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Georgia
2012-2013 Small Grain Performance Tests

J. LaDon Day, Anton E. Coy
and John D. Gassett
Editors

Wheat

Oat

Rye

Triticale

Barley

Ryegrass

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Conversion Table

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

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

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PREFACE

Results of the 2012-2013 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, Calhoun in the Limestone Valley region, and at Quincy, Florida. Small grain forage evaluation tests were conducted at four locations in Georgia, which included Tifton and Plains in the Coastal Plain region, Griffin in the Piedmont region and 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, disease incidence, etc. are listed along with the corresponding yield data. Information concerning culture and fertilizer practices used is included in footnotes. 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 2013 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 nearest UGA Research and Education Center.

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

This report is one of five publications presenting the performance of agronomic crops in Georgia. For information concerning other crops, refer to one of the following research reports: 2012 Corn Performance Tests (Annual Publication 101-4), 2012 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests (Annual Publication 103-4), 2012 Peanut, Cotton and Tobacco Performance Tests (Annual Publication 104-4) and 2011-2012 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. J. LaDon Day, Department of Crop and Soil Sciences, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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2012-2013 SMALL GRAIN PERFORMANCE TESTS

Edited by J. LaDon Day, Anton E. Coy and John D. Gassett

The Season

Georgia's small grain planting season once again proved to be challenging for farmers planting forages in fall of 2012 due to inadequate soil moisture and warm temperatures. Much-needed rain began falling across the state in late November allowing farmers to proceed with planting grain. Georgia wheat producers seeded 400,000 acres of wheat during the 2012-2013 small grain year. This was the second largest wheat acreage planted in the last 10 years and is an increase of 43% over last year. Rye producers seeded 250,000 acres, 8% more than last year, while oat acreage remained the same at 60,000 acres.

Rainfