EL7	10	0.10	20	0.20
GA 08391-15EL19	0	0.00	0	0.00

**Hessian Fly Infestation in Wheat Entries in the
Georgia Small Grain Performance Tests at
Plains and Griffin, Georgia, 2015-2016 (Continued)**

	Plains		Griffin	
	% Infested Stems	No. Immatures /stem	% Infested Stems	No. Immatures /stem
GA 08510-15EL9	0	0.00	5	0.05
GA 08535-15LE29	5	0.05	5	0.05
GA Gore	20	0.30	0	0.00
GA06112-13EE16	15	0.20	30	0.55
GAJT 141-14E45	0	0.00	0	0.00
Graze-All	5	0.05	10	0.20
Hillard (VA11W-108)	0	0.00	15	0.15
LA03200E-2	0	0.00	0	0.00
LA08090C-9-2	5	0.05	0	0.00
LA08115C-30	15	0.20	0	0.00
LA09011UB-2	0	0.00	5	0.45
Monarch (Triticale)	5	0.05	25	0.35
NC09-20986	0	0.00	10	0.15
NC11-22289	5	0.05	5	0.05
NC8170-4-3	0	0.00	5	0.05
NF 201 (Triticale)	0	0.00	0	0.00
OK11754WF	15	0.15	0	0.00
P 243	20	0.25	25	0.80
P 357	5	0.05	25	0.75
P 870	0	0.00	30	0.40
PGX 15-12	0	0.00	0	0.00
PGX 15-14	0	0.00	0	0.00
PGX 15-16	10	0.10	0	0.00
Pioneer 26R10	0	0.00	20	0.35
Pioneer 26R41	0	0.00	10	0.10
Pioneer 26R59	5	0.05	0	0.00
Pioneer 26R94	15	0.15	5	0.05
Roberts	10	0.10	5	0.10
SCTX98-27A1	20	0.30	20	0.35
Southern Harvest 550	20	0.20	0	0.00
SS 1414 (Triticale)	0	0.00	10	0.10
SS 8360	0	0.00	40	0.65
SS 8415	0	0.00	0	0.00
SS 8530	10	0.10	5	0.05
SS 8629	0	0.00	10	0.10
SY Cypress	25	0.30	0	0.00
SY Viper	50	0.65	10	0.20
Trical 342 (Triticale)	0	0.00	0	0.00
USG 3013	0	0.00	5	0.05
USG 3201	10	0.10	0	0.00
USG 3404	0	0.00	0	0.00
USG 3756	30	0.35	0	0.00
VA 12W-72	0	0.00	5	0.05
VA10W-96	0	0.00	0	0.00
W010025H2	0	0.00	10	0.10
WX 15781	0	0.00	5	0.05

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

Grain Test Results

Wheat

Tifton, Georgia:

Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data							
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Head Date mo/day	Powdery Mildew ² rating	Leaf Rust ³ %	FHB/ Scab ⁴ rating
	---- bu/acre	---- bu/acre								
Dyna-Gro Savoy	79.9	77.0	4	104.8	58.1	35	03/27	0	0	3
GA 04434-12LE28	76.7	73.9	25	95.3	57.1	41	04/05	0	8	4
AGS 2024	75.4	75.9	2 ^T	106.3	57.1	37	04/01	0	0	5
AGS 2033	75.2	74.4	8	99.1	60.2	39	04/04	0	0	1
GA 061349-13LE31	74.3	74.3	12	98.2	58.1	39	04/06	3	0	2
Southern Harvest 550	73.7	72.0	17	97.1	56.8	39	04/01	0	0	4
AGS 2040	72.7	70.5	24 ^T	95.6	59.5	39	03/31	0	0	2
GA 06112-13EE16	72.4	67.3	29	91.7	58.4	36	03/24	0	0	0
LA3200E-2	72.2	66.7	18	96.9	60.5	39	04/02	0	15	1
GA 061349-13LE29	70.1	67.7	41	86.5	55.9	38	04/10	0	0	0
GA 051102-13LE43	69.5	66.9	26	95.1	59.1	39	04/07	0	0	0
SY Cypress	68.8	65.5	34	89.6	57.4	35	03/27	2	10	0
Pioneer 26R94	68.6	66.7	19	96.8	60.1	41	03/31	0	0	2
GA 061082-13E24	66.9	61.3	44	84.0	55.5	34	04/04	2	0	3
SS 8629	66.5	64.0	45	82.0	53.0	37	04/07	1	35	0
SS 8415	63.9	54.4	50	75.0	52.5	40	04/11	0	10	0
AGS 2038	60.4	57.1	31	90.6	57.6	43	04/02	0	0	5
Pioneer 26R41	60.1	50.9	53	70.2	56.2	38	04/14	2	18	0
USG 3404	53.5	48.0	58	61.2	54.4	40	04/16	2	40	0
SS 8360	51.3	37.7	64	37.3	51.2	37	04/17	2	45	0
Pioneer 26R10	49.9	36.8	61	57.2	51.6	39	04/15	4	40	0
P 870	43.7	37.9	62	55.7	51	37	04/16	1	28	0
P 357	34.1	24.2	66	25.3	23.1	36	04/15	3	33	0
GA 07353-14E19	.	73.9	3	105.9	59.0	38	03/28	2	0	0
GA 061096-14E3	.	71.1	33	89.9	60.5	39	04/03	0	1	1
GA 07192-14E9	.	70.2	15	97.6	57.8	40	03/27	2	0	0
Hilliard	.	68.4	14	97.90	56.4	43	04/08	0	28	0
GAJT 141-14E45	.	67.7	23	95.8	57.7	37	04/03	0	0	5
GA 071012-14E6	.	67.5	27	93.7	58.3	35	03/26	0	0	0
GA 061158-14LE11	.	67.1	20 ^T	96.6	59.0	41	04/07	1	0	1
GA 07169-14LE24	.	66.5	5	103.0	55.3	40	04/07	1	5	5
GA 051207-14E53	.	64.9	36	89.0	56.2	42	04/07	2	0	3
SCTX 98-27A1	.	64.8	35	89.5	55.1	37	03/31	2	8	3
VA10W-96	.	64.1	30 ^T	90.8	58.0	42	04/08	0	0	0
SS 8530	.	61.3	40 ^T	87.0	54.3	42	04/09	1	6	0
W 010025 H2	.	59.2	47	81.3	55.5	43	04/07	3	3	4
GA 061086-14LE23	.	57.7	39	87.2	60.8	43	04/08	0	3	0
NC09-20986	.	54.8	48	79.2	59.1	40	04/03	0	15	3
3756	.	48.1	57	62.8	54.3	41	04/14	2	30	0
26R59	.	44.0	55	67.0	52.7	36	04/15	0	40	0

Tifton, Georgia:
Wheat Grain Performance, 2015-2016 (Continued)

Brand-Variety	Yield ¹		Rank	2016 Data						
	3-Year	2-Year		Yield ¹	Test	Ht	Head	Powdery	Leaf	FHB/
	Average	Average									bu/acre	Wt	in	Date	Mildew^{2}	Rust^{3}	Scab^{4}
---- bu/acre ----			lb/bu		mo/day	rating	%	rating		
GA 08535-15LE29	.	.	1	111.7	59.7	41	03/30	1	0	1
GA 08391-15EL19	.	.	2 ^T	106.3	58.1	38	03/30	0	0	4
GA 081446-15EL47	.	.	6	101.0	58.7	37	03/25	1	0	0
VA12W-72	.	.	7	100.8	56.3	39	04/08	0	1	0
GA 081104-15EL23	.	.	9	98.9	57.3	41	04/01	2	3	2
GA 061157-15LE44	.	.	10	98.5	55.9	38	04/01	1	0	4
GA 06474-15EL56	.	.	11	98.3	57.0	38	03/31	0	0	0
AGS 3000	.	.	13	98.0	58.8	37	03/24	2	0	0
GA 08510-15EL9	.	.	16	97.2	58.4	37	03/24	0	0	0
GA 07144-15LE16	.	.	20 ^T	96.6	57.6	42	04/08	0	0	0
GA 071171-15EL64ES8	.	.	21	96.4	61.0	40	04/01	2	0	1
GA 081113-15EL8	.	.	22	96.2	58.2	37	04/02	0	1	1
LA08115C-30	.	.	24 ^T	95.6	57.6	38	04/01	2	0	1
GA 06283-15LE25	.	.	28	93.3	57.4	39	04/03	4	0	3
GA 061471-15LE38	.	.	30 ^T	90.8	58.1	38	03/31	1	0	3
PGX 15-12	.	.	32	90.0	55.4	39	04/06	1	1	5
LA09011UB-2	.	.	37	88.1	59.6	37	04/02	1	0	0
GA 05450-15EL52	.	.	38	87.7	58.4	37	04/02	0	1	1
GA 08261-15EL7	.	.	40 ^T	87.0	60.7	38	04/02	0	0	2
GA 05450-15LE41	.	.	42	85.6	57.2	36	04/07	0	0	3
LA08090C-9-2	.	.	43	85.1	58.3	38	04/02	4	0	3
EXP 3536	.	.	46	81.7	56.2	44	04/21	0	10	0
SY Viper	.	.	49	77.1	54.6	40	04/10	2	8	2
NC11-22289	.	.	51	71.9	55.3	40	04/07	0	3	1
PGX 15-16	.	.	52	71.7	57.1	39	04/15	0	25	0
NC8170-4-3	.	.	54	69.6	57.0	40	04/14	0	8	0
PGX 15-14	.	.	56	65.4	54.2	38	04/16	0	45	0
OK11754WF	.	.	59	60.6	55.5	36	03/24	5	13	0
USG 3201	.	.	60	60.2	55.7	38	04/15	1	23	0
P 243	.	.	63	52.5	51.7	41	04/13	3	40	0
USG 3013	.	.	65	29.4	49.3	40	04/16	3	20	0
Average	65.2	61.5		85.2 ⁵	56.3	39	04/05	1	9	1
LSD at 10% level	4.8	6.7		8.4	3.9	2	1	2	9	2
Std. Err. of Entry Mean	2.5	2.9		3.6	1.7	1	1	1	4	1

Tifton, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Powdery mildew rating 1 - 10; data collected on March 30, 2016.
3. Leaf rust data collected on May 4, 2016.
4. Fusarium head blight (FHB/Scab) rating 1 - 10; data collected on May 4, 2016.
5. C.V. = 8.4%, and df for EMS = 210.

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

Planted: November 23, 2015.

Harvested: June 1, 2016.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 40 lb N, 100 lb P_2O_5 , and 110 lb K_2O /acre.

Topdress: 100 lb N/acre.

Management: Disked, moldboard plowed, and rototilled; Harmony Extra used for weed control;
1000 lb lime/acre.

Previous Crop: Soybeans.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia: Late-Planted Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data				
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Head
	Average	Average			Wt		
----- bu/acre -----		bu/acre	lb/bu	in	mo/day		
GA 06112-13EE16	60.2	54.6	3	89.8	60.1	35	04/01
SY Cypress	56.2	52.4	4	88.8	58.6	35	04/07
Pioneer 26R94	54.4	49.3	7	84.5	58.5	40	04/07
AGS 2040	.	53.7	6	86.0	60.0	37	04/03
GAJT 141-14E45	.	.	1	92.5	57.8	37	04/06
LA3200E-2	.	.	2	90.1	54.9	36	04/07
AGS 2024	.	.	5	88.7	58.0	38	04/08
AGS 2038	.	.	8	83.4	57.6	44	04/08
AGS 3000	.	.	9	82.8	59.5	36	04/01
Average	56.9	52.5		87.4 ²	58.3	37	04/05
LSD at 10% level	2.8	N.S. ³		N.S.	N.S.	2	1
Std. Err. of Entry Mean	1.1	1.9		3.4	2.0	1	1

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 7.8%, and df for EMS = 24.
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, 2015.

Harvested: May 25, 2016.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 40 lb N, 100 lb P₂O₅, and 110 lb K₂O/acre.

Topdress: 100 lb N/acre.

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

Previous Crop: Soybeans.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data							
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Head Date	Powdery Mildew ²	Leaf Rust ³	Stripe Rust ⁴
	---- bu/acre ----	---- bu/acre ----		bu/acre	lb/bu	in	mo/day	rating	%	rating
Dyna-Gro Savoy	89.4	84.2	1	101.1	58.9	33	03/29	0	0	0
GA 06112-13EE16	85.0	80.3	2	97.4	59.5	35	03/27	0	0	0
AGS 2024	81.4	74.5	10 ^T	86.4	57.4	34	04/02	0	3	0
AGS 2033	79.8	72.4	20	79.4	58.6	36	04/05	0	0	1
LA3200E-2	78.1	72.3	10 ^T	86.4	58.9	36	04/05	0	10	0
Pioneer 26R94	76.1	70.2	16	82.3	58.6	38	04/01	0	13	0
GA 051102-13LE43	75.1	67.2	25 ^T	76.6	58.0	38	04/08	0	0	0
AGS 2040	75.0	70.0	19	79.9	59.6	35	04/01	0	0	0
GA 061349-13LE29	74.8	68.6	29	74.3	54.3	36	04/09	0	0	0
GA 061082-13E24	74.7	66.6	42	69.2	53.6	34	04/06	0	10	0
GA 04434-12LE28	74.0	64.8	39	70.5	52.9	38	04/06	0	10	0
SS 8629	73.9	65.6	32	73.7	52.6	33	04/07	1	10	0
GA 061349-13LE31	73.3	61.7	44	68.8	56.2	37	04/08	0	0	1
Southern Harvest 550	72.8	65.0	34	72.7	52.4	36	04/04	0	0	0
AGS 2038	71.4	63.7	22 ^T	78.5	56.0	41	04/06	0	0	0
Pioneer 26R41	70.8	66.3	43	68.9	57.2	34	04/19	0	5	0
SS 8415	70.1	56.1	54	59.2	53.6	36	04/12	0	10	1
USG 3404	62.2	52.1	57	54.7	53.7	38	04/19	0	10	0
Pioneer 26R10	61.7	50.3	58	54.3	53.0	37	04/19	0	28	0
SS 8360	60.3	48.7	63	39.2	53.6	34	04/20	0	20	0
SY Cypress	60.2	56.6	48	64.5	56.4	32	04/03	0	13	2
P 870	58.6	51.8	62	46.8	52.9	34	04/20	1	8	0
P 357	43.5	29.1	64	26.0	51.2	32	04/20	0	30	0
GA 071012-14E6	.	76.4	9	87.9	59.3	34	03/31	0	20	0
GA 07353-14E19	.	75.6	5	88.9	59.0	36	03/31	0	0	0
GA 051207-14E53	.	70.4	15	82.5	56.4	39	04/07	2	5	1
GAJT 141-14E45	.	70.3	14	82.8	56.5	34	04/06	0	0	0
GA 07192-14E9	.	70.1	12	83.8	55.9	37	04/01	0	0	0
GA 07169-14LE24	.	68.5	24 ^T	76.9	54.0	36	04/07	0	5	0
Hilliard	.	68.1	25 ^T	76.6	57.2	38	04/11	0	0	0
GA 061096-14E3	.	67.6	30	74.1	58.7	36	04/03	0	0	0
VA10W-96	.	65.2	28	74.4	58.9	38	04/11	0	0	0
GA 061158-14LE11	.	62.8	41	70.2	56.4	37	04/07	0	0	1
GA 061086-14LE23	.	62.6	33	72.8	59.7	40	04/09	0	0	0
Pioneer 26R59	.	60.8	53	61.9	53.6	34	04/18	0	6	0
SCTX 98-27A1	.	60.0	47 ^T	66.7	53.0	33	04/03	0	20	0
NC09-20986	.	56.3	50	63.4	59.8	38	04/08	0	10	1
USG 3756	.	51.1	60	53.3	55.1	37	04/14	1	18	2
SS 8530	.	47.8	49	64.2	54.6	36	04/10	0	0	4
W 010025 H2	.	36.9	61	50.3	53.2	38	04/07	0	0	8
GA 081446-15EL47	.	.	3	93.4	59.7	36	03/29	0	1	1
GA 06474-15EL56	.	.	4	89.1	56.3	34	04/01	0	0	0
GA 08535-15LE29	.	.	6	88.8	58.4	38	04/05	0	0	0
GA 081113-15EL8	.	.	7	88.7	57.0	37	04/05	0	0	0
GA 061471-15LE38	.	.	8	88.4	58.7	38	04/05	1	0	0

Plains, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

Brand-Variety	Yield ¹		2016 Data							
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Head Date	Powdery Mildew ²	Leaf Rust ³	Stripe Rust ⁴
	---- bu/acre	---- bu/acre		bu/acre	lb/bu	in	mo/day	rating	%	rating
GA 071171-15EL64ES8	.	.	10 ^T	86.4	60.3	38	04/02	0	5	0
GA 08510-15EL9	.	.	11	86.2	59.5	36	03/28	0	10	0
VA12W-72	.	.	13	82.9	57.3	36	04/08	0	3	0
GA 05450-15EL52	.	.	17	80.9	56.7	35	04/04	0	5	0
GA 08391-15EL19	.	.	18	80.0	54.0	36	04/04	0	0	0
LA08090C-9-2	.	.	21	79.3	58.3	37	04/06	0	0	1
AGS 3000	.	.	22 ^T	78.5	59.3	34	03/26	0	1	0
GA 081104-15EL23	.	.	23	77.8	54.5	36	04/04	0	10	0
PGX 15-12	.	.	24 ^T	76.9	56.9	34	04/07	0	0	0
GA 08261-15EL7	.	.	26	75.8	60.5	38	04/05	0	0	0
GA 07144-15LE16	.	.	27	74.9	57.6	38	04/08	0	0	0
EXP 3536	.	.	31	73.8	57.3	39	04/20	0	8	0
GA 05450-15LE41	.	.	35	72.6	55.9	34	04/07	0	1	0
GA 06283-15LE25	.	.	36	72.0	54.5	35	04/07	1	3	0
SY Viper	.	.	37	71.8	56.7	39	04/10	0	18	0
LA09011UB-2	.	.	38	71.6	59.7	35	04/06	0	3	0
GA 061157-15LE44	.	.	40	70.3	53.2	37	04/06	0	0	0
NC8170-4-3	.	.	45	67.3	59.8	40	04/17	0	0	4
OK11754WF	.	.	46	67.2	55.5	35	03/25	2	10	1
NC11-22289	.	.	47 ^T	66.7	60.0	37	04/11	0	0	3
LA08115C-30	.	.	51	62.4	52.2	34	04/04	0	5	0
PGX 15-14	.	.	52	62.0	55.3	35	04/17	0	15	1
USG 3201	.	.	55	57.0	57.1	35	04/17	0	20	0
PGX 15-16	.	.	56	56.8	57.5	34	04/16	0	20	0
P 243	.	.	59	53.6	55.2	39	04/14	0	13	3
USG 3013	.	.	65	25.4	49.2	37	04/17	0	60	0
Average	71.4	63.2		72.1 ⁵	56.4	36	04/07	0	7	0
LSD at 10% level	3.7	4.6		8.0	1.1	1	1	1	11	1
Std. Err. of Entry Mean	1.9	2.0		3.4	0.5	1	1	1	4	1

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Rating of 1 - 10; data collected on April 27, 2016.
3. Leaf rust data collected on April 27, 2016.
4. Rating of 1 - 10; data collected on April 27, 2016.
5. C.V. = 9.5%, and df for EMS = 210.

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

Planted: November 27, 2015.
 Harvested: May 27, 2016.
 Seeding Rate: 22 seeds per foot in 7" rows.
 Soil Type: Greenville sandy loam.
 Soil Test: P = Medium, K = 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, and rototilled.
 Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average							bu/acre	Wt	in	%	Date
----- bu/acre -----				lb/bu			mo/day	
AGS 2024	85.6	79.9	3	91.9	58.6	35	1	04/05
AGS 2033	84.2	76.6	12 ^T	83.9	59.4	37	0	04/06
SS 8629	83.9	77.6	11	84.3	57.2	34	3	04/09
SS 8415	80.8	70.6	17	81.4	59.5	38	5	04/11
Pioneer 26R41	80.0	73.9	26 ^T	76.1	56.1	37	0	04/21
LA3200E-2	79.8	75.5	20	80.0	58.9	37	4	04/06
Pioneer 26R10	79.0	68.6	30	74.5	55.6	37	1	04/19
AGS 2040	78.3	75.7	29	75.3	59.9	36	0	04/03
Pioneer 26R94	78.2	73.8	18	80.8	59.9	39	0	04/04
Southern Harvest 550	77.3	70.5	23 ^T	77.3	55.3	36	1	04/06
GA 04434-12LE28	77.3	69.4	24	77.0	56.8	39	9	04/06
SS 8360	76.5	62.4	40	57.7	51.5	36	0	04/22
AGS 2038	75.4	69.2	10	85.4	57.5	43	3	04/06
SY Cypress	73.0	69.4	23 ^T	77.3	58.8	35	5	04/01
P 870	68.9	66.8	39	65.2	53.5	35	0	04/21
P 357	58.8	44.6	42	46.5	53.7	34	8	04/20
GA 06112-13EE16	.	79.8	4	88.9	59.9	36	0	03/27
Pioneer 26R59	.	73.7	21	79.8	56.3	34	1	04/18
GA 061349-13LE29	.	71.0	28	75.8	56.1	36	0	04/09
GA 061082-13E24	.	69.1	32	73.8	55.5	34	1	04/06
USG 3404	.	68.3	34	70.6	53.3	39	5	04/21
GA 061349-13LE31	.	66.7	27	76.0	56.8	38	3	04/11
GA 051102-13LE43	.	65.8	31	74.0	57.7	38	3	04/08
SS 8530	.	65.5	16	82.3	58.7	38	1	04/11
USG 3756	.	63.4	36	68.6	58.5	38	1	04/16
GA 051207-14E53	.	.	1	96.3	58.1	39	3	04/07
GA 07353-14E19	.	.	2	94.5	60.0	37	0	04/02
VA10W-96	.	.	5	88.0	59.8	39	3	04/14
AGS 3000	.	.	6	87.3	60.5	35	4	03/28
GA 07169-14LE24	.	.	7	87.2	56.1	37	1	04/07
GA 071012-14E6	.	.	8	86.2	60.0	34	0	04/02
GA 07192-14E9	.	.	9	86.1	56.1	38	0	04/01
SY Viper	.	.	12 ^T	83.9	58.8	39	10	04/12
PGX 15-12	.	.	13	83.4	57.4	36	0	04/11
GAJT 141-14E45	.	.	14	82.9	57.6	36	3	04/06
Hilliard	.	.	15	82.6	57.6	39	0	04/18
PGX 15-14	.	.	19	80.6	56.0	35	4	04/19
GA 061096-14E3	.	.	22	78.2	58.7	37	0	04/04
GA 061086-14LE23	.	.	25	76.5	59.3	41	0	04/08
USG 3201	.	.	26 ^T	76.1	58.8	36	0	04/19

**Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2015-2016
(Continued)**

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2016 Data			Head Date mo/day
	3-Year Average	2-Year Average			Test	Ht	Lodg.	
	----- bu/acre -----				Wt lb/bu	in	%	
P 243	.	.	33	70.7	59.1	40	4	04/17
EXP 3536	.	.	35	68.7	54.3	39	1	04/23
GA 061158-14LE11	.	.	37	68.4	58	37	0	04/07
PGX 15-16	.	.	38	67.0	59.1	35	0	04/18
USG 3013	.	.	41	52.2	54.8	38	9	04/19
Average	77.3	69.9		77.8 ²	57.4	37	2	04/10
LSD at 10% level	4.2	5.7		10.5	1.3	2	3	1
Std. Err. of Entry Mean	1.8	2.4		4.5	0.5	1	1	1

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

2. C.V. = 11.5%, and df for EMS = 132.

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

Planted: November 27, 2015.

Harvested: May 27, 2016.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = 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, and rototilled; Presario use for fungal control.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Plains, Georgia:
Effect of Fungicide on Wheat Grain Yield, 2015-2016

Brand-Variety	Yield ¹		Difference with Fungicide bu/acre	Change with Fungicide %	Powdery Mildew ⁴ rating	Leaf Rust ⁴ %	Stripe Rust ⁴ rating
	no fungicide ² ----- bu/acre -----	fungicide ³					
GA 06112-13EE16	97.4	88.9	-8.5	-8.7	0	0	0
GA 07353-14E19	88.9	94.5	5.6	6.3	0	0	0
GA 071012-14E6	87.9	86.2	-1.7	-1.9	0	20	0
AGS 2024	86.4	91.9	5.5	6.3	0	3	0
LA3200E-2	86.4	80.0	-6.4	-7.4	0	10	0
GA 07192-14E9	83.8	86.1	2.3	2.7	0	0	0
GAJT 141-14E45	82.8	82.9	0.1	0.1	0	0	0
GA 051207-14E53	82.5	96.3	13.7	16.7	2	5	1
Pioneer 26R94	82.3	80.8	-1.5	-1.8	0	13	0
AGS 2040	79.9	75.3	-4.6	-5.8	0	0	0
AGS 2033	79.4	83.9	4.6	5.8	0	0	1
AGS 2038	78.5	85.4	6.9	8.8	0	0	0
AGS 3000	78.5	87.3	8.9	11.3	0	1	0
GA 07169-14LE24	76.9	87.2	10.2	13.3	0	5	0
PGX 15-12	76.9	83.4	6.6	8.5	0	0	0
Hilliard	76.6	82.6	5.9	7.7	0	0	0
GA 051102-13LE43	76.6	74.0	-2.5	-3.3	0	0	0
VA10W-96	74.4	88.0	13.6	18.2	0	0	0
GA 061349-13LE29	74.3	75.8	1.5	2.0	0	0	0
GA 061096-14E3	74.1	78.2	4.1	5.5	0	0	0
EXP 3536	73.8	68.7	-5.1	-6.9	0	8	0
SS 8629	73.7	84.3	10.6	14.5	1	10	0
GA 061086-14LE23	72.8	76.5	3.7	5.1	0	0	0
Southern Harvest 550	72.7	77.3	4.6	6.3	0	0	0
SY Viper	71.8	83.9	12.1	16.8	0	18	0
GA 04434-12LE28	70.5	77.0	6.4	9.1	0	10	0
GA 061158-14LE11	70.2	68.4	-1.8	-2.6	0	0	1
GA 061082-13E24	69.2	73.8	4.5	6.6	0	10	0
Pioneer 26R41	68.9	76.1	7.1	10.4	0	5	0
GA 061349-13LE31	68.8	76.0	7.2	10.4	0	0	1
SY Cypress	64.5	77.3	12.8	19.8	0	13	2
SS 8530	64.2	82.3	18.2	28.3	0	0	4
PGX 15-14	62.0	80.6	18.6	30.0	0	15	1
USG 26R59	61.9	79.8	17.9	29.0	0	6	0
SS 8415	59.2	81.4	22.2	37.4	0	10	1
USG 3201	57.0	76.1	19.1	33.5	0	20	0
PGX 15-16	56.8	67.0	10.2	17.9	0	20	0
USG 3404	54.7	70.6	16	29.2	0	10	0
Pioneer 26R10	54.3	74.5	20.3	37.3	0	28	0
P 243	53.6	70.7	17	31.7	0	13	3

Plains, Georgia:
Effect of Fungicide on Wheat Grain Yield, 2015-2016
(Continued)

Brand-Variety	Yield ¹		Difference with Fungicide bu/acre	Change with Fungicide %	Powdery Mildew ⁴ %	Leaf Rust ⁴ %	Stripe Rust ⁴ %
	no fungicide ² ----- bu/acre	fungicide ³ ----- bu/acre					
USG 3756	53.3	68.6	15.3	28.7	1	18	2
P 870	46.8	65.2	18.3	39.2	1	8	0
SS 8360	39.2	57.7	18.5	47.1	0	20	0
P 357	26.0	46.5	20.4	78.5	0	30	0
USG 3013	25.4	52.2	26.8	105.4	0	60	0
Average	69.2	77.8	8.6	16.6	0	9	1
LSD at 10% level	8.0	10.5	12.7	21.0		-	-
Std. Err. of Entry Mean	3.4	4.5	5.4	9.0		-	-

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

2. Yield data of wheat plots untreated with fungicide.

3. Presario fungicide applied to control fungal diseases.

4. Disease data of wheat plots untreated with fungicide.

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

Plains, Georgia: Late-Planted Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average		bu/acre	Wt				in	%	mo/day
----- bu/acre -----				lb/bu				
GA 06112-13EE16	74.4	73.6	2	84.3	62.5	33	0	04/01
Pioneer 26R94	63.6	59.1	4	79.6	56.7	41	3	04/08
SY Cypress	54.3	51.7	9	61.2	56.6	34	9	04/06
AGS 2040	.	66.3	8	74.0	60.3	35	4	04/04
GAJT 141-14E45	.	.	1	85.5	58.1	36	4	04/06
AGS 2038	.	.	3	81.0	56.3	43	4	04/09
AGS 3000	.	.	5	79.0	59.7	36	3	04/04
AGS 2024	.	.	6	78.7	57.6	35	3	04/12
LA3200E-2	.	.	7	75.0	57.9	36	3	04/06
Average	64.1	62.6		77.6	58.4 ²	36	3	04/06
LSD at 10% level	4.0	N.S. ³		6.8	1.6	1	3	1
Std. Err. of Entry Mean	1.6	1.9		2.8	0.7	1	1	1

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 7.2%, and df for EMS = 24.
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, 2015.

Harvested: May 27, 2016.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = 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, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

**Plains, Georgia:
Late-Planted Wheat Grain Performance
with Foliar Fungicide, 2015-2016**

Brand-Variety	Yield ¹		2016 Data					
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test			Head Date mo/day
	----- bu/acre	----- bu/acre			Wt lb/bu	Ht in	Lodg. %	
GA 06112-13EE16	80.6	79.2	1	97.8	62.8	36	1	04/02
Pioneer 26R94	66.9	60.9	6	83.6	58.7	40	3	04/08
SY Cypress	64.8	60.4	9	70.7	60.1	35	8	04/07
AGS 2040	.	69.7	8	77.9	61.2	36	0	04/05
AGS 3000	.	.	2	94.1	61.5	36	1	04/04
GAJT 141-14E45	.	.	3	88.1	59.5	36	4	04/07
LA3200E-2	.	.	4	87.8	62.5	37	0	04/07
AGS 2038	.	.	5	83.8	57.9	43	3	04/11
AGS 2024	.	.	7	81.1	59.7	36	1	04/13
Average	70.8	67.5		85.0 ²	60.4	37	2	04/07
LSD at 10% level	N.S. ³	N.S.		9.3	2.3	1	3	1
Std. Err. of Entry Mean	2.2	2.3		3.8	1.0	1	1	1

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

2. C.V. = 9.0%, and df for EMS = 24.

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, 2015.

Harvested: May 27, 2016.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = 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, and rototilled; Presario used for fungal control.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

**Plains, Georgia:
Effect of Fungicide on Late-Planted Wheat Grain Yield,
2015-2016**

Brand-Variety	Yield ¹		Difference with fungicide bu/acre	Change with fungicide %
	no fungicide ² ----- bu/acre -----	fungicide ³		
GAJT 141-14E45	85.5	88.1	2.7	3.1
GA 06112-13EE16	84.3	97.8	13.5	16.0
AGS 2038	81.0	83.8	2.8	3.5
Pioneer 26R94	79.6	83.6	4.0	5.0
AGS 3000	79.0	94.1	15.1	19.1
AGS 2024	78.7	81.1	2.3	3.0
LA3200E-2	75.0	87.8	12.8	17.0
AGS 2040	74.0	77.9	3.9	5.3
SY Cypress	61.2	70.7	9.5	15.4
Average	77.6	85.0	7.4	9.7
LSD at 10% level	6.8	9.3	N.S. ⁴	N.S.
Std. Err. of Entry Mean	2.8	3.8	5.6	7.4

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Yield data of wheat plots untreated with fungicide.
3. Presario fungicide applied to control fungal diseases.
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).

Midville, Georgia: Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average							Wt	in	%	Date
----- bu/acre -----		bu/acre		lb/bu	in	%	mo/day	
Dyna-Gro Savoy	88.4	88.4	1	113.6	59.3	34	51	04/01
Southern Harvest 550	81.0	75.6	7	94.9	57.9	38	4	04/06
GA 06112-13EE16	75.7	69.3	32	81.6	59.1	34	8	04/02
GA 061349-13LE29	74.8	71.4	37	80.2	54.1	36	36	04/11
AGS 2038	74.6	75.5	2	103.7	58.0	43	20	04/06
GA 061349-13LE31	74.1	69.0	50	74.0	56.9	37	30	04/09
AGS 2033	73.8	74.3	12	89.6	58.5	37	26	04/06
AGS 2040	71.2	63.8	56	71.3	56.8	36	36	04/05
Pioneer 26R10	70.9	63.1	63	69.1	52.8	36	28	04/18
GA 061082-13E24	70.8	67.8	40	78.9	54.9	33	31	04/07
SY Cypress	70.5	64.7	58	71.1	57.2	33	18	04/05
Pioneer 26R41	70.1	64.7	60	70.5	54.5	35	39	04/18
AGS 2024	69.7	64.2	43	77.3	55.6	35	31	04/06
GA 051102-13LE43	69.6	68.4	45	76.8	58.1	38	24	04/09
Pioneer 26R94	69.3	64.3	52 ^T	73.8	57.2	37	23	04/03
LA3200E-2	69.3	63.8	57	71.2	55.8	36	25	04/06
GA 04434-12LE28	65.2	59.4	68	66.8	55.1	36	49	04/08
SS 8415	65.1	55.8	69	63.0	51.1	37	84	04/12
SS 8629	65.0	62.2	55	71.7	52.5	33	60	04/11
P 870	61.7	51.1	73	53.3	52.1	33	75	04/17
SS 8360	60.1	49.9	78	45.6	50.3	35	28	04/20
USG 3404	57.1	49.2	77	48.0	51.9	36	81	04/19
P 357	53.8	52.1	76	48.7	50.0	35	85	04/16
GA 051207-14E53	.	79.1	4	98.0	56.5	39	9	04/08
GA 061158-14LE11	.	73.4	10	92.0	57.9	40	5	04/11
GA 061096-14E3	.	72.5	16	88.0	59.1	39	9	04/06
GA 07192-14E9	.	72.3	11	90.8	57.2	39	13	04/04
GA 071012-14E6	.	68.4	19	85.0	58.3	35	9	04/05
SCTX 98-27A1	.	67.9	36	80.7	53.3	34	24	04/07
SS 8530	.	67.9	41	78.3	54.1	39	51	04/12
GA 07353-14E19	.	67.6	42	77.9	56.3	35	31	04/05
W 010025 H2	.	63.9	46	76.0	55.3	39	31	04/08
GAJT 141-14E45	.	63.4	54	72.2	51.9	35	64	04/07
Pioneer 26R59	.	63.3	62	69.3	52.6	33	30	04/19
Hilliard	.	62.9	48	74.9	54.5	37	14	04/11
NC09-20986	.	62.6	52 ^T	73.8	57.4	38	11	04/08
USG 3756	.	62.3	66	68.4	56.0	39	64	04/15
VA10W-96	.	61.0	72	61.3	54.7	37	70	04/12
GA 061086-14LE23	.	59.9	67	67.4	58.0	39	10	04/11
GA 07169-14LE24	.	58.7	64	68.9	52.3	36	60	04/09
GA 08535-15LE29	.	.	3	98.5	58.1	38	11	04/07
VA12W-72	.	.	5	95.6	55.4	36	10	04/10
GA 081446-15EL47	.	.	6	95.1	58.8	35	25	03/31
GA 05450-15LE41	.	.	8	94.0	58.1	37	15	04/08
GA 06474-15EL56	.	.	9	92.4	56.3	37	44	04/03

Midville, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average			Wt			
----- bu/acre -----		bu/acre	lb/bu	in	%	mo/day		
GA 061471-15LE38	.	.	13	88.8	56.7	37	34	04/05
AGS 3000	.	.	14	88.6	59.6	36	34	03/30
PGX 15-14	.	.	15	88.2	53.4	36	55	04/18
GA 06283-15LE25	.	.	17	87.5	56.2	36	50	04/09
EXP 3536	.	.	18	85.1	54.7	40	31	04/19
GA 071171-15EL64ES8	.	.	30	83.4	61.2	37	19	04/05
LA09011UB-2	.	.	31 ^T	81.9	58.1	35	41	04/07
OK11754WF	.	.	31 ^T	81.9	58.4	38	13	03/28
GA 081104-15EL23	.	.	33	81.5	54.2	36	25	04/05
GA 061157-15LE44	.	.	34	81.3	55.2	36	30	04/05
LA08115C-30	.	.	35	81.2	57.3	35	23	04/05
GA 05450-15EL52	.	.	38	80.0	57.4	36	11	04/07
GA 08261-15EL7	.	.	39	79.9	59.3	40	21	04/07
GA 08510-15EL9	.	.	44	77.0	58.3	35	31	03/30
LA08090C-9-2	.	.	47	75.2	56.2	36	34	04/09
GA 08391-15EL19	.	.	49	74.4	53.4	36	36	04/08
GA 07144-15LE16	.	.	51	73.9	55.8	38	45	04/11
PGX 15-16	.	.	53	73.0	57.2	36	79	04/17
P 243	.	.	59	71.0	56.6	40	73	04/15
GA 081113-15EL8	.	.	61	69.8	54.2	34	53	04/06
SY Viper	.	.	65	68.8	55.6	38	75	04/11
PGX 15-12	.	.	70	62.6	53.7	35	18	04/10
USG 3201	.	.	71	62.5	54.4	35	50	04/17
NC8170-4-3	.	.	74	52.9	53.6	38	88	04/15
NC11-22289	.	.	75	50.2	52.4	35	63	04/07
USG 3013	.	.	79	35.4	49.0	36	86	04/17
Average	69.6	65.4		76.5 ²	55.7	36	37	04/08
LSD at 10% level	9.0	N.S. ³		19	2.8	2	24	-
Std. Err. of Entry Mean	3.9	4.8		8.1	1.2	1	10	-

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

2. C.V. = 21.2%, and df for EMS = 210.

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 24, 2015.

Harvested: June 1, 2016.

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

Soil Type: Dothan sandy loam.

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

Fertilization: Preplant: 37 lb N, 119 lb P₂O₅, and 70 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Subsoiled, field cultivated, and rototilled; Harmony and Express used for weed control; 1000 lb/acre lime.

Previous Crop: Fallow.

Test conducted by D. Dunn, R. Brooke, G. South, and B. McCranie.

Midville, Georgia: Late-Planted Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average							Wt	in	%	Date
----- bu/acre -----			bu/acre	lb/bu				mo/day
SY Cypress	72.3	74.5	1	82.5	56.8	35	48	04/08
GA 06112-13EE16	72.3	72.6	6	79.2	58.2	35	20	04/05
Pioneer 26R94	71.1	72.2	4	80.4	56.3	40	50	04/11
AGS 2040	.	73.6	2 ^T	81.2	58.2	37	17	04/06
AGS 2038	.	.	2 ^T	81.2	51.2	43	55	04/12
AGS 3000	.	.	3	80.8	55.8	36	30	04/06
GAJT 141-14E45	.	.	5	79.8	54.6	37	33	04/08
AGS 2024	.	.	7	71.8	52	33	55	04/12
LA3200E-2	.	.	8	65.9	55.5	36	43	04/09
Average	71.9	73.2		78.1 ²	55.4	37	39	04/08
LSD at 10% level	N.S. ²	N.S.		N.S.	3.2	2	N.S.	-
Std. Err. of Entry Mean	2.1	2.1		5.4	1.1	1	9	-

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

2. C.V. = 13.9%, and df for EMS = 16.

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 11, 2015.

Harvested: June 1, 2016.

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

Soil Type: Dothan sandy loam.

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

Fertilization: Preplant: 37 lb N, 119 lb P₂O₅, and 70 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Subsoiled, field cultivated, and rototilled; Harmony and Express used for weed control; 1000 lb/acre lime.

Previous Crop: Fallow.

Test conducted by D. Dunn, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Lodg. %	Head Date mo/day	Leaf Rust ² %
	----- bu/acre -----								
Pioneer 26R41	100.0	91.2	15	83.4	60.2	35	0	04/16	0
Dyna-Gro Savoy	97.6	89.8	1	102.9	62.8	33	5	03/24	20
Dyna-Gro 9171	96.9	82.8	45	70.2	58.0	33	0	04/14	30
P 870	96.5	83.7	47	69.3	59.1	35	0	04/16	0
AGS 2024	95.6	87.0	12 ^T	83.9	59.7	36	8	03/31	5
Pioneer 26R10	94.3	83.7	40	71.2	59.0	35	0	04/17	30
GA 06112-13EE16	91.3	81.0	30 ^T	74.7	63.5	33	3	03/21	0
SS 8415	90.7	78.9	39	71.4	58.3	36	15	04/14	0
AGS 2033	90.7	76.0	25	77.0	60.9	36	3	03/31	0
USG 3404	89.9	74.3	49	69.0	58.2	36	0	04/21	0
GA 061349-13LE29	89.4	75.5	44	70.3	59.7	36	10	04/11	0
Southern Harvest 550	88.9	78.6	46	70.0	54.7	35	0	03/30	0
GA 061349-13LE31	88.1	74.4	41	71.1	59.7	35	3	04/08	10
GA 04434-12LE28	87.1	75.4	19	79.2	59.9	37	0	04/06	0
SS 8360	86.6	71.8	65	54.6	49.3	36	0	04/22	0
GA 051102-13LE43	86.5	69.9	37	72.2	59.0	38	10	04/07	0
LA3200E-2	86.4	76.3	17	79.7	63.6	37	0	03/29	5
AGS 2038	85.2	72.7	29	74.9	61.6	41	0	04/05	25
AGS 2040	85.0	74.1	21	78.5	58.6	35	0	03/26	25
GA 061082-13E24	84.5	73.2	16	82.6	59.6	34	5	03/30	25
P 357	83.6	69.3	62	60.3	57.5	35	0	04/18	0
SS 8629	81.6	69.8	30 ^T	74.7	59.2	34	0	04/08	0
Pioneer 26R94	81.6	69.7	50	68.8	60.5	36	0	03/29	0
Roberts	69.0	59.4	8	85.9	59.3	37	43	04/09	0
GA-Gore	66.2	55.8	60	62.8	56.7	38	15	04/07	5
Pioneer 26R59	.	96.8	6 ^T	87.5	59.6	35	0	04/15	10
AR01040-4-1	.	86.9	12 ^T	83.9	57.4	38	3	03/30	25
Dyna-Gro 9522	.	85.8	26	76.4	58.5	37	0	04/17	0
GA 061158-14LE11	.	85.3	20 ^T	79.0	60.5	39	0	04/06	0
Hilliard	.	84.0	7	86.1	60.6	39	0	04/12	10
AgriMAXX 446	.	78.8	58	63.2	60.6	35	0	04/20	1
GA 071012-14E6	.	77.6	31	74.4	59.4	30	5	03/28	0
GA 051207-14E53	.	75.2	28	75.3	59.0	35	0	04/03	18
GA 07192-14E9	.	74.6	56	66.3	60.4	33	0	03/30	25
GA 061086-14LE23	.	71.9	52	68.1	68.9	39	18	04/07	5
GAJT 141-14E45	.	71.0	54	67.2	59.7	34	0	04/02	0
ARGA04510-11LE24	.	69.5	53	67.8	56.0	36	5	04/11	0
SCTX 98-27A1	.	69.2	6 ^T	87.5	65.5	33	0	03/30	0
SS 8530	.	68.3	42 ^T	71.0	61.4	37	3	04/10	0
GA 07169-14LE24	.	67.2	32	74.0	57.7	36	0	04/08	0

Griffin, Georgia:
Wheat Grain Performance, 2015-2016 (Continued)

Brand-Variety	Yield ¹		2016 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Lodg. %	Head Date mo/day	Leaf Rust ² %
	----- bu/acre	----- bu/acre							
NC09-20986	.	61.1	55	66.4	60.6	40	5	04/09	0
W 010025 H2	.	49.5	64	56.6	53.1	35	3	04/07	18
GA 081104-15EL23	.	.	2	92.8	63.2	36	10	03/26	25
GA 081446-15EL47	.	.	3	89.4	61.4	36	5	03/26	0
GA 061157-15LE44	.	.	4	88.8	61.4	38	0	03/06	0
PGX 15-14	.	.	5 ^T	87.7	58.6	36	0	04/14	0
GA 08510-15EL9	.	.	5 ^T	87.7	58.8	36	0	03/26	0
AgriMAXX Exp 1674	.	.	9	85.7	58.8	35	5	04/14	0
GA 06283-15LE25	.	.	10	84.9	62.4	37	0	03/31	25
WX15781	.	.	11	84.8	63.5	40	0	04/16	25
LA08115C-30	.	.	13	83.6	58.1	35	3	03/26	20
GA 081113-15EL8	.	.	14	83.5	61.0	37	3	04/04	0
VA12W-72	.	.	18	79.4	59.6	36	0	04/10	25
Dyna-Gro 9642	.	.	20 ^T	79.0	61.8	37	5	04/20	0
GA 07144-15LE16	.	.	22	77.8	61.0	39	5	04/09	0
GA 08391-15EL19	.	.	23	77.7	61.0	34	10	03/31	5
GA 05450-15LE41	.	.	24	77.4	61.3	33	3	04/08	20
EXP 3536	.	.	27	76.3	59.1	38	0	04/16	25
USG 3201	.	.	33 ^T	73.0	61.6	37	0	04/16	0
GA 061471-15LE38	.	.	33 ^T	73.0	62.9	35	0	03/30	0
USG 3756	.	.	34	72.9	60.8	39	5	04/16	0
PGX 15-16	.	.	35	72.7	60.7	37	3	04/18	20
GA 061096-14E3	.	.	36 ^T	72.3	59.3	35	0	03/29	30
GA 071171-15EL64ES8	.	.	36 ^T	72.3	60.5	35	5	03/29	1
AGS 3000	.	.	38	72.0	59.4	32	0	03/24	0
NC11-22289	.	.	42 ^T	71.0	60.6	38	8	04/10	15
LA09011UB-2	.	.	43	70.9	65.1	35	8	04/04	0
NC8170-4-3	.	.	48	69.1	59.3	40	18	04/14	0
SY Viper	.	.	51	68.4	58.0	38	0	04/14	0
AgriMAXX 415	.	.	57	64.7	61.1	35	0	04/17	20
P 243	.	.	59	63.1	58.6	37	3	04/16	15
GA 05450-15EL52	.	.	61	62.4	60.0	34	0	04/03	5
USG 3013	.	.	63	60.1	57.0	38	5	04/19	0
Average	87.7	75.3		75.1 ³	59.9	36	4	04/07	16
LSD at 10% level	7.9	N.S. ⁴		12.9	N.S.	2	N.S.	2	N.S.
Std. Err. of Entry Mean	3.4	4.4		5.5	2.1	1	4	1	4

Griffin, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Leaf rust data collected on May 10, 2016.
3. C.V. = 10.3%, and df for EMS = 72.
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 31, 2015.

Harvested: May 31, 2016.

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

Soil Type: Cecil sandy clay.

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

Fertilization: Preplant: 20 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Corn.

Calhoun, Georgia: Wheat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Head Date	Leaf Rust	Powdery Mildew
	---- bu/acre ----	---- bu/acre ----		bu/acre	lb/bu	in	mo/day	---- rating ² ----	
Southern Harvest 550	91.3	91.1	2	106.3	57.4	38	04/12	0	0
Dyna-Gro Savoy	88.2	85.8	4	103.9	56.9	37	04/30	0	0
GA 04434-12LE28	85.3	89.5	5 ^T	103.7	56.5	38	04/11	1.6	0
USG 3404	84.4	87.2	54	82.3	55.2	37	04/23	3	3
GA 051102-13LE43	83.1	82.7	38 ^T	88.3	56.9	37	04/18	0	0
GA 061349-13LE29	83.1	82.6	31 ^T	90.8	56.3	33	04/18	0	2
Pioneer 26R10	82.8	84.2	61	78.5	56.7	35	04/21	4	3
SS 8629	81.8	86.4	19	95.4	55.7	39	04/14	2	0
Dyna-Gro 9171	81.0	79.4	41	86.5	54.8	34	04/19	0.6	2
Pioneer 26R41	79.8	79.1	51	82.8	56.9	36	04/21	0.6	3
AGS 2024	79.3	83.0	22	94.6	58.5	37	04/14	0	0
P 870	78.5	81.6	52	82.7	54.4	36	04/20	2	2
AGS 2033	78.2	80.9	3	104.2	56.7	38	04/12	0	0
GA 061349-13LE31	77.9	82.8	33	90.2	56.9	36	04/17	0	2
GA 06112-13EE16	76.9	77.5	29 ^T	92.3	58.0	36	04/04	0	0
SS 8360	76.1	72.7	66	70.2	55.5	35	04/23	2.5	3
GA 061082-13E24	75.4	72.5	37	88.4	56.7	36	04/12	1.1	1
SS 8415	75.0	75.0	49	83.6	55.5	38	04/16	3	0
AGS 2038	73.0	82.5	10	99.2	58.2	41	04/14	0	2
Pioneer 26R94	72.7	77.1	45	84.1	57.7	38	04/13	0	0
AGS 2040	69.5	67.7	62	78.2	56.6	39	04/07	0	1
LA3200E-2	69.3	68.9	57	80.6	57.7	38	04/11	0.6	0
Roberts	65.4	71.5	38 ^T	88.3	56.5	38	04/15	0.1	1
P 357	64.3	71.3	65	70.8	53.4	35	04/21	4	2
GA-Gore	61.4	64.3	59	79.0	55.1	39	04/14	0	1
VA10W-96	.	90.5	12	98.6	57.7	39	04/14	0	0
Hilliard	.	88.5	40	87.2	56.6	36	04/18	0.1	0
GA 07192-14E9	.	88.4	24	94.3	57.4	40	04/14	0	2
SS 8530	.	87.5	32 ^T	90.6	54.9	39	04/19	0	0
GA 071012-14E6	.	87.3	23	94.5	60.6	38	04/15	0.6	1
ARGA04510-11LE24	.	84.3	50	83.0	56.0	37	04/17	0	3
Pioneer 26R59	.	83.0	56	80.7	55.9	32	04/21	2	2
Dyna-Gro 9522	.	82.6	58 ^T	79.5	55.1	37	04/22	2	3
GA 061086-14LE23	.	81.6	28	93.5	58.9	39	04/17	0	2
AgriMAXX 446	.	80.8	63 ^T	77.6	56.8	38	04/22	3	3
GA 07353-14E19	.	80.3	36	89.7	58.2	38	04/11	0	1
AR01040-4-1	.	79.5	44	85.1	57.5	43	04/14	0	1
GA 07169-14LE24	.	78.6	35 ^T	89.9	54.6	36	04/16	0	0
GA 051207-14E53	.	78.4	53	82.4	57.5	37	04/14	0	4
GAJT 141-14E45	.	78.3	17	96.5	55.4	35	04/15	0	0

Calhoun, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

Brand-Variety	Yield ¹		2016 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Head Date	Leaf Rust	Powdery Mildew
	--- bu/acre ---			bu/acre	lb/bu	in	mo/day	---- rating ² ----	
GA 061158-14LE11	.	76.4	58 ^T	79.5	57.5	37	04/19	0	0
W 010025 H2	.	73.9	47	83.8	55.8	38	04/14	0.1	1
NC09-20986	.	66.7	63 ^T	77.6	56.7	39	04/14	1.1	0
SCTX 98-27A1	.	66.6	35 ^T	89.9	55.5	35	04/08	0.1	2
GA 061096-14E3	.	63.7	67	70.0	56.4	37	04/12	0	2
GA 08391-15EL19	.	.	1	106.5	58.1	38	04/15	0.1	1
SY Viper	.	.	5 ^T	103.7	56.3	39	04/18	0.1	3
PGX 15-12	.	.	6	101.2	57.8	38	04/16	0	1
GA 06474-15EL56	.	.	7	100.9	55.5	37	04/10	0	0
PGX 15-16	.	.	8	99.4	58.5	36	04/20	0.1	1
GA 061157-15LE44	.	.	9	99.3	56.9	37	04/13	0	0
LA08115C-30	.	.	11	98.8	57.3	38	04/09	1.6	1
GA 081446-15EL47	.	.	13	97.9	57.7	38	04/10	0	0
GA 08535-15LE29	.	.	14	97.0	57.3	39	04/13	0	1
GA 05450-15EL52	.	.	15	96.7	57.7	38	04/09	0	1
EXP 3536	.	.	16	96.6	56.6	38	04/21	0	1
WX15781	.	.	18	96.0	57.2	37	04/22	0	0
GA 08261-15EL7	.	.	20	95.2	59.1	40	04/13	0	2
GA 081104-15EL23	.	.	21	94.9	55.5	39	04/10	0	0
GA 06283-15LE25	.	.	25 ^T	94.2	58.8	38	04/13	0	2
GA 05450-15LE41	.	.	25 ^T	94.2	57.2	37	04/14	0	0
GA 071171-15EL64ES8	.	.	26	94.1	58.8	40	04/10	0	1
LA09011UB-2	.	.	27	93.8	57.8	36	04/11	0	0
GA 08510-15EL9	.	.	29 ^T	92.3	57.7	40	04/09	0	0
GA 07144-15LE16	.	.	30	91.1	57.2	37	04/16	0	0
PGX 15-14	.	.	31 ^T	90.8	53.9	35	04/20	2.5	2
GA 081113-15EL8	.	.	32 ^T	90.6	56.8	39	04/11	0	2
VA12W-72	.	.	34	90.1	55.9	36	04/14	0	0
NC8170-4-3	.	.	35 ^T	89.9	58.1	40	04/21	0	0
P 243	.	.	39 ^T	87.7	56.0	41	04/18	0	2
GA 061471-15LE38	.	.	39 ^T	87.7	58.4	40	04/15	0	1
USG 3201	.	.	42	86.1	58.0	34	04/21	2	4
AgriMAXX Exp 1674	.	.	43	85.2	54.7	33	04/21	2	1
USG 3756	.	.	46 ^T	83.9	56.3	40	04/19	0.1	3
Dyna-Gro 9642	.	.	46 ^T	83.9	55.0	36	04/19	1.5	1
AgriMAXX 415	.	.	48	83.7	56.8	37	04/21	1.6	3
AGS 3000	.	.	55	81.0	58.1	37	04/07	0	0
LA08090C-9-2	.	.	58 ^T	79.5	58.2	37	04/17	0	2
NC11-22289	.	.	60	78.8	57.8	37	04/16	0	0
OK11754WF	.	.	64	74.4	55.8	36	04/05	0	3
USG 3013	.	.	68	60.2	54.2	37	04/22	3.5	3
Average	77.3	79.4		89.0 ³	56.8	37	04/15	0.6	1
LSD at 10% level	5.5	N.S. ⁴		8.2	1.4	2	5	0.9	1
Std. Err. of Entry Mean	2.3	2.7		3.5	0.6	1	2	0.4	1

Calhoun, Georgia: Wheat Grain Performance, 2015-2016 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Rating of 1 - 10; data collected on May 5, 2016.
3. C.V. = 7.9%, and df for EMS = 240.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

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

Planted: November 17, 2015.

Harvested: June 7, 2016.

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

Soil Type: Waynesboro loam.

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

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Topdress: 70 lb N/acre.

Management: Chisel plowed, disked, and rototilled; Harmony Extra and Prowl H₂O used for weed control;
1.5 ton lime/acre.

Previous Crop: Fallow.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and T. Dunn.

Summary of Wheat Yields: Georgia, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	-----bu/acre-----								
AgriMAXX 415	.	.	.	.	.	74.2	.	.	.
AgriMAXX 446	.	.	.	.	79.8	70.4	.	.	.
AgriMAXX Exp 1674	.	.	.	.	.	85.4	.	.	.
AGS 2024	75.5	71.5	90.0	87.4	85.0	89.2	80.3	76.9	89.7
AGS 2033	76.3	73.7	89.4	84.5	78.4	90.6	79.6	75.6	89.8
AGS 2038	68.8	65.5	90.9	79.1	77.6	87.0	72.9	70.3	89.3
AGS 2040	73.0	68.1	82.3	77.3	70.9	78.3	74.7	69.2	80.7
AGS 3000	.	.	88.4	.	.	76.5	.	.	83.6
AR01040-4-1	.	.	.	.	83.2	84.5	.	.	.
ARGA04510-11LE24	.	.	.	.	76.9	75.4	.	.	.
Dyna-Gro 9171	.	.	.	88.9	81.1	78.3	.	.	.
Dyna-Gro 9522	.	.	.	.	84.2	77.9	.	.	.
Dyna-Gro 9642	.	.	.	.	.	81.4	.	.	.
Dyna-Gro Savoy	85.9	83.2	106.5	92.9	87.8	103.4	88.7	85.0	105.3
EXP 3536	.	.	80.2	.	.	86.4	.	.	82.7
EXP 3756	.	53.8	61.5	.	.	78.4	.	.	68.3
GA 04434-12LE28	72.0	66.0	77.6	86.2	82.5	91.4	77.7	72.6	83.1
GA 051102-13LE43	71.4	67.5	82.8	84.8	76.3	80.2	76.8	71.0	81.8
GA 051207-14E53	.	71.4	89.9	.	76.8	78.8	.	73.6	85.4
GA 05450-15EL52	.	.	82.8	.	.	79.5	.	.	81.5
GA 05450-15LE41	.	.	84.1	.	.	85.8	.	.	84.8
GA 061082-13E24	70.8	65.3	77.4	80.0	72.9	85.5	74.5	68.3	80.6
GA 061086-14LE23	.	60.1	75.8	.	76.8	80.8	.	66.7	77.8
GA 061096-14E3	.	70.4	84.0	.	68.5	71.1	.	69.6	78.9
GA 06112-13EE16	77.7	72.3	90.2	84.1	79.3	83.5	80.3	75.1	87.5
GA 061157-15LE44	.	.	83.4	.	.	94.1	.	.	87.6
GA 061158-14LE11	.	67.8	86.2	.	80.8	79.2	.	73.0	83.4
GA 061349-13LE29	73.2	69.2	80.3	86.2	79.1	80.6	78.4	73.2	80.4
GA 061349-13LE31	73.9	68.3	80.3	83.0	78.6	80.6	77.5	72.4	80.5
GA 061471-15LE38	.	.	89.3	.	.	80.3	.	.	85.7
GA 06283-15LE25	.	.	84.3	.	.	89.6	.	.	86.4
GA 06474-15EL56	.	.	93.2	.	.	.	.	.	.
GA 071012-14E6	.	70.8	88.9	.	82.4	84.4	.	75.4	87.1
GA 071171-15EL64ES8	.	.	88.7	.	.	83.2	.	.	86.5
GA 07144-15LE16	.	.	81.8	.	.	84.4	.	.	82.9
GA 07169-14LE24	.	64.6	82.9	.	72.9	81.9	.	67.9	82.5
GA 07192-14E9	.	70.9	90.7	.	81.5	80.3	.	75.1	86.5
GA 07353-14E19	.	72.4	90.9	.	.	.	.	.	.
GA 081104-15EL23	.	.	86.1	.	.	93.8	.	.	89.2
GA 081113-15EL8	.	.	84.9	.	.	87.0	.	.	85.7
GA 081446-15EL47	.	.	96.5	.	.	93.6	.	.	95.3
GA 08261-15EL7	.	.	80.9	.	.	.	.	.	.
GA 08391-15EL19	.	.	86.9	.	.	92.1	.	.	89.0
GA 08510-15EL9	.	.	86.8	.	.	90.0	.	.	88.1
GA 08535-15LE29	.	.	99.6	.	.	.	.	.	.

Summary of Wheat Yields: Georgia, 2015-2016 with Two- and Three-Year Averages (Continued)

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	-----bu/acre-----								
GA-Gore	.	.	.	63.8	60	70.9	.	.	.
GAJT 141-14E45	.	67.1	83.6	.	74.6	81.9	.	70.1	82.9
Hilliard	.	66.5	83.1	.	86.2	86.6	.	74.4	84.5
LA08090C-9-2	.	.	79.9	.	.	.	.	.	.
LA08115C-30	.	.	79.7	.	.	91.2	.	.	84.3
LA09011UB-2	.	.	80.5	.	.	82.4	.	.	81.3
LA3200E-2	73.2	67.6	84.8	77.9	72.6	80.1	75.1	69.6	82.9
NC09-20986	.	57.9	72.2	.	63.9	72	.	60.3	72.1
NC11-22289	.	.	62.9	.	.	74.9	.	.	67.7
NC8170-4-3	.	.	63.3	.	.	79.5	.	.	69.8
OK11754WF	.	.	69.9	.	.	.	.	.	.
P 243	.	.	59.0	.	.	75.4	.	.	65.6
P 357	43.8	35.1	33.3	74.0	70.3	65.6	55.9	49.2	46.2
P 870	54.7	46.9	51.9	87.5	82.6	76.0	67.8	61.2	61.6
PGX 15-12	.	.	76.5	.	.	.	.	.	.
PGX 15-14	.	.	71.9	.	.	89.3	.	.	78.8
PGX 15-16	.	.	67.2	.	.	86.0	.	.	74.7
Pioneer 26R10	60.8	50.0	60.2	88.6	84.0	74.9	71.9	63.6	66.0
Pioneer 26R41	67.0	60.6	69.9	89.9	85.1	83.1	76.1	70.4	75.2
Pioneer 26R59	.	56.0	66.1	.	89.9	84.1	.	69.6	73.3
Pioneer 26R94	71.3	67.1	84.3	77.1	73.4	76.4	73.7	69.6	81.1
Roberts	.	.	.	67.2	65.4	87.1	.	.	.
SCTX 98-27A1	.	64.2	78.9	.	67.9	88.7	.	65.7	82.9
Southern Harvest 550	75.8	70.9	88.2	90.2	84.9	88.1	81.5	76.5	88.2
SS 8360	57.3	45.4	40.7	81.3	72.2	62.4	66.9	56.2	49.4
SS 8415	66.4	55.4	65.7	82.9	76.9	77.5	73.0	64.0	70.4
SS 8530	.	59.0	76.5	.	77.9	80.8	.	66.6	78.2
SS 8629	68.5	63.9	75.8	81.7	78.1	85.1	73.8	69.6	79.5
SY Cypress	66.5	62.3	75	.	.	.	.	.	.
SY Viper	.	.	72.6	.	.	86.0	.	.	78.0
USG 3013	.	.	30.1	.	.	60.2	.	.	42.1
USG 3201	.	.	59.9	.	.	79.5	.	.	67.7
USG 3404	57.6	49.8	54.6	87.1	80.7	75.6	69.4	62.2	63.0
VA10W-96	.	63.4	75.5	.	.	.	.	.	.
VA12W-72	.	.	93.1	.	.	84.7	.	.	89.8
W 010025 H2	.	53.3	69.2	.	61.7	70.2	.	56.7	69.6
WX15781	.	.	.	.	.	90.4	.	.	.
Average	68.8	63.4	77.9	82.5	77.2	81.9	74.8	69.1	79.3
LSD at 10% Level	3.6	4.6	7.4	6.6	6.0	7.2	3.4	3.7	5.7
Std. Err. Of Entry Mean	1.5	2.0	3.2	2.8	2.6	3.1	1.4	1.6	2.4

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

2. Tifton, Plains, and Midville.

3. Griffin and Calhoun.

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, 2015-2016
with Two- and Three-Year Averages**

Brand-Variety	Yield ¹		2016
	South ²		
	3-Year Average	2-Year Average	
	----- bu/acre -----		
AGS 2024	.	.	79.7
AGS 2038	.	.	81.9
AGS 2040	.	64.5	80.4
GA 06112-13EE16	69.0	66.9	84.4
GAJT 141-14E45	.	.	85.9
LA3200E-2	.	.	77.0
LA6146E-P4	.	.	80.8
Pioneer 26R94	63.0	60.2	81.5
SY Cypress	60.9	59.5	77.5
Average	64.3	62.8	81.0
LSD at 10% Level	4.4	N.S. ³	N.S.
Std. Err. Of Entry Mean	1.8	2.4	2.1

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, 2015-2016

Brand-Variety	Yield ¹ bu/acre	Test Weight lb/bu	Head Date Julian days ²	Height in	Leaf Rust ----- rating ³ -----	Stripe Rust
MD09W272-8-4-14-6	92.0	61.3	104	37	0	0
GA07353-14E19	89.5	60.7	103	37	0	0
MD09W272-8-4-14-8	87.2	61.1	104	36	0	0
VA12W-68	85.1	59.2	103	37	0	0
MD07W478-14-5	84.7	60.1	96	38	1	2
TX-EL2	83.2	59.8	96	37	0	0
VA13W-124	82.3	58.1	98	35	0	0
MD09W272-8-4-13-3-15	81.3	61.9	102	36	0	0
VA12W-72	80.9	58.8	105	35	0	0
GA071012-14E6	80.8	60.4	92	34	1	1
GAJT141-14E45	79.7	59.7	100	35	0	0
Hilliard	75.8	57.1	106	39	0	0
TN1604	72.3	57.1	121	37	0	2
LA09011UB-2	71.4	62.4	106	34	0	6
GA051207-14E53	70.8	58.8	102	41	0	4
LA08115C-30	70.3	59.1	96	36	3	0
Jamestown	70.1	62.1	92	32	1	0
AR06473-9-4-4	66.3	61.6	91	35	5	0
Pioneer Brand 26R41	65.2	56.6	103	34	0	0
TX12D4768	64.7	61.8	90	40	9	2
LA08090C-9-2	60.7	59.1	101	38	0	3
DH11SRW8-48	60.5	60.1	107	37	0	9
AR06024-7-2	59.4	62.6	99	42	0	0
NC11-22289	55.8	62.6	107	40	1	5
VA13W-38	43.9	59.1	106	34	.	5
NC10034-11	40.1	58.1	110	33	0	8
KWS 081	33.2	.	118	38	3	7
AGS 2000	30.1	.	96	34	0	9
KWS 060	23.6	.	118	30	0	9
TN1601	19.8	.	118	34	.	9
KWS 083	17.6	.	120	29	9	
ES14-0618	17.2	.	113	35	.	0
TN1602	16.6	.	106	31	.	9
Average	61.6 ⁴	60.1	104	36	1	3
LSD at 5% Level	12.8					

1. Yields calculated as 60 pounds per bushel.

2. Days from January 1.

3. Rating: 0 = resistant to 9 = very resistant.

4. C.V. = 10.0%.

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

Planted: November 24, 2015.

Harvested: May 25, 2016.

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: Problems occurred for some varieties due to long vernalization and susceptibility to stripe rust and leaf rust.

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

**Griffin, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery,
2015-2016**

Brand-Variety	2016 Data			
	Yield ¹ bu/acre	Test Weight lb/bu	Head Date Julian Days ²	Height in
GA07353-14E19	91.7	61.5	94	36
GA051207-14E53	85.6	61.9	100	39
MD07W478-14-5	85.2	60.8	93	36
VA13W-38	84.1	60.4	97	36
VA13W-124	83.8	57.7	93	32
TX-EL2	83.7	61.4	98	31
GAJT141-14E45	83.5	60.6	95	36
VA12W-72	79.0	60.4	102	33
Hilliard	78.0	60.2	105	30
VA12W-68	77.9	61.1	103	37
AR06473-9-4-4	77.8	62.1	95	36
TN1604	77.4	59.4	109	41
MD09W272-8-4-14-8	76.9	60.9	99	33
MD09W272-8-4-13-3-15	76.2	61.3	96	29
MD09W272-8-4-14-6	75.7	60.9	98	32
AGS 2000	73.7	59.7	91	37
LA09011UB-2	73.0	62.8	96	33
Jamestown	72.0	60.2	87	36
GA071012-14E6	69.3	60.8	93	35
TN1602	68.6	60.7	102	36
NC10034-11	67.9	60.9	106	34
DH11SRW8-48	64.6	60.3	106	38
Pioneer Brand 26R41	62.1	59.1	122	33
TN1601	61.6	59.7	108	40
LA08115C-30	61.0	58.4	93	32
TX12D4768	60.7	61.3	95	33
LA08090C-9-2	60.3	60.3	99	36
NC11-22289	59.7	62.5	103	35
KWS 081	59.4	57.3	123	40
ES14-0618	56.9	60.4	107	32
AR06024-7-2	56.6	63.1	97	32
KWS 060	53.1	58.1	122	35
KWS 083	50.6	60.8	122	28
Average	71.1 ³	60.5	101	35
LSD at 5% Level	14.4			

1. Yields calculated as 60 pounds per bushel.

2. Days from January 1.

3. C.V. = 12.3%.

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

Planted: November 16, 2015.

Harvested: June 2, 2016.

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, 2015-2016

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2016 Data			Head Date mo/day
	3-Year Average ----- bu/acre	2-Year Average ----- bu/acre			Test Wt lb/bu	Ht in	Lodg. %	
Triticale								
Trical 342	88.1	92.3	1	92.2	44.2	52	61	03/15
FL 01008	73.4	76.2	3	83.6	46.2	56	58	03/16
Monarch	71.1	73.2	5	62.9	43.5	52	65	03/19
FL001143	65.9	68.5	4	81.1	46.2	53	50	03/11
FL 08128	.	89.9	2	86.7	51.6	48	68	03/14
NF201	.	.	6	50.5	44.4	57	53	03/19
154	.	.	7	44.7	44.7	58	33	03/22
Average	74.6	80		71.7 ²	45.8	54	55	03/16
LSD at 10% level	N.S. ³	N.S.		9.8	1.5	2	N.S.	1
Std. Err. of Entry Mean	3.0	4.2		4.0	0.6	1	10	1
Rye								
FL 2X 406	41.8	37.8	4	43.4	53.2	72	55	03/07
FL 2X 405	41.3	37.6	2	45.8	54.1	69	63	03/03
Florida 401	40.4	37.5	3	44.0	53.4	69	38	02/28
Wrens Abruzzi	38.1	29.0	6	32.1	49.4	65	75	03/16
Maton	.	28.0	5	35.7	50.3	66	85	03/23
Maton II	.	21.9	7	29.1	53.6	66	73	03/26
Elbon	.	18.2	9 ^T	19.3	53.4	64	74	03/26
Oklon	.	15.3	9 ^T	19.3	51.3	66	75	03/28
FL 104	.	.	1	54.8	52.5	68	65	03/08
FL 4X 404	.	.	8	29.0	48.3	71	35	03/18
Average	40.4	28.2		35.2 ⁴	51.9	67	64	03/15
LSD at 10% level	N.S.	9.2		16.5	0.8	2	18	1
Std. Err. of Entry Mean	3.1	3.9		6.9	0.3	1	8	1

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. = 11.1%, and df for EMS = 18.

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. = 39.0%, and df for EMS = 27.

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

Planted: November 23, 2016.

Harvested: May 25, 2016.

Seeding Rate: Triticale: 16 seeds per foot in 7" rows.

Rye: 18 seeds per foot in 7" rows.

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 100 lb N/acre.

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

Previous Crop: Summer annuals.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Triticale Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre	----- bu/acre		bu/acre	lb/bu	in	%	mo/day
Trical 342	95.7	89.3	1	119.7	49.9	48	13	03/23
FL 08128	88.8	86.6	2	117.7	55.6	46	10	03/20
Monarch	83.2	79.3	3	101.8	50.0	48	10	03/24
FL 01008	79.1	79.8	4	101.5	49.8	49	38	03/21
FL001143	69.7	67.3	5	81.0	47.8	47	29	03/18
NF201	.	63.3	6	78.3	48.1	60	18	03/26
154	.	.	7	71.7	49.9	56	14	04/01
Average	83.3	77.6		95.9 ²	50.1	50	19	03/23
LSD at 10% level	4.3	N.S. ³		7.8	1.8	1	14	1
Std. Err. of Entry Mean	2.2	2.1		3.2	0.7	1	6	1

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 6.6%, and df for EMS = 18.
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 24, 2015.

Harvested: May 27, 2016.

Seeding Rate: 16 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = 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, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Midville, Georgia: Triticale Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Head Date
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day
FL 08128	82.6	78.8	2	100.0	51.7	51	78	03/22
Trical 342	81.3	81.0	1	102.9	42.2	50	91	03/25
FL 01008	78.5	74.9	3	93.1	48.0	55	74	03/24
FL001143	70.7	67.6	4	89.6	45.9	53	79	03/20
Monarch	68.9	63.9	5	81.5	43.8	53	71	03/26
NF201	.	44.7	7	56.2	46.3	58	84	03/28
154	.	.	6	64.3	46.2	56	58	04/03
Average	76.4	68.5		83.9 ²	46.3	53	76	03/25
LSD at 10% level	9.5	12.1		22.3	3.2	3	17	-
Std. Err. of Entry Mean	4.0	5.0		9.1	1.3	1	7	-

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

2. C.V. = 21.7%, and df for EMS = 18.

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

Planted: November 24, 2015.

Harvested: June 1, 2016.

Seeding Rate: 16 seeds per foot in 7" rows.

Soil Type: Dothan sandy loam.

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

Fertilization: Preplant: 37 lb N, 119 lb P₂O₅, and 70 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Subsoiled, field cultivated, and rototilled; Harmony and Express used for weed control; 1000 lb lime/acre.

Previous Crop: Fallow.

Test conducted by D. Dunn, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Triticale Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average							Wt	in	%	Date
-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day	
Trical 342	106.9	103.2	2	117.4	49.9	45	26	03/19
FL 08128	96.1	90.7	3	114.9	55.7	45	51	03/17
SS Triticale 1414	89.9	80.6	1	119.4	53.0	46	31	03/25
Monarch	88.1	81.4	4	105.9	52.6	47	39	03/25
FL001143	83.6	76.2	7	92.7	51.5	49	10	03/17
FL 01008	82.4	76.6	8	86.9	50.4	46	74	03/20
NF201	.	74.0	6	95.5	51.4	51	38	03/26
154	.	.	5	104.4	53.4	55	0	03/30
Average	91.1	83.2		104.6 ²	52.2	48	34	03/22
LSD at 10% level	N.S. ³	N.S.		15.2	1.2	2	28	2
Std. Err. of Entry Mean	3.0	3.9		6.2	0.5	1	12	1

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

2. C.V. = 11.9%, and df for EMS = 21.

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

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

Planted: October 31, 2015.

Harvested: May 31, 2016.

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

Soil Type: Cecil sandy clay.

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

Fertilization: Preplant: 20 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Griffin, Georgia: Rye Grain Performance, 2015-2016

A rye grain trial was planted at this location on October 31, 2015. However, drift from glyphosate reduced yield and increased the variability in and among plots. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the genetic performance potential of all the test entries. Since this data is not useful for making decisions and could be misleading if used in making variety selections, it will not be presented in the publication.

Summary of Triticale Yields: Georgia, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ⁴			Statewide		
	3-Year Average ³	2-Year Average	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	-----bu/acre-----								
154	.	.	60.2	.	.	104.4	.	.	71.3
FL 01008	69.3	76.9	92.7	82.4	76.6	86.9	78.3	76.9	91.3
FL 08128	.	85.1	101.5	96.1	90.7	114.9	.	86.5	104.8
FL001143	61.9	67.8	83.9	83.6	76.2	92.7	72.5	69.9	86.1
Monarch	67.0	72.1	82.0	88.1	81.4	105.9	77.8	74.5	88.0
NF201	.	.	61.6	.	74.0	95.5	.	.	70.1
SS Triticale 1414	.	.	.	89.9	80.6	119.4	.	.	.
Trical 342	79.5	87.5	104.9	106.9	103.2	117.4	93.0	91.4	108.1
Average	69.4	77.9	83.8	91.2	83.2	104.6	80.4	79.8	88.5
LSD at 10% Level	3.8	5.8	N.S. ⁵	N.S.	N.S.	15.2	3.5	4.9	7.0
Std. Err. of Entry Mean	1.5	2.3	6.0	3.0	3.9	6.2	1.2	2.0	3.0

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

2. Tifton, Plains, and Midville.

3. Tifton data from 2016, 2014, and 2013.

4. Griffin and Calhoun.

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, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ⁵			Statewide		
	3-Year Average ³	2-Year Average ⁴	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	----- bu/acre -----								
FL 2X 406	41.8	37.8	43.4	.	.	.	41.8	37.8	43.4
FL 2X 405	41.3	37.6	45.8	.	.	.	41.3	37.6	45.8
Florida 401	40.4	37.5	44.0	.	.	.	40.4	37.5	44.0
Wrens Abruzzi	38.1	29.0	32.1	.	.	.	38.1	29.0	32.1
Elbon	.	18.2	19.3	.	.	.	.	18.2	19.3
FL 104	.	.	54.8	.	.	.	.	.	54.8
FL 4X 404	.	.	29.0	.	.	.	.	.	29.0
Maton	.	28.0	35.7	.	.	.	.	28.0	35.7
Maton II	.	21.9	29.1	.	.	.	.	21.9	29.1
Oklon	.	15.3	19.3	.	.	.	.	15.3	19.3
Average	40.4	28.2	35.3	.	.	.	40.4	28.2	35.3
LSD at 10% Level	N.S. ⁶	N.S.	16.5	.	.	.	N.S.	N.S.	16.5
Std. Err. of Entry Mean	3.1	3.9	6.9	.	.	.	3.1	3.9	6.9

1. Yields calculated at 56 pounds per bushel at 13.0% moisture.
 2. Tifton.
 3. Tifton data from 2016, 2014, and 2013.
 4. Tifton data from 2016 and 2014.
 5. Griffin; no data available for 2016.
 6. 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, 2015-2016

An oat variety grain trial was planted at this location on September 23, 2015. However, crown rust disease and lodging during the growing season resulted in some very low grain yields and considerable variation in performance within and among plots in the test. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the genetic performance potential of all the test entries. Since this data is not useful for making decisions and could be misleading if used in making variety selections, it will not be presented in the publication.

Plains, Georgia: Oat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Head Date	Cold Damage ²
	---- bu/acre	---- bu/acre		bu/acre	lb/bu	in	%	mo/day	rating
FL 720	115.1	104.9	2	150.4	35.1	57	29	04/06	0
TX09CS1112	108.3	101.7	11	96.4	26.2	43	4	04/07	1
Horizon 270	107.1	101.4	8	119.2	32.3	46	66	04/04	1
Gerard 224	93.5	79.9	17	88.1	27.8	49	36	04/10	1
Horizon 306	92.3	82.6	12	95.1	29.9	49	60	04/11	1
Gerard 229	87.6	72.2	23	63.5	24.6	46	84	04/12	1
SS 76-50	80.0	69.4	22	66.6	22.4	47	70	04/12	1
NF402	73.6	75.0	16	90.2	30.7	58	99	04/10	1
Okay	70.8	76.3	20	75.2	27	51	88	04/07	1
LA07007-18	.	134.6	1	160.4	34.2	39	0	03/31	0
LA07007-24	.	119.1	6	130.5	33.2	45	16	03/31	0
LA08084-15	.	108.2	3	134.2	34.3	57	20	03/29	0
LA06063SBSB-S1	.	105.3	5	132.4	35.9	49	26	03/28	0
LA08085SS-T3	.	103.5	4	133.3	32.4	53	44	04/03	0
LA06059-4-S1	.	95.1	7	117.6	34	46	79	04/04	1
Graham	.	91.9	13	94.2	25.5	44	86	04/13	1
NC12-3578	.	79.7	19	77.5	26.7	48	97	04/13	1
TAMO 411	.	.	9	117.8	31	50	23	04/11	1
SCOP 85-8	.	.	10	98.4	31.3	55	16	04/14	1
TX07CS2257	.	.	14	92.2	29.8	53	94	04/04	1
SCLA 0100214	.	.	15	91.1	25.6	46	66	04/13	1
NC12-3447	.	.	18	85.2	25	50	99	04/10	1
NC12-3753	.	.	21	71.9	22.5	45	96	04/12	1
Simpson	.	.	24	32.8	15.1	52	100	04/11	1
Average	92.0	94.2		99.7 ³	28.9	49	58	04/07	-
LSD at 10% level	N.S. ⁴	N.S.		21.1	5.7	3	30	1	-
Std. Err. of Entry Mean	3.9	5.2		9.0	2.4	1	12	1	-

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

2. Rating of 1 - 5; data collected on April 5, 2016.

3. C.V. = 17.9%, and df for EMS = 69.

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

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

Planted: November 24, 2015.

Harvested: May 27, 2016.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

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

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

Topdress: 52 lb N/acre.

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Midville, Georgia: Oat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
TX09CS1112	107.3	95.5	6	81.2	22.6	43	79	04/12
FL 720	93.8	86.9	3	102.5	25.5	57	86	04/10
Horizon 270	92.7	85.1	7	79.7	28.5	51	100	04/07
Gerard 224	87.4	78.1	14	61.7	22.3	48	100	04/12
Gerard 229	83.5	52.9	23	13.6	25.4	41	100	04/14
Horizon 306	82.6	71.9	13	63.3	26.1	50	100	04/13
SS 76-50	82.6	68.6	18	46.9	18.2	45	100	04/14
Okay	58.0	43.6	22	28.9	9.9	51	100	04/11
NF402	55.6	51.7	19	40.7	25.3	55	100	04/12
LA07007-18	.	101.5	1	126.6	32.7	42	69	04/04
LA07007-24	.	88.5	2	109.0	29.4	49	79	04/04
LA08085SS-T3	.	82.1	4	93.7	30.4	54	91	04/04
NC12-3578	.	81.8	11	67.3	22.9	50	100	04/15
Graham	.	81.1	16	51.6	24.4	47	100	04/14
LA06059-4-S1	.	72.9	9	70.6	31.3	48	94	04/06
LA06063SBSB-S1	.	71.9	5	92.7	31.9	52	78	04/04
LA08084-15	.	64.9	12	63.6	23.8	57	63	04/03
TX07CS2257	.	.	8	75.7	26.4	54	100	04/07
TAMO 411	.	.	10	68.1	25.4	48	94	04/13
SCOP 85-8	.	.	15	53.5	24.0	54	100	04/15
NC12-3753	.	.	17	51.0	20.6	50	100	04/14
SCLA 0100214	.	.	20	31.2	17.4	45	100	04/14
NC12-3447	.	.	21	30.4	19.4	49	100	04/10
Simpson	.	.	24	13.0	26.1	51	100	04/14
Average	82.6	75.2		63.2 ²	24.6	49	93	04/10
LSD at 10% level	8.7	N.S. ³		12.6	2.0	2	14	2
Std. Err. of Entry Mean	3.7	3.7		5.3	0.8	1	6	1

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

2. C.V. = 16.9%, and df for EMS = 69.

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 24, 2015.

Harvested: June 1, 2016.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Dothan loamy soil.

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

Fertilization: Preplant: 37 lb N, 119 lb P₂O₅, and 70 lb K₂O/acre.

Topdress: 100 lb N/acre.

Management: Subsoiled, field cultivated, and rototilled: Harmony and Express used for weed control; 1000 lb lime/acre.

Previous Crop: Fallow.

Test conducted by D. Dunn, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Oat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data							
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Head Date	Crown Rust ²	BYD ³
	---- bu/acre ----	---- bu/acre ----		bu/acre	lb/bu	in	%	mo/day	rating	rating
TX09CS1112	140.0	115.5	8	83.5	32.8	44	11	04/15	2	2
Gerard 229	134.0	110.6	3	97.9	30.9	42	6	04/24	2	2
SS 76-50	133.3	104.0	1	122.0	32.7	50	6	04/15	2	1
Gerard 224	131.8	98.4	11	78.9	32.4	49	15	04/13	3	1
Horizon 270	130.1	102.1	18	59.4	32.1	43	5	04/14	1	4
Horizon 306	123.4	94.2	12	71.4	32.3	49	34	04/22	1	0
FL 720	119.6	85.9	20	52.4	30.6	48	93	04/20	0	3
Okay	117.6	98.3	6	88.8	30.9	51	75	04/16	2	3
NF402	93.1	70.1	22	45.3	28.7	55	89	04/13	2	3
NC12-3578	.	125.0	2	109.6	33.3	52	23	04/15	3	0
LA07007-24	.	107.5	10	79.8	29.8	42	29	04/12	0	4
Graham	.	98.0	7	86.5	32.6	44	15	04/21	2	0
LA07007-18	.	96.9	14	70.8	30.2	37	5	04/18	0	4
LA06059-4-S1	.	96.6	17	61.5	33	45	41	04/11	2	2
LA06063SBSB-S1	.	96.1	15	66.1	33.1	44	56	04/09	0	2
LA08084-15	.	89.4	19	54.5	33.3	53	39	04/10	0	2
LA08085SS-T3	.	85.9	16	61.8	31.6	50	60	04/13	0	2
NC12-3447	.	.	4	97.8	32.7	50	45	04/12	2	0
SCLA 0100214	.	.	5	97.2	31.6	45	14	04/20	2	1
NC12-3753	.	.	9	80.7	33.1	48	29	04/14	2	2
TX07CS2257	.	.	13 ^T	71.1	29.3	52	40	04/10	2	1
TAMO 411	.	.	13 ^T	71.1	32.9	48	10	04/17	2	3
SCOP 85-8	.	.	21	46.7	30.3	54	18	04/23	2	2
Simpson	.	.	23	44.2	32.2	46	44	04/24	2	3
Average	124.8	98.5		74.9 ⁴	31.7	48	33	04/16	1	2
LSD at 10% level	N.S. ⁵	N.S.		14.2	1.9	3	22	2	2	2
Std. Err. of Entry Mean	4.5	5.6		6.0	0.8	1	9	1	1	1

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. Crown rust rating 1-5; data collected on April 26, 2016.
3. Barley yellow dwarf rating 1-10; data collected on April 8, 2016.
4. C.V. = 16.0%, and df for EMS = 69.
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).

Planted: October 31, 2015.

Harvested: May 31, 2016.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Cecil sandy clay.

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

Fertilization: Preplant: 20 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 70 lb N/acre.

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

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Calhoun, Georgia: Oat Grain Performance, 2015-2016

Brand-Variety	Yield ¹		2016 Data					
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----				lb/bu	in	%	mo/day
SS 76-50	124.5	105.5	4	102.2	34.3	41	0	04/13
Gerard 229	119.6	98.0	9	87.8	34.4	35	1	04/19
Gerard 224	116.1	103.8	5	95.6	35.7	39	0	04/12
TX09CS1112	114.9	93.6	7	89.7	34.4	35	0	04/12
Horizon 270	110.7	80.2	19	58.3	31.0	35	0	04/12
Horizon 306	108.3	82.1	15 ^T	67.8	34.8	43	11	04/15
Okay	93.2	77.0	13	77.3	31.3	44	31	04/16
FL 720	85.4	72.6	18	63.0	32.0	44	28	04/14
NF402	72.1	54.2	23	42.1	30.3	45	61	04/13
Graham	.	115.6	2	117.1	33.8	39	5	04/15
NC12-3578	.	107.1	6	92.1	35.4	40	18	04/16
LA07007-24	.	98.2	8	89.5	30.7	41	1	04/04
LA07007-18	.	88.0	14	74.8	33.0	33	0	04/06
LA06059-4-S1	.	82.4	11	87.0	34.4	37	0	04/08
LA06063SBSB-S1	.	73.2	17	63.8	34.7	41	1	04/04
LA08085SS-T3	.	70.0	15 ^T	67.8	33.3	42	4	04/10
LA08084-15	.	55.5	21	51.2	33.0	47	26	04/06
SCLA 0100214	.	.	1	127.0	34.7	37	5	04/15
NC12-3447	.	.	3	109.1	34.0	42	59	04/13
TX07CS2257	.	.	10	87.5	32.7	42	8	04/07
NC12-3753	.	.	12	84.7	35.2	42	19	04/14
TAMO 411	.	.	16	67.5	33.4	40	0	04/14
SCOP 85-8	.	.	20	56.7	31.4	45	5	04/17
Simpson	.	.	22	51.1	33.2	40	0	04/20
Average	105.0	85.7		79.6 ²	33.4	40	12	04/12
LSD at 10% level	12.5	13.3		9.9	1.0	3	14	2
Std. Err. of Entry Mean	5.3	5.7		4.2	0.4	1	6	1

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

2. C.V. = 10.6%, and df for EMS = 69.

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

Planted: October 22, 2015.

Harvested: June 7, 2016.

Seeding Rate: 11 seeds per foot in 7" rows.

Soil Type: Waynesboro loam.

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

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Topdress: 50 lb N/acre.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control; 1.5 ton lime/acre.

Previous Crop: Fallow.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and T. Dunn.

Summary of Oat Yields: Georgia, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	----- bu/acre -----								
FL 720	104.4	95.9	126.5	102.5	79.2	57.7	103.5	87.6	92.1
Gerard 224	90.4	79.0	74.9	123.9	101.1	87.3	107.2	90.0	81.1
Gerard 229	85.6	62.6	38.5	126.8	104.3	92.8	106.2	83.4	65.7
Graham	.	86.5	72.9	.	106.8	101.8	.	96.7	87.3
Horizon 270	99.9	93.3	94.4	120.4	91.1	58.9	110.2	92.2	76.7
Horizon 306	87.4	77.2	79.2	115.8	88.2	69.6	101.6	82.7	74.4
LA06059-4-S1	.	84.0	94.1	.	89.5	74.2	.	86.8	84.2
LA06063SBSB-S1	.	88.6	112.5	.	84.6	64.9	.	86.6	88.7
LA07007-18	.	118	143.5	.	92.4	72.8	.	105.2	108.1
LA07007-24	.	103.8	119.8	.	102.8	84.6	.	103.3	102.2
LA08084-15	.	86.6	98.9	.	72.4	52.9	.	79.5	75.9
LA08085SS-T3	.	92.8	113.5	.	77.9	64.8	.	85.3	89.1
NC12-3447	.	.	57.8	.	.	103.5	.	.	80.6
NC12-3578	.	80.7	72.4	.	116.1	100.8	.	98.4	86.6
NC12-3753	.	.	61.5	.	.	82.7	.	.	72.1
NF402	64.6	63.3	65.5	82.6	62.2	43.7	73.6	62.8	54.6
Okay	64.4	59.9	52.0	105.4	87.6	83.0	84.9	73.8	67.5
SCLA 0100214	.	.	61.1	.	.	112.1	.	.	86.6
SCOP 85-8	.	.	75.9	.	.	51.7	.	.	63.8
Simpson	.	.	22.9	.	.	47.6	.	.	35.3
SS 76-50	81.3	69.0	56.7	128.9	104.8	112.1	105.1	86.9	84.4
TAMO 411	.	.	88.0	.	.	69.3	.	.	78.6
TX07CS2257	.	.	83.9	.	.	79.3	.	.	81.6
TX09CS1112	107.8	98.6	88.8	127.5	104.6	86.6	117.6	101.6	87.7
Average	87.3	84.7	81.5	114.9	92.1	77.3	101.1	88.4	79.4
LSD at 10% Level	6.3	7.5	12.2	8.9	9.8	9.6	5.4	6.2	7.7
Std. Err. of Entry Mean	2.7	3.2	5.2	3.8	4.2	4.1	2.3	2.6	3.3

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

2. Plains and Midville.

3. Griffin and Calhoun.

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, 2015-2016

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2016 Data			Head Date mo/day
	3-Year Average	2-Year Average			Test Wt	Ht	Lodg.	
	----- bu/acre -----				lb/bu	in	%	
Secretariat	87.1	82.1	1	132.2	44.7	31	33	04/05
Thoroughbred	70.3	55.9	3	82.2	42.2	38	98	04/08
Amaze10	63.2	53.1	2	84.2	49.0	36	82	04/11
Average	73.5	63.7		99.5 ²	45.3	35	71	04/08
LSD at 10% level	N.S. ³	N.S.		29.8	N.S.	3	22	-
Std. Err. of Entry Mean	3.9	5.6		10.9	2.9	1	8	-

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

2. C.V. = 21.8%, and df for EMS = 6.

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 24, 2015.

Harvested: May 27, 2016.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = 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, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Calhoun, Georgia: Barley Grain Performance, 2015-2016

Brand-Variety	Yield ¹		Rank	2016 Data				
	3-Year	2-Year		Yield ¹	Test	Ht	Lodg.	Head
	Average	Average			Wt			
----- bu/acre -----	----- bu/acre -----	bu/acre	lb/bu	in	%	mo/day		
Secretariat	78.2	81.9	1	89.7	41.8	35	100	04/13
Thoroughbred	58.3	61.6	2	49.6	35.5	40	100	04/17
Amaze10	50.9	55.3	3	42.8	45.2	36	100	04/18
Average	62.5	66.3		60.7 ²	40.8	37	100	04/16
LSD at 10% level	6.2	N.S. ³		2.8	3.3	4	-	3
Std. Err. of Entry Mean	2.5	3.8		1.0	1.2	1	-	1

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.
2. C.V. = 3.4%, and df for EMS = 6.
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 17, 2015.

Harvested: June 7, 2016.

Seeding Rate: 19 seeds per foot in 7" rows.

Soil Type: Rome gravelly loam.

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

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

Topdress: 60 lb N/acre.

Management: Chisel plowed, disked, and rototilled; Harmony Extra used for weed control; 1.5 ton lime/acre.

Previous Crop: Fallow.

Test conducted by H. Jordan, G. Ware, J. Stubbs, and T. Dunn.

Summary of Barley Yields: Georgia, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016	3-Year Average	2-Year Average	2016
	----- bu/acre -----								
Amaze10	63.2	53.1	84.2	50.9	55.3	42.8	57.1	54.2	63.5
Secretariat	87.1	82.1	132.2	78.2	81.9	89.7	82.6	82.0	111.0
Thoroughbred	70.3	55.9	82.2	58.3	61.6	49.6	64.3	58.8	65.9
Average	73.5	63.7	99.5	62.5	66.3	60.7	68	65	80.1
LSD at 10% Level	N.S. ⁴	N.S.	29.8	2.8	N.S.	6.2	9.7	14.0	13.7
Std. Err. of Entry Mean	10.9	5.6	3.9	1.0	3.8	2.5	3.9	5.5	5.4

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

2. Plains.

3. Calhoun.

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).

**Griffin, Georgia:
USDA-ARS Uniform Winter Barley Trial,
2015-2016**

Brand-Variety	Yield ¹ bu/acre	Test Weight lb/bu	Heading Date Julian days ²	Height in	Lodging rating
VA12B-30	99.1	47.4	100	36	2
VA11B-102	97.7	48.1	100	37	4
VA11B-141	95.3	51.9	99	37	1
Secretariat	94.0	49.9	101	32	4
VA12B-8	92.9	47.9	96	40	1
NB12434	91.8	50.8	97	35	3
Thoroughbred	89.9	49.0	104	34	3
Atlantic	87.3	48.8	96	31	2
NB13435	83.6	48.9	99	41	3
TAMBAR 501	82.9	48.6	103	39	3
Wysor	82.7	43.0	102	39	4
NB12425	81.5	46.8	106	41	4
NB13401	81.5	46.4	106	42	5
Eve (hulless)	79.8	59.9	86	33	1
NB10444	71.0	47.5	105	40	3
Dan (hulless)	66.9	59.1	99	39	1
Amaze 10 (hulless)	59.8	59.6	103	38	4
Average	84.6 ³	50.2	100	37	3
LSD at 5% Level	14				

1. Yields calculated as 48 pounds per bushel.

2. Days from January 1.

3. C.V. = 9.9%.

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

Planted: November 11, 2015.

Harvested: June 1, 2016.

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

Soil Type: Cecil sandy loam.

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

Wheat Forage

Tifton, Georgia: Wheat Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	12/21/15	1/20/16	2/19/16	3/11/16	3/31/16		
	----- lb/acre -----						
AGS 2033	1470	904	1405	1830	1557	7165	5457
Graze-All	806	1046	1372	1862	2004	7090	5908
AGS 2024	1361	926	1699	1917	991	6893	.
SS 8415	1057	871	1307	1601	2037	6872	5520
GA 04434-12LE28	1144	817	1350	1655	1688	6654	4736
GA 061349-13LE29	915	1133	1155	1514	1841	6556	.
Pioneer 26R10	1067	871	991	1144	2418	6491	.
Pioneer 26R41	882	784	1100	1448	2276	6490	.
SS 8629	860	708	1198	1623	2026	6414	5730
GA 051102-13LE43	1046	610	1067	1514	1993	6229	.
GA 061349-13LE31	1067	632	1176	1437	1862	6174	.
GA 061082-13E24	795	773	1274	1993	1296	6131	.
GA 06112-13EE16	1198	991	1568	1710	664	6131	.
Dyna-Gro Savoy	882	795	1612	2200	588	6076	4471
Pioneer 26R94	893	861	1405	2015	839	6012	4769
Dyna-Gro 9171	904	730	1067	1187	1993	5880	.
Southern Harvest 550	1089	664	1285	1851	980	5870	4323
AGS 2038	1089	621	1601	1949	534	5794	.
OK11754WF	468	621	1557	1688	1013	5347	.
Average	1000	808	1326	1691	1505	6330 ¹	5114
LSD at 10% Level	338	N.S. ²	237	235	314	519	N.S.
Std. Err. of Entry Mean	143	127	100	99	133	219	179

1. C.V. = 6.3%, and df for EMS = 48.

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 23, 2015.

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

Soil Type: Tifton loamy sand.

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

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Summer annuals.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Wheat Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-8-16	3-7-16	3-24-16	4-8-16		
----- lb/acre -----						
Pioneer 26R10	1075	1293	1510	1957	5835	.
Pioneer 26R41	1190	1259	1703	1679	5831	.
AGS 2033	1817	1582	1651	633	5681	5091
Dyna-Gro 9171	963	1013	1575	1942	5493	.
GA 051102-13LE43	1319	1481	1720	881	5401	.
Pioneer 26R94	1218	1463	1923	500	5104	5124
Graze-All	1104	1448	1792	758	5102	4826
GA 061349-13LE31	1285	1393	1690	686	5054	.
SS 8415	1041	1269	1431	1309	5050	4642
GA 04434-12LE28	1193	1426	1795	615	5029	4360
GA 061082-13E24	1069	1427	1814	674	4983	.
SS 8629	991	1277	1697	1018	4983	4384
GA 061349-13LE29	1262	1180	1408	1052	4902	.
AGS 2024	1219	1710	1449	443	4820	.
Southern Harvest 550	800	1336	1901	560	4598	4770
GA 06112-13EE16	1391	1719	1284	183	4576	.
Dyna-Gro Savoy	1058	1661	1521	241	4480	4498
AGS 2038	1081	1555	1403	310	4348	.
OK11754WF	518	1701	1475	569	4263	.
Average	1137	1431	1618	842	5028 ¹	4712
LSD at 10% Level	208	316	148	192	466	N.S. ²
Std. Err. of Entry Mean	88	133	63	81	197	205

1. C.V. = 7.8%, 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 24, 2015.

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

Soil Type: Greenville sandy clay loam.

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

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

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

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Wheat Forage Performance, 2015-2016

A wheat variety forage trial was planted at this location on October 24, 2015. However, ryegrass competition due to the lack of control with labeled herbicides during the growing season resulted in only two harvests and considerable variation in performance within and among plots in the test. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the genetic performance potential of all the test entries. Since this data is not useful for making decisions and could be misleading if used in making variety selections, it will not be presented in the publication.

Marianna, Florida:
Wheat Forage Performance, 2015-2016

A wheat variety forage trial was planted at this location on October 30, 2015. However, due to heavy rainfall during early November, experimental plots were washed out, silted over, and/or drowned rendering little to no results. Therefore, there are no results to publish.

**Statewide Summary:
Wheat Forage Yields, 2015-2016
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg
----- lb/acre -----												
AGS 2024	6893	.	.	4820	.	.	.	.	.	5856	.	.
AGS 2033	7165	8119	.	5681	6033	.	.	.	.	6423	7076	.
AGS 2038	5794	.	.	4348	.	.	.	.	.	5071	.	.
Dyna-Gro 9171	5880	.	.	5493	.	.	.	.	.	5687	.	.
Dyna-Gro Savoy	6076	7014	7337	4480	5331	5535	.	.	.	5278	6173	6436
GA 04434-12LE28	6654	7480	.	5029	5460	.	.	.	.	5841	6470	.
GA 051102-13LE43	6229	.	.	5401	.	.	.	.	.	5815	.	.
GA 061082-13E24	6131	.	.	4983	.	.	.	.	.	5557	.	.
GA 06112-13EE16	6131	.	.	4576	.	.	.	.	.	5354	.	.
GA 061349-13LE29	6556	.	.	4902	.	.	.	.	.	5729	.	.
GA 061349-13LE31	6174	.	.	5054	.	.	.	.	.	5614	.	.
Graze-All	7090	8015	.	5102	5687	.	.	.	.	6096	6851	.
OK11754WF	5347	.	.	4531	.	.	.	.	.	4939	.	.
Pioneer 26R10	6491	.	.	5835	.	.	.	.	.	6163	.	.
Pioneer 26R41	6490	.	.	5831	.	.	.	.	.	6161	.	.
Pioneer 26R94	6012	7230	.	5104	5935	.	.	.	.	5558	6583	.
Southern Harvest 550	5870	6768	7221	4598	5680	6142	.	.	.	5234	6224	6682
SS 8415	6872	7622	.	5050	5247	.	.	.	.	5961	6434	.
SS 8629	6414	8022	.	4983	5212	.	.	.	.	5698	6617	.
Average	6330	7534	7279	5042	5573	5839	.	.	.	5686	6553	6559
LSD at 10% Level	519	594	N.S. ¹	430	N.S.	N.S.	.	.	.	587	N.S.	N.S.
Std. Err. of Entry Mean	219	250	90	181	229	126	.	.	.	142	170	77

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

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

Triticale and Rye Forage

Tifton, Georgia: Triticale and Rye Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	12/21/15	1/20/16	2/19/16	3/11/16	3/31/16		
----- lb/acre -----							
Triticale							
154	1143	556	1460	2200	1154	6513	.
NF201	1025	772	1449	2167	860	6273	5088
SS Triticale 1414	1307	588	1329	1645	1002	5870	4847
Monarch	1209	654	1176	1263	730	5032	4201
FL 08128	1666	654	947	1143	512	4922	4145
FL 01008	1078	1006	1002	1242	436	4764	4217
Trical 342	1318	381	969	1329	577	4574	3943
FL001143	1111	809	566	1307	381	4174	3743
Average	1232	677	1112	1537	706	5265 ¹	4312
LSD at 10% Level	320	228	214	233	181	424	348
Std. Err. of Entry Mean	131	94	88	96	74	174	146
Rye							
Maton	1938	632	1155	2004	1557	7286	6103
Wrens Abruzzi	1252	828	1296	1655	1862	6894	4922
NF95319B	1503	806	1252	2309	828	6697	.
Elbon	1209	447	1165	1906	1797	6524	6147
Oklon	980	534	1100	1753	1971	6338	5757
Bates RS4	1470	457	1329	1982	1089	6327	5016
NF97325	1122	490	1274	2385	904	6175	.
Maton II	948	490	1122	2113	1176	5848	4979
FL 2X 406	1263	142	1024	2298	828	5554	5089
FL 4X 404	871	479	1394	2069	544	5357	3929
FL 104	697	370	1231	2047	599	4944	3744
FL 2X 405	1405	109	762	1699	828	4803	3762
Florida 401	1982	55	381	1231	937	4585	3611
Average	1280	449	1114	1958	1148	5949 ²	4824
LSD at 10% Level	359	295	256	342	320	731	581
Std. Err. of Entry Mean	150	124	107	143	134	306.3	246

1. C.V. = 6.6%, and df for EMS = 21.

2. C.V. = 10.3%, 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 23, 2015.

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 = Medium, and pH = 6.4.

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Summer annuals.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Triticale and Rye Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-8-16	3-7-16	3-24-16	4-8-16		
----- lb/acre -----						
<u>Triticale</u>						
SS Triticale 1414	1259	1920	1452	285	4915	4878
NF201	602	1720	2081	275	4678	4920
154	800	1385	1935	404	4523	.
FL 08128	1486	1773	617	145	4021	4372
Trical 342	1310	1805	569	90	3774	3573
Monarch	1428	1367	724	208	3726	3917
FL 01008	1150	1608	646	227	3632	3742
FL001143	1193	1109	655	101	3058	3063
Average	1153	1586	1085	217	4041 ¹	4066
LSD at 10% Level	229	316	216	129	589	474
Std. Err. of Entry Mean	94	130	89	53	242	198
<u>Rye</u>						
Maton	964	1481	2248	743	5435	5093
Oklon	911	1338	1909	1155	5313	4692
Maton II	1117	1605	1821	620	5162	4619
Elbon	737	1202	2066	1125	5129	4859
Wrens Abruzzi	919	1985	1533	506	4942	3926
Bates RS4	1127	1732	1605	429	4893	4255
NF95319B	1173	1758	1342	366	4639	.
NF97325	1004	1780	1374	411	4569	.
FL 2X 406	1079	1966	897	300	4242	3933
FL 104	863	1626	1071	446	4005	3163
Florida 401	1625	1039	1196	138	3998	3074
FL 2X 405	974	1731	822	350	3877	2701
FL 4X 404	733	1708	941	418	3800	2690
Average	1017	1612	1448	539	4616 ²	3909
LSD at 10% Level	175	316	184	141	383	322
Std. Err. of Entry Mean	73	132	77	59	160	136

1. C.V. = 12%, and df for EMS = 21.

2. C.V. = 7.0%, 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: November 24, 2015.

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 = Medium, K = Very High, and pH = 6.4.

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

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

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Triticale and Rye Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	2-29-16	3-23-16	4-19-16	2016	2-Yr Avg
----- lb/acre -----					
<u>Triticale</u>					
FL 08128	2229	1455	3239	6924	7433
Trical 342	2401	1454	2531	6386	6973
FL 01008	1302	1453	3565	6319	6963
Monarch	1685	1316	3242	6243	6860
SS Triticale 1414	1615	1698	2870	6182	6980
154	1067	2623	2285	5974	.
NF201	1345	2291	2065	5701	7292
FL001143	1504	1392	2732	5628	6118
Average	1643	1710	2816	6169 ¹	6946
LSD at 10% Level	431	212	607	585	N.S. ²
Std. Err. of Entry Mean	177	87	250	240	237
<u>Rye</u>					
FL 2X 405	2064	1305	3391	6759	6463
Wrens Abruzzi	2997	1030	2439	6466	7359
FL 2X 406	2298	1356	2703	6358	7819
FL 104	1073	1629	3559	6261	6796
Bates RS4	1252	2493	2394	6138	7741
NF95319B	1265	2264	2564	6093	.
NF97325	1497	2173	2324	5993	.
Maton II	869	2711	2405	5985	7241
Maton	401	2663	2894	5957	7083
Florida 401	2772	1080	2042	5894	5843
Elbon	279	2321	3239	5839	6701
FL 4X 404	1411	1355	3028	5794	6454
Oklon	319	2389	3036	5743	7225
Average	1423	1905	2770	6098 ³	6975
LSD at 10% Level	347	380	497	470	N.S.
Std. Err. of Entry Mean	145	159	208	197	227

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

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. = 6.4%, 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 24, 2015.

Seeding Rate: Triticale: 27 seed/foot in 7" rows.
Rye: 36 seed/foot in 7" rows.

Soil Type: Cecil sandy loam.

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

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.
Topdress: 50 lb N/acre after 1st and 2nd harvests.

Management: Chisel plowed, disked, and rototilled; Harmony Extra, Prowl, Axial, and Powerflex used for weed control; 1 ton lime/acre.

Previous Crop: Fallow.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Marianna, Florida:
Triticale and Rye Forage Performance, 2015-2016

Triticale and rye variety forage trials were planted at this location on October 30, 2015. However, due to heavy rainfall during early November, experimental plots were washed out, silted over, and/or drowned rendering little to no results. Therefore, there are no results to publish.

**Statewide Summary:
Triticale and Rye Forage Yields, 2015-2016
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg
	----- lb/acre -----											
<u>Triticale</u>												
154	6513	.	.	4740	.	.	5974	.	.	5742	.	.
FL 01008	4764	6145	6274	3632	4396	4681	6319	6963	7462	4905	5834	6139
FL 08128	4922	6242	6382	4021	5243	.	6924	7433	.	5289	6306	.
FL001143	4174	5807	6087	3058	4070	4212	5628	6118	6676	4287	5332	5658
Monarch	5032	6325	6707	3726	5011	5274	6243	6860	7708	5000	6065	6563
NF201	6273	7397	.	4678	6058	.	5701	7292	.	5550	6916	.
SS Triticale 1414	5870	7096	7479	4915	6229	6324	6182	6980	8550	5656	6768	7451
Trical 342	4574	5887	6133	3774	4869	5174	6386	6973	7515	4911	5909	6274
Average	5265	6414	6511	4068	5125	5133	6169	6946	7582	5167	6161	6417
LSD AT 10% LEVEL	N.S. ¹	342	263	N.S.	631	386	N.S.	N.S.	N.S.	785	300	227
Std. Err. of Entry Mean	174	143	110	188	264	162	240	237	211	117	128	97
<u>Rye</u>												
Bates RS4	7221	8092	8434	4893	5997	6480	6138	7741	8593	6084	7277	7836
Elbon	6633	8336	8884	5129	6291	6781	5839	6701	8242	5867	7109	7969
FL 104	6392	7059	.	4005	4655	.	6261	6796	.	5553	6170	.
FL 2X 405	5674	6599	7533	3877	4340	4721	6759	6463	7116	5437	5800	6457
FL 2X 406	7024	8498	9034	4242	5566	6338	6358	7819	8690	5875	7294	8020
FL 4X 404	6882	7169	7437	3800	4221	4622	5794	6454	7258	5492	5948	6439
Florida 401	4879	6007	6223	3998	4255	4549	5894	5843	6489	4924	5368	5754
Maton	7732	8575	8953	5435	6509	6946	5957	7083	8564	6375	7389	8154
Maton II	6785	8045	8515	5162	6101	6558	5985	7241	8570	5977	7129	7881
NF95319B	8178	.	.	4639	.	.	6093	.	.	6303	.	.
NF97325	7656	.	.	4569	.	.	5993	.	.	6072	.	.
Oklon	6121	7777	8358	5313	6157	6590	5743	7225	8706	5726	7053	7885
Wrens Abruzzi	6687	7590	8079	4942	5793	6111	6466	7359	8540	6031	6914	7577
Average	6759	7613	8145	4616	5444	5970	6098	6975	8077	5824	6677	7397
LSD AT 10% LEVEL	1022	748	579	383	412	363	470	N.S. ¹	428	N.S.	333	267
Std. Err. of Entry Mean	428	317	246	160	174	154	197	227	182	166	142	114

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

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

Triticale Silage

Tifton, Georgia:

Triticale Silage Performance, 2015-2016

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	
University of Florida	FL 01008	4.6	17.4	63	26	3.4	03/17
Southern States	SS Triticale 1414	4.6	18.8	53	25	3.1	03/20
Syngenta Seed, Inc	FL001143	4.5	16.1	56	28	3.4	03/12
Syngenta Seed, Inc	Trical 342	4.4	17.2	55	26	3.1	03/16
University of Florida	FL 08128	4.3	16.8	54	26	3.4	03/15
Syngenta Seed, Inc	Monarch	4.0	16.2	53	25	2.9	03/20
OGL	NF201	3.6	16.7	60	21	2.6	03/21
Syngenta Seed, Inc	154	3.5	16.3	54	21	.	03/21
Average		4.2 ¹	16.9 ²	56	25	3.1	03/17
LSD at 10% Level		0.4	N.S. ³	2	1	0.7	-
Std. Err. of Entry Mean		0.2	0.7	1	1	0.3	-

1. CV = 7.7%, and df for EMS = 21.
2. CV = 8.0%, and df for EMS = 21.
3. The F-test indicated no statistical differences 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 23, 2015.
 Harvested: March 31, 2016.
 Seeding Rate: 27 seeds/acre in 30" rows.
 Soil Type: Tift sandy loam.
 Soil Test: P = High, K = Medium, and pH = 6.4.
 Fertilization: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre as preplant; 100 lb N/acre as topdress.
 Previous Crop: Summer annuals.
 Management: Disked, chisel plowed, and rototilled.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

**Griffin, Georgia:
Triticale Silage Performance, 2015-2016**

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 tons/acre				
University of Florida	FL 08128	4.1	13.9	39	29	4.5	03/22
Syngenta Seed, Inc	154	3.7	16.2	32	23	.	.
University of Florida	FL 01008	3.7	13.4	42	27	4.2	03/29
Syngenta Seed, Inc	Trical 342	3.7	13.2	35	28	4.3	03/30
Syngenta Seed, Inc	Monarch	3.5	13.3	39	26	4.3	03/29
OGI	NF201	3.4	14.2	40	24	4.1	03/31
Syngenta Seed, Inc	FL001143	3.1	10.7	35	29	4.1	03/29
Average		3.6 ¹	13.5 ²	37	26	4.2	03/28
LSD at 10% Level		0.6	2.1	3	1	N.S. ³	3
Std. Err. of Entry Mean		0.2	0.8	1	1	0.2	1

1. CV = 13.3%, and df for EMS = 18.

2. CV = 12.6%, and df for EMS = 18.

3. The F-test indicated no statistical differences 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 31, 2015.

Harvested: March 30, 2016.

Seeding Rate: 27 seeds/acre in 30" rows.

Soil Type: Cecil sandy clay loam.

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

Fertilization: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre as preplant; 100 lb N/acre as topdress.

Previous Crop: Soybeans.

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

Test conducted by H. Jordan and G. Ware.

Statewide Summary: Triticale Silage Yields, 2015-2016 with Two-Year Average

Brand-Variety	Yield																		
	South ¹						North ²						Statewide						
	2016		2-Yr Average		3-Yr Average		2016		2-Yr Average		3-Yr Average		2016		2-Yr Average		3-Yr Average		
	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	
154	16.3	3.5	16.2	3.7	16.2	3.6
FL 01008	17.4	4.6	11.8	3.4	15.3	4.2	13.4	3.7	18.4	4.2	17.4	4.3	15.4	4.1	15.1	3.8	16.3	4.2	
FL 08128	16.8	4.3	12.3	3.4	.	.	13.9	4.1	21.3	4.5	.	.	15.3	4.2	16.8	3.9	.	.	
FL001143	16.1	4.5	11.0	3.4	14.9	4.0	10.7	3.1	18.7	4.1	18.1	4.0	13.4	3.8	14.9	3.7	16.5	4.0	
Monarch	16.2	4.0	11.2	2.9	15.1	3.7	13.3	3.5	20.0	4.3	18.5	4.1	14.8	3.7	15.6	3.6	16.8	3.9	
NF201	16.7	3.6	11.0	2.6	.	.	14.2	3.4	21.6	4.1	.	.	15.5	3.5	16.3	3.3	.	.	
SS Triticale 1414	18.8	4.6	11.8	3.1	15.1	4.0	.	.	20.8	4.3	.	.	15.2	4.0	16.0	3.7	17.8	4.3	
Trical 342	17.2	4.4	11.2	3.1	15.6	4.3	13.2	3.7	20.8	4.3	19.9	4.3	15.2	4.0	16.0	3.7	17.8	4.3	
Average	16.9	4.2	11.5	3.1	15.2	4.0	13.6	3.6	20.1	4.2	18.5	4.2	15.1	3.8	15.8	3.7	16.9	4.1	
LSD at 10% Level	N.S. ¹	0.4	N.S.	0.7	N.S.	N.S.	2.1	0.6	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	0.2	
Std. Err. of Entry Mean	0.7	0.2	0.4	0.3	0.4	0.1	0.8	0.2	0.6	0.2	0.4	0.1	0.5	0.1	0.4	0.1	0.3	0.1	

1. Tifton.
 2. Griffin.
 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, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	12/21/15	1/20/16	2/19/16	3/11/16	3/31/16		
	----- lb/acre -----						
Okay	1775	1492	1372	2058	1481	8179	7219
NF402	1982	1176	1056	1884	1764	7863	7001
TX07CS2257	1558	1525	1220	2004	1514	7819	.
Horizon 306	1808	1198	1176	1928	1688	7798	6756
LA08084-15	2080	1144	1318	1797	1449	7787	6238
TAMO 411	1601	1438	1350	1917	1459	7764	6585
RAM LA99016	1633	1340	1013	1884	1830	7699	6773
LA06059-4-S1	1743	1209	1122	1895	1568	7535	6237
TAMO 606	1590	1340	1296	1753	1481	7460	6549
FL 720	1873	1231	1187	1939	1209	7438	.
Gerard 229	1329	1470	991	1383	2113	7285	.
Horizon 270	1895	1253	1187	1558	1351	7243	6133
SS 76-50	1263	1285	1361	1808	1449	7166	6325
Gerard 224	1568	1242	1242	1688	1241	6980	5987
LA06063SBSB-S1	1732	980	1056	1786	1079	6632	5712
Legend 567	1601	1035	1122	1634	871	6262	.
LA08085SS-T3	1318	839	980	1601	1394	6131	5410
Average	1667	1247	1179	1795	1467	7355 ¹	6379
LSD at 10% Level	258	181	165	272	216	548	384
Std. Err. of Entry Mean	109	76	70	115	91	231	163

1. C.V. = 6.3%, 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: October 23, 2015.

Seeding Rate: 30 seed/foot in 7" rows.

Soil Type: Tifton loamy sand.

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

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Summer annuals.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Oat Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-8-16	3-7-16	3-24-16	4-8-16		
----- lb/acre -----						
TAMO 606	954	1557	1971	920	5402	4871
FL 720	1875	1071	1354	1030	5329	.
LA08084-15	1543	1505	1400	863	5310	3657
NF402	1346	1235	1669	1037	5287	4582
RAM LA99016	841	1648	1716	1019	5223	4514
SS 76-50	627	1523	2069	895	5114	4295
Horizon 306	1235	1411	1417	909	4972	4210
Okay	798	1538	1641	862	4839	4260
TX07CS2257	787	1497	1666	878	4827	.
LA06063SBSB-S1	1201	1420	1300	882	4801	3872
TAMO 411	786	1547	1680	772	4784	4455
Horizon 270	1008	1351	1556	819	4733	3994
Gerard 224	932	1143	1551	910	4536	3993
LA06059-4-S1	950	1386	1395	730	4460	4249
Gerard 229	368	1229	1842	953	4391	.
Legend 567	1195	1194	1230	727	4345	.
LA08085SS-T3	1000	1072	1209	1053	4334	2755
Average	1026	1372	1568	897	4864 ¹	4131
LSD at 10% Level	258	235	258	N.S. ²	471	N.S.
Std. Err. of Entry Mean	109	99	109	87	199	217

1. C.V. = 8.2%, and df for EMS = 48.

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 24, 2015.

Seeding Rate: 30 seed/foot in 7" rows.

Soil Type: Greenville sandy clay loam.

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

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

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

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Oat Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				
	Harvest Date			Season Totals	
	3-8-16	3-23-16	4-19-16	2016	2-Yr Avg
----- lb/acre -----					
TX07CS2257	1851	1268	3854	6973	.
Legend 567	2276	1030	3398	6704	.
LA06063SBSB-S1	1773	1065	3821	6659	6366
Horizon 270	1621	1273	3554	6447	7208
NF402	1197	1396	3823	6416	7924
LA08085SS-T3	1702	1055	3592	6350	6152
FL 720	2239	1063	3008	6310	.
Gerard 224	1339	1390	3556	6284	7364
Horizon 306	2341	1190	2736	6266	7935
Okay	1557	1424	3187	6167	7275
SS 76-50	1354	1562	3150	6065	7525
LA08084-15	1789	1153	3123	6065	6133
RAM LA99016	1149	1475	3403	6027	7317
TAMO 411	1160	1486	3341	5987	7261
LA06059-4-S1	1494	1242	3137	5872	7156
TAMO 606	1230	1441	3149	5819	7455
Gerard 229	724	1595	3430	5749	6682
Average	1576	1300	3368	6245 ¹	7125
LSD at 10% Level	487	160	581	624	N.S. ²
Std. Err. of Entry Mean	205	68	245	263	225

1. C.V. = 8.4%, and df for EMS = 48.

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 24, 2015

Seeding Rate: 30 seed/foot in 7" rows.

Soil Type: Cecil sandy loam.

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

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.

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

Management: Chisel plowed, disked, and rototilled; Harmony Extra and Amber used for weed control; 1 ton lime/acre.

Previous Crop: Fallow.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Marianna, Florida: Oat Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-1-16	3-7-16	4-1-16	5-2-16		
	----- lb/acre -----					
LA06063SBSB-S1	1445	2918	832	1031	6226	5321
FL 720	1285	3134	923	829	6170	5746
LA08084-15	1321	2885	1102	754	6061	5582
LA08085SS-T3	942	2527	1100	1264	5832	5167
Legend 567	1158	2999	962	547	5666	.
TAMO 606	714	3357	1037	427	5535	5134
TX07CS2257	779	2875	893	967	5514	.
RAM LA99016	346	2044	1377	770	4536	4660
LA06059-4-S1	465	2467	663	882	4477	4806
Horizon 306	257	2323	915	943	4437	4922
Okay	361	2478	804	596	4239	4594
NF402	198	2295	1116	455	4065	5047
TAMO 411	189	2372	903	579	4042	4262
Horizon 270	458	2199	841	336	3834	4205
Gerard 224	152	2184	832	446	3613	4482
SS 76-50	117	1861	1108	159	3246	.
Gerard 229	128	1447	950	.	2524	.
Average	607	2492	962	686	4707 ¹	4918
LSD at 10% Level	201	401	222	266	495	N.S. ²
Std. Err. of Entry Mean	85	169	94	112	209	211

1. C.V. = 8.9%, and df for EMS = 48.

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 30, 2015.

Seeding Rate: 30 seed/foot in 7" rows.

Soil Type: Chipola loamy sand.

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

Fertilization: Preplant: 50 lb N, 0 lb P₂O₅, and 90 lb K₂O/acre.

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

Management: Moldboard plowed and rototilled; Harmony Extra and 2,4D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

**Statewide Summary:
Oat Forage Yields, 2015-2016
with Two- and Three-Year Averages**

Brand-Variety	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr	
	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg
----- lb/acre -----												
FL 720	7438	8544	8469	5329	4718	4885	6310	6311	5588	6359	6524	6314
Gerard 224	6980	8225	.	4567	4662	.	6284	7364	.	5944	6750	.
Gerard 229	7285	.	.	4391	.	.	5749	6682	.	5808	.	.
Horizon 270	7243	8311	.	4733	4664	.	6447	7208	.	6141	6728	.
Horizon 306	7798	9184	.	4972	4951	.	6266	7935	.	6345	7357	.
LA06059-4-S1	7535	8197	.	4460	4924	.	5872	7156	.	5956	6759	.
LA06063SBSB-S1	6632	7678	.	4801	4319	.	6659	6366	.	6031	6121	.
LA08084-15	7787	8274	.	5310	3771	.	6065	6133	.	6387	6060	.
LA08085SS-T3	6131	7174	.	4334	2820	.	6350	6152	.	5605	5382	.
Legend 567	6262	.	.	4345	.	.	6704	.	.	5770	.	.
NF402	7863	9206	9380	5287	5590	5775	6416	7924	7366	6522	7573	7507
Okay	8179	9588	9592	4839	5229	5599	6167	7275	6917	6395	7364	7369
RAM LA99016	7699	8772	8869	5223	5058	5399	6027	7317	6541	6316	7049	6936
SS 76-50	7166	8220	8750	5114	4829	5233	6065	7525	6895	6115	6858	6959
TAMO 411	7764	8725	.	4784	5196	.	5987	7261	.	6178	7061	.
TAMO 606	7460	8716	.	5402	5617	.	5819	7455	.	6227	7263	.
TX07CS2257	7819	.	.	4827	.	.	6973	.	.	6540	.	.
Average	7355	8487	9012	4866	4739	5378	6245	7071	6662	6155	6775	7017
LSD at 10% Level	548	466	382	469	N.S. ¹	N.S.	624	N.S.	330	N.S.	N.S.	445
Std. Err. of Entry Mean	231	198	160	198	204	169	263	220	138	134	121	90

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

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

Ryegrass Forage

Tifton, Georgia: Ryegrass Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	12/21/15	1/20/16	2/19/16	3/11/16	3/31/16		
	----- lb/acre -----						
ME4	621	1154	1623	2091	2636	8124	7429
FLAT2	381	1046	1927	2396	2331	8080	6925
Andes	490	1067	1710	2244	2527	8037	7062
Jumbo	512	1111	1688	2037	2646	7993	7058
Passerel Plus	610	1100	1699	1928	2603	7939	6728
Big Boss	458	948	1786	2211	2440	7841	6895
PS12	675	1067	1721	1906	2385	7754	.
TAMTBO	457	937	1590	2178	2516	7678	7024
ME94	338	948	1536	2080	2744	7645	6900
FL4XMarona	577	1035	2026	2265	1743	7645	6688
Attain	316	915	1568	2178	2636	7613	6823
Winterhawk	294	1035	1503	2135	2635	7602	6906
FLAT1	283	762	1612	2145	2799	7601	.
FL4XMarmid	468	937	1830	2341	1993	7569	7143
Nelson	359	991	1666	2048	2472	7536	6804
Marshall	283	991	1536	2102	2614	7525	7058
Flying A	501	969	1536	1917	2603	7525	6882
Credence	381	959	1623	2178	2374	7515	.
Earlyploid	381	980	1851	2243	1939	7394	6851
GALM1514A	327	839	1623	1960	2614	7362	.
PS15	392	915	1775	1961	2287	7330	.
Grazer	468	937	1699	2156	2069	7329	6745
Diamond T	436	850	1633	1960	2363	7242	6435
Fria	414	915	1601	2004	2287	7220	6772
M2CVS	305	948	1285	1732	2930	7198	6901
TetraStar	501	839	1579	1841	2352	7112	6688
GO-15-LN2	240	839	1481	1851	2668	7078	.
GALM1403	447	730	1547	1819	2472	7013	6140
LWD8	360	741	1492	2167	2200	6959	6386
LWT12	316	599	1666	2102	2233	6915	6570
Maximus	294	806	1547	1895	2363	6904	6411
GALM1513M	185	773	1394	1928	2614	6893	.
Grasshancer 100	272	763	1644	1840	2341	6860	.
Jackson	207	719	1350	1906	2613	6795	6432
Prine	283	763	1470	1928	2309	6752	6425
Lonestar	414	828	1437	1568	2429	6675	6073
GALM1401	174	599	1688	2048	2080	6589	6497
KoSpeed	370	566	1492	2091	2037	6556	.
GALM1515F	218	599	1503	1666	2472	6458	.
BAR LM 15425	131	534	1274	1645	2690	6272	.

**Tifton, Georgia:
Ryegrass Forage Performance, 2015-2016
(Continued)**

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	12/21/15	1/20/16	2/19/16	3/11/16	3/31/16		
----- lb/acre -----							
KoWinearly	163	381	1361	1982	2341	6229	.
BAR LM 15427	283	610	1122	1459	2483	5957	.
BAR LM 15426	163	447	1285	1481	2363	5739	.
Meroa	250	599	1263	1285	2091	5489	4827
PPG-TAR113	44	44	174	577	1688	2527	.
Average	356	825	1542	1944	2400	7068 ¹	6683
LSD at 10% Level	221	276	260	312	236	935	597
Std. Err. of Entry Mean	94	118	111	133	101	399	255

1. C.V. = 11.3%, and df for EMS = 132.

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

Planted: October 23, 2015.

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

Soil Type: Tifton loamy sand.

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

Fertilization: Preplant: 50 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

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

Management: Disked, moldboard plowed, and rototilled.

Previous Crop: Summer annuals.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Ryegrass Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-8-16	3-7-16	3-24-16	4-8-16		
----- lb/acre -----						
Prine	941	1758	1884	2199	6781	6923
Nelson	1012	1714	1858	2166	6749	6931
Diamond T	774	1711	1897	2171	6552	6457
Big Boss	867	1609	1838	2205	6518	6765
Jumbo	643	1611	1984	2221	6458	6885
TetraStar	934	1690	1844	1951	6419	6708
Flying A	741	1610	1879	2085	6315	6608
TAMTBO	698	1585	1903	2087	6272	6866
FLAT1	564	1636	1864	2185	6249	.
PS15	811	1556	1946	1936	6248	.
Attain	762	1504	1901	2066	6233	6694
GALM1514A	742	1481	1905	2085	6212	.
FLAT2	849	1576	1737	2043	6205	6242
Credence	622	1477	1967	2104	6169	.
Lonestar	839	1462	1660	2119	6080	6224
Maximus	725	1490	1828	2034	6076	6535
Marshall	732	1217	1890	2163	6001	6333
PS12	916	1406	1696	1881	5899	.
BAR LM 15425	521	1169	1737	2458	5884	.
BAR LM 15426	524	1236	1856	2253	5868	.
LWT12	457	1448	2028	1898	5831	6158
Grasshancer 100	427	1440	1988	1970	5825	.
KoSpeed	544	1478	2054	1722	5798	.
Passerel Plus	679	1432	1796	1873	5780	5893
Earlyploid	644	1550	1929	1651	5774	5846
ME4	575	1231	1844	2120	5769	6641
FL4XMarmid	616	1697	1874	1556	5742	5941
GALM1513M	425	1314	1868	2086	5692	.
GALM1403	594	1352	1755	1984	5684	6169
ME94	501	1196	1802	2159	5658	6221
M2CVS	340	874	1944	2468	5626	6551
Andes	462	1413	1792	1949	5615	6388
Grazer	649	1471	1845	1593	5557	5998
Winterhawk	356	1263	1877	2036	5532	6139
Fria	451	1332	1907	1832	5521	6353
LWD8	299	1348	2128	1734	5509	5828
FL4XMarona	614	1707	1840	1266	5426	6072
BAR LM 15427	454	924	1647	2325	5350	.
Meroa	496	847	1573	2408	5324	5751
GALM1401	404	1274	2057	1576	5311	5615

**Plains, Georgia:
Ryegrass Forage Performance, 2015-2016
(Continued)**

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-8-16	3-7-16	3-24-16	4-8-16		
----- lb/acre -----						
GO-15-LN2	352	1191	1580	2136	5259	.
GALM1515F	401	1276	1770	1729	5175	.
Jackson	310	1110	1802	1811	5033	5519
KoWinearly	135	864	1837	1926	4762	.
PPG-TAR113	21	117	669	1729	2535	.
Average	587	1370	1828	1999	5784	6308
LSD at 10% Level	181	254	184	263	436	405
Std. Err. of Entry Mean	77	108	79	112	186	173

1. C.V. = 6.4%, and df for EMS = 132.

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

Planted: November 24, 2015.

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

Soil Type: Greenville sandy clay loam.

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

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

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

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Peanuts.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, G. South, and B. McCranie.

Griffin, Georgia: Ryegrass Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	2-12-16	3-10-16	3-22-16	4-6-16	4-26-16		
-----lb/acre-----							
Marshall	1201	2245	1696	1839	3340	10022	10441
GALM1401	883	2133	1529	1544	3933	9801	9658
Maximus	1177	1822	1648	1998	3446	9797	9394
Prine	759	1609	1633	2137	3830	9778	9900
GALM1403	655	1758	1675	1923	3909	9756	9172
FL4XMarona	899	2388	1343	1676	3660	9740	9118
KoWinearly	365	1596	1803	1844	4194	9711	.
TAMTBO	1011	1866	1531	1984	3438	9577	10013
Earlyploid	1102	2148	1426	1637	3505	9542	9231
GALM1513M	815	1600	1751	1971	3542	9475	.
FLAT2	859	1873	1516	2016	3419	9468	9452
Jackson	602	1536	1802	1920	3739	9449	9606
PS15	890	1777	1662	1832	3459	9397	.
Lonestar	899	1494	1563	2002	3542	9275	9381
Fria	1260	1684	1435	1762	3408	9235	9362
LWD8	483	1774	1597	1607	3872	9211	9165
M2CVS	949	1391	1641	2198	3268	9209	9643
Meroa	793	1195	1757	2282	3376	9206	10975
Nelson	1000	1849	1504	1839	3239	9182	9660
GO-15-LN2	1029	1577	1526	1798	3473	9146	.
Credence	675	1833	1583	1691	3531	9144	.
TetraStar	652	1639	1518	2049	3413	9108	8999
ME94	722	1551	1626	1823	3543	9083	9421
LWT12	508	1632	1559	1867	3642	9081	9295
GALM1515F	614	1409	1770	1794	3629	9062	.
BAR LM 15425	661	1260	1551	2317	3427	9050	.
KoSpeed	894	1942	1468	1490	3475	9046	.
ME4	778	1432	1617	2055	3337	9024	10013
FLAT1	783	1774	1451	1927	3215	8953	.
Jumbo	598	1703	1564	1973	3264	8952	9429
Passerel Plus	644	1507	1619	1780	3557	8945	9134
PS12	723	1626	1479	1836	3416	8898	.
Grazer	802	1772	1422	1755	3330	8880	8740
FL4XMarmid	657	2203	1165	1527	3422	8809	8784
BAR LM 15427	545	1109	1622	2361	3297	8797	.
Attain	814	1695	1402	1786	3294	8787	9251
GALM1514A	727	1711	1414	1760	3294	8725	.
Big Boss	665	1754	1441	1849	3171	8713	9022
Diamond T	828	1790	1333	1721	3182	8648	9001
Flying A	689	1617	1434	1794	3281	8642	8995

**Griffin, Georgia:
Ryegrass Forage Performance, 2015-2016
(Continued)**

Brand-Variety	Dry Matter Yield						Season Totals	
	Harvest Date					4-26-16	2016	2-Yr Avg
	2-12-16	3-10-16	3-22-16	4-6-16	4-26-16			
----- lb/acre -----								
Andes	637	1527	1391	1985	3241	8621	9280	
BAR LM 15426	538	1273	1613	2030	3222	8541	.	
Winterhawk	510	1305	1474	1791	3465	8418	9167	
Grasshancer 100	272	1248	1585	1770	3442	8249	.	
PPG-TAR113	148	259	585	1553	3049	5556	.	
Average	749	1642	1527	1869	3461	9060 ¹	9423	
LSD at 10% Level	444	431	215	331	N.S. ²	948	N.S.	
Std. Err. of Entry Mean	164	184	92	141	206	405	236	

1. C.V. = 8.9%, and df for EMS = 132.

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 24, 2015.

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

Soil Type: Cecil clay loam.

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

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 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: Fallow.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Calhoun, Georgia: Ryegrass Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield					Season Totals	
	Harvest Date					2016	2-Yr Avg
	2-11-16	3-9-16	4-5-16	5-2-16	5-27-16		
----- lb/acre -----							
KoSpeed	1277	1146	5334	2741	1413	11910	.
TetraStar	1253	1348	5031	2481	1729	11842	12400
TAMTBO	1517	1310	4415	2586	1967	11795	12168
PS15	1132	1309	4903	2541	1873	11758	.
Attain	1441	1399	4607	2530	1771	11747	11609
GALM1513M	881	1302	5271	2658	1625	11737	.
Prine	976	1342	4805	2668	1925	11716	11962
LWD8	1254	1255	5120	2492	1560	11681	12327
GALM1403	1479	1437	4787	2136	1795	11634	11402
Earlyploid	1210	1246	4667	2736	1683	11542	11600
Fria	1551	1283	4709	2264	1730	11537	12619
ME94	856	1240	5325	2330	1787	11536	12335
PS12	1794	1014	4578	2484	1653	11523	.
Nelson	1462	1107	4549	2420	1929	11466	12044
FLAT1	1122	1361	4474	2503	1939	11399	.
Marshall	771	906	5590	2258	1868	11393	12593
M2CVS	636	979	5257	2487	2032	11389	12435
GALM1514A	1409	1106	4681	2481	1700	11377	.
Big Boss	1294	1243	4405	2405	2021	11367	11764
Grazer	1171	1317	4667	2428	1779	11362	11877
FLAT2	912	1249	4727	2606	1855	11349	11826
FL Red 4x LATE	1342	1314	4622	2503	1565	11345	.
ME4	949	1037	5269	2229	1853	11338	12270
Maximus	1777	1273	4304	2292	1691	11337	11752
BAR LM 15426	541	1220	4564	2770	2211	11306	.
Jumbo	1056	1260	4364	2690	1909	11278	12059
GALM1401	585	1054	5384	2575	1629	11226	11325
Credence	883	1144	4500	2553	2094	11173	.
Winterhawk	784	1263	4767	2371	1976	11160	12565
GO-15-LN2	882	1251	5153	2174	1676	11135	.
Passerel Plus	997	1027	4932	2123	2048	11126	11228
Diamond T	864	1078	4593	2555	2031	11120	11381
LWT12	831	1372	4662	2503	1742	11109	11964
Lonestar	1041	991	5050	2240	1786	11108	11063
BAR LM 15425	960	1240	4547	2360	1983	11090	.
Meroa	749	786	4849	2907	1787	11079	11447
KoWinearly	568	1305	5122	2485	1574	11053	.
Grasshancer 100	1212	1434	4680	2231	1447	11003	.
FL4XMarmid	1245	1231	4295	2696	1441	10906	11393
Andes	640	1309	4650	2328	1862	10788	11955

**Calhoun, Georgia:
Ryegrass Forage Performance, 2015-2016
(Continued)**

Brand-Variety	Dry Matter Yield						Season Totals	
	Harvest Date					2016	2-Yr Avg	
	2-11-16	3-9-16	4-5-16	5-2-16	5-27-16			
----- lb/acre -----								
Jackson	517	1175	4935	2339	1742	10707	11266	
Flying A	1007	1160	4809	2290	1366	10632	10940	
FL4XMarona	1338	1220	4144	2642	1255	10598	10503	
GALM1515F	726	949	5402	2001	1475	10553	.	
BAR LM 15427	446	780	4356	2734	2001	10317	.	
FL PEER	948	1120	4366	2129	1439	10002	11905	
FL ME	752	1139	4304	2276	944	9415	.	
FL ER	650	1103	4053	2658	774	9238	9818	
PPG-TAR113	191	69	2687	2162	1291	6400	.	
Average	1018	1167	4720	2450	1719	11073 ¹	11744	
LSD at 10% Level	606	326	582	369	325	1025	814	
Std. Err. of Entry Mean	259	139	248	158	139	438	348	

1. C.V. = 7.9%, and df for EMS = 144.

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

Planted: October 22, 2015.

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

Soil Type: Waynesboro loam.

Soil Test: P = Very High, K = Very High, and pH = 5.8.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 75 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; 1.5 ton lime/acre.

Previous Crop: Corn.

Test conducted by H. Jordan, G. Ware, and T. Dunn.

Marianna, Florida: Ryegrass Forage Performance, 2015-2016

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-10-16	3-10-16	4-4-16	5-6-16		
----- lb/acre -----						
Attain	972	2446	2144	2552	8114	6684
FLAT1	516	2273	2349	2685	7823	.
Nelson	736	2440	2025	2464	7664	6403
Prine	979	2130	2151	2229	7488	6611
FLAT2	727	2417	2129	2202	7474	6930
TetraStar	1013	2289	2332	1775	7408	7199
TAMTBO	558	2218	2343	2252	7370	6475
FL4XMarmid	1145	2967	1644	1528	7284	7062
FL PEER	271	2528	2076	2369	7245	6705
Credence	1127	2186	2147	1697	7157	.
Winterhawk	401	2133	2412	2188	7134	6740
Big Boss	1038	2476	1871	1749	7134	6450
FL Red 4x LATE	759	2644	1905	1809	7117	.
BAR LM 15426	635	1990	2280	2171	7075	.
GALM1514A	1131	2284	1856	1702	6972	.
Andes	650	2141	2040	2088	6919	6519
Marshall	348	1889	2545	2120	6902	5798
Diamond T	1031	2274	2257	1327	6888	6749
ME4	319	1807	2083	2561	6769	6451
M2CVS	408	1651	2285	2423	6767	6102
Earlyploid	746	2600	1654	1728	6728	6902
RM Exp. 2013A	743	2380	1856	1712	6690	6464
Jumbo	795	2407	1886	1592	6680	6312
Fria	334	2393	2211	1662	6600	6394
Lonestar	479	2131	2208	1706	6523	6192
Jackson	283	1740	2380	2049	6452	6135
LWT12	698	2241	1782	1722	6442	5648
LWD8	244	2562	1777	1854	6437	5833
BAR LM 15427	391	1544	2079	2414	6428	.
GALM1401	554	3094	1730	1039	6417	6784
PS15	830	2110	2138	1334	6411	.
PS12	948	2395	1954	1068	6365	.
ME94	312	1829	2255	1942	6338	5654
GALM1403	489	2167	2250	1369	6275	5752
Grasshancer 100	538	2117	2130	1455	6239	.
Maximus	753	2164	2010	1256	6182	5698
FL ER	643	3207	1464	864	6179	5366
KoWinearly	433	2310	2229	1193	6165	.
GALM1513M	334	1723	2453	1516	6026	.
Flying A	282	2153	2107	1473	6016	5762

**Marianna, Florida:
Ryegrass Forage Performance, 2015-2016
(Continued)**

Brand-Variety	Dry Matter Yield				Season Totals	
	Harvest Date				2016	2-Yr Avg
	2-10-16	3-10-16	4-4-16	5-6-16		
	----- lb/acre -----					
GO-15-LN2	282	1795	2138	1687	5902	.
FL ME	461	2577	1934	907	5880	.
BAR LM 15425	430	1298	1884	2251	5863	.
Grazer	693	2393	1799	913	5798	5177
FL4XMarona	720	2659	1291	1096	5765	6446
GALM1515F	586	2036	2024	1018	5664	.
Meroa	625	1373	1853	1670	5521	5342
Passerel Plus	494	1953	1810	1087	5344	5528
KoSpeed	395	2276	1339	577	4586	.
Average	618	2221	2031	1715	6584 ¹	6250
LSD at 10% Level	375	423	322	544	872	N.S. ²
Std. Err. of Entry Mean	160	180	138	232	372	280

1. C.V. = 11.3%, and df for EMS = 144.

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 30, 2015.

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

Soil Type: Chipola loamy sand.

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

Fertilization: Preplant: 50 lb N, 0 lb P₂O₅, and 90 lb K₂O/acre.

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

Management: Moldboard plowed and rototilled; Harmony Extra and 2,4D used for weed control.

Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary: Ryegrass Forage Yields, 2015-2016 with Two- and Three-Year Averages

Brand-Variety	Dry Forage Yield																
	Tifton			Plains			Griffin			Calhoun			Statewide				
	2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr		2-Yr	3-Yr			
2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg	2016	Avg	Avg
----- lb/acre -----																	
Andes	8037	9034	.	8621	7139	.	5615	9280	.	10788	11955	.	8265	9352	.		
Attain	7613	9012	9433	8787	7837	7582	6233	9251	9817	11747	11609	11477	8595	9427	9577		
BAR LM 15425	6272	.	.	9050	.	.	5884	.	.	11090	.	.	8074	.	.		
BAR LM 15426	5739	.	.	8541	.	.	5868	.	.	11306	.	.	7863	.	.		
BAR LM 15427	5957	.	.	8797	.	.	5350	.	.	10317	.	.	7605	.	.		
Big Boss	7841	8997	9517	8713	7652	7603	6518	9022	9423	11367	11764	11611	8610	9359	9539		
Credence	7515	.	.	9144	.	.	6169	.	.	11173	.	.	8500	.	.		
Diamond T	7242	8526	9001	8648	7322	7319	6552	9001	9412	11120	11381	11223	8390	9058	9239		
Earlyploid	7394	9138	9523	9542	7158	7091	5774	9231	9584	11542	11600	10953	8563	9282	9288		
FL ER	.	.	.	.	.	.	.	.	.	9238	9818	9383	.	.	.		
FL ME	.	.	.	.	.	.	.	.	.	9415	.	.	.	.	.
FL PEER	.	.	.	.	.	.	.	.	.	10002	11905	11592	.	.	.		
FL Red 4x LATE	.	.	.	.	.	.	.	.	.	11345	.	.	.	.	.
FL4XMarmid	7569	9381	9449	8809	7079	7268	5742	8784	9413	10906	11393	.	8256	9159	.		
FL4XMarona	7645	8774	9192	9740	7194	7289	5426	9118	9068	10598	10503	.	8352	8897	.		
FLAT1	7601	.	.	8953	.	.	6249	.	.	11399	.	.	8550	.	.		
FL-AT2	8080	9000	.	9468	6971	.	6205	9452	.	11349	11826	.	8775	9312	.		
Flying A	7525	9179	9315	8642	7822	7682	6315	8995	9653	10632	10940	10774	8278	9234	9356		
Fria	7220	8580	9136	9235	7885	7979	5521	9362	10136	11537	12619	11955	8378	9612	9801		
GALM1401	6589	8626	.	9801	7091	.	5311	9658	.	11226	11325	.	8232	9175	.		
GALM1403	7013	8405	.	9756	7166	.	5684	9172	.	11634	11402	.	8522	9036	.		
GALM1513M	6893	.	.	9475	.	.	5692	.	.	11737	.	.	8449	.	.		
GALM1514A	7362	.	.	8725	.	.	6212	.	.	11377	.	.	8419	.	.		
GALM1515F	6458	.	.	9062	.	.	5175	.	.	10553	.	.	7812	.	.		
GO-15-LN2	7078	.	.	9146	.	.	5259	.	.	11135	.	.	8154	.	.		
Grasshancer 100	6860	.	.	8249	.	.	5825	.	.	11003	.	.	7984	.	.		
Grazer	7329	8254	8306	8880	6874	6618	5557	8740	9392	11362	11877	11296	8282	8936	8903		
Jackson	6795	8632	8930	9449	6662	7020	5033	9606	10121	10707	11266	11006	7996	9041	9269		
Jumbo	7993	8882	.	8952	7697	.	6458	9429	.	11278	12059	.	8670	9517	.		
KoSpeed	6556	.	.	5798	.	.	9046	.	.	11910	.	.	8327	.	.		
KoWinearly	6229	.	.	4762	.	.	9711	.	.	11053	.	.	7939	.	.		
Lonestar	6675	8191	8728	9275	7351	7588	6080	9381	10159	11108	11063	10715	8284	8996	9297		
LWD8	6959	8243	.	5509	7140	.	9211	9165	.	11681	12327	.	8340	9219	.		
LWT12	6915	8432	.	5831	7225	.	9081	9295	.	11109	11964	.	8234	9229	.		
M2CVS	7198	8665	9116	9209	7782	7845	5626	9643	10136	11389	12435	12017	8356	9631	9778		
Marshall	7525	8985	9374	10022	7738	7784	6001	10441	10900	11393	12593	12277	8735	9939	10084		
Maximus	6904	8360	8784	9797	7324	7213	6076	9394	9812	11185	11676	11052	8491	9189	9215		
ME4	8124	9520	9909	9024	7991	8164	5769	10013	11017	11338	12270	11741	8564	9948	10207		
ME94	7645	8877	.	5658	7551	.	9083	9421	.	11536	12335	.	8480	9546	.		
Meroa	5489	6651	.	5324	6410	.	9206	10975	.	11079	11447	.	7774	8871	.		

**Statewide Summary:
Ryegrass Forage Yields, 2015-2016
with Two- and Three-Year Averages (Continued)**

Brand-Variety	Dry Forage Yield														
	Tifton			Plains			Griffin			Calhoun			Statewide		
	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg	2016	2-Yr Avg	3-Yr Avg
	----- lb/acre -----														
Nelson	7536	8971	9417	9182	8135	7963	6749	9660	10250	11466	12044	11563	8733	9702	9798
Passerel Plus	7939	9086	9381	8945	7080	7203	5780	9134	9395	11126	11228	10249	8448	9132	9057
PPG-TAR113	2527	.	.	2535	.	.	5556	.	.	6400	.	.	4255	.	.
Prine	6752	8413	8973	9778	8001	7888	6781	9900	10418	11716	11962	11488	8757	9569	9692
PS12	7754	.	.	5899	.	.	8898	.	.	11523	.	.	8518	.	.
PS15	7330	.	.	6248	.	.	9397	.	.	11758	.	.	8683	.	.
TAMTBO	7678	8935	9561	9577	7938	7966	6272	10013	9960	11795	12168	11688	8831	9764	9794
TetraStar	7112	8915	9499	9108	7634	7619	6419	8999	9387	11842	12400	11276	8620	9487	9445
Winterhawk	7602	8937	9125	8418	7446	7502	5532	9167	10266	11160	12565	12071	8178	9528	9741
Average	7068	8720	9222	5784	7410	7533	9060	9423	9891	11070	11741	11305	8269	9338	9531
LSD at 10% Level	935	666	517	436	N.S. ¹	390	948	N.S.	N.S.	1033	817	697	523	N.S.	274
Std. Err. of Entry Mean	399	285	221	186	210	167	405	236	244	441	350	285	186	194	112

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

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

Sources of Seed for the 2015-2016 Small Grain Performance Tests

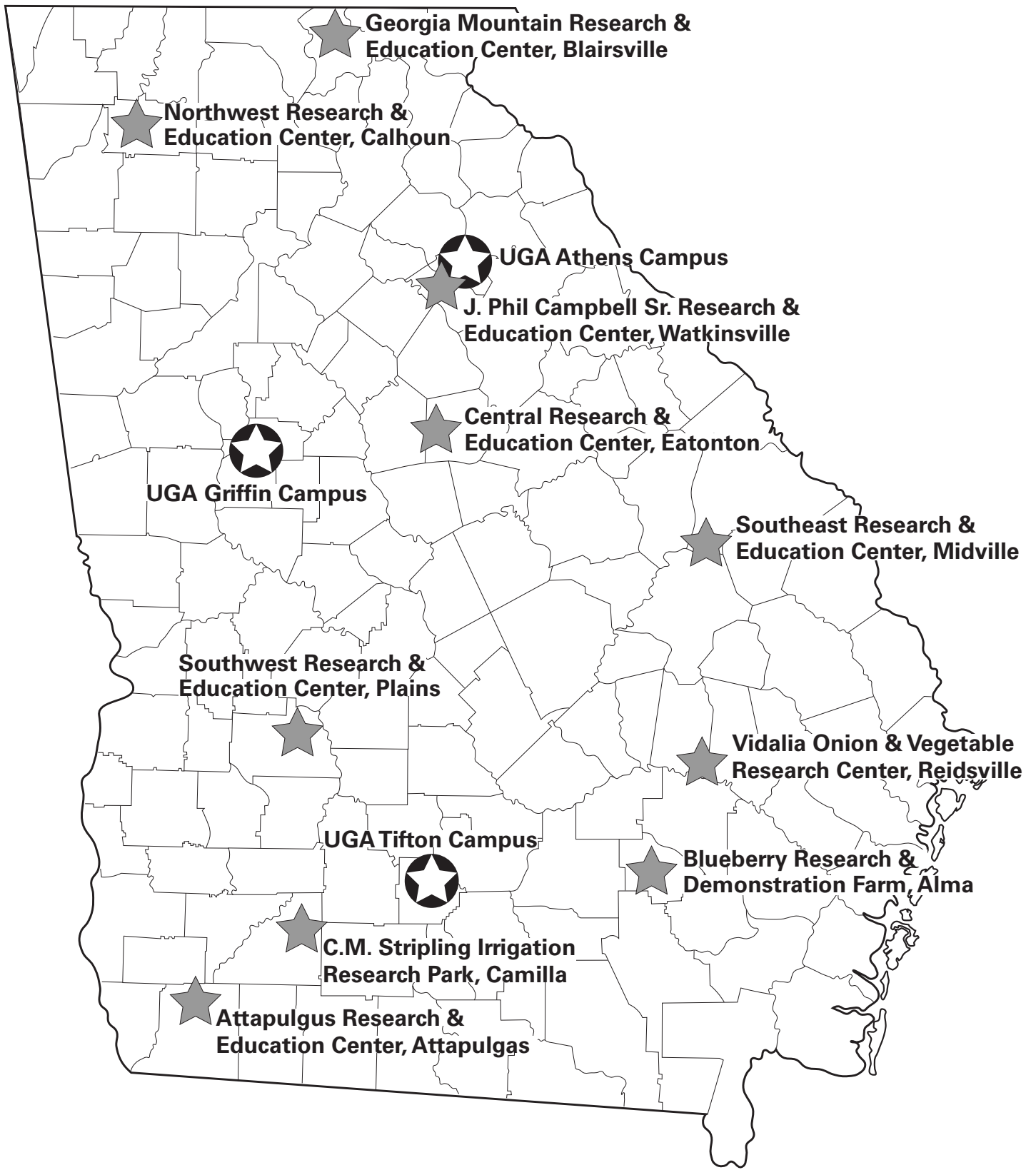
Crop	Variety – Seed Source
Wheat	- AGS and Graze-All - AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708.
	- AgriMAXX – AgriMAXX Wheat Company, 7167 Highbanks Road, Mascoutah, IL 62258.
	- AR – University of Arkansas, 115 Plant Sciences Building, 495 N. Campus Dr., Fayetteville, AR 72701.
	- Dyna-Gro and WX15781 - Dyna-Gro Seed, 6221 Riverside Drive, Suite One, Dublin, OH 43017.
	- GA and GAJT - University of Georgia - Griffin Campus, Crop & Soil Sciences Dept., 1109 Experiment Street, Griffin, GA 30223-1797.
	- GA-Gore and Roberts - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
	- Hilliard and VA - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.
	- LA - Louisiana State University, SPESS, 221 M.B. Sturgis Hall, Baton Rouge, LA 70803-2110.
	- NC - North Carolina State University, Box 7629, Raleigh, NC 27511.
	- NF201 – Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113.
	- OK11754WF – Oklahoma Foundation Seed, 2902 W. 6 th Ave., Stillwater, OK 74074.
	- P and PGX – Erwin-Keith, Inc., 1529 Highway 193 South, Wynne, AR 72396.
	- Pioneer - Dupont Pioneer, 425 Abbeydale Way, Columbia, SC 29229.
	- SCTX and W 010025 H2 – Clemson University, 179 Old Cherry Road, Clemson, SC 29634.
	- Southern Harvest 550 – Meherrin Agricultural & Chemical Company, 413 Main Street, Severn, NC 27877
- SS - Southern States Coop, 6606 West Broad Street, Richmond, VA 23230.	
- SY – Syngenta Seeds Inc., 8416 Highway 903 North, Ayden, NC 28513.	
- USG and Exp 3754 - UniSouth Genetics, Inc., 3205-C Highway 46 South, Dickson, TN 37055.	
Triticale	- FL - University of Florida, 155 Research Rd., Quincy, FL 32351.
	- FL001143, Monarch, Trical 342, and 154 - Syngenta Seeds, Inc., 2366 Rice Pike, Union, KY 41091
	- NF 201 - Oklahoma Genetics Inc., PO Box 2113, Stillwater, OK 74076-2113.
	- SS - Southern States Coop, 6606 West Broad Street, Richmond, VA 23230.

Sources of Seed for the 2015-2016 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 Rd., 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"> - FL720, LA08085SS-T3, and LA06063SBSB-S1 - University of Florida, 155 Research Rd., Quincy FL 32351. - Gerard - Gerard Seed Company, 1041 E. 4th Street, Washington, NC 27889. - Graham, SCLA 0100214, SCOP 85-8, and Simpson - 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 70803-2110. - 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 and OK11754WF - 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, and Thoroughbred - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.

Sources of Seed for the 2015-2016 Small Grain Performance Tests (Continued)

Crop	Variety – Seed Source
Ryegrass	<ul style="list-style-type: none"> - Andes, Credence, Grasshancer 100, LWD8, and LWT128 - DLF Pickseed USA, PO Box 229, Halsey, OR 97348. - Attain, Big Boss, KoSpeed, KoWinerarly, Meora, and PPG-TAR113 - 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 RM EXP 2013A - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454. - FL, FLAT1, and FLAT2 - University of Florida, 155 Research Road, Quincy, FL 32351. - FL ER, FL PEER, FL Red 4x, and FL ME - University of Florida, 6100 NW 156 Avenue, Gainesville, FL 32653. - Fria - Allied Seed LLC., 1108 Hilldale Drive, Macon, MO 63552. - GALM and Grazer - University of Georgia, 111 Riverbend Road, Athens, GA 30602. - GO 15 LN2, Lonestar, and TetraStar - Grassland Oregon, Inc., 4455 60th Avenue NE, Salem, OR 97305. - Jackson, Marshall, ME4, ME94, M2CVS, and Nelson - 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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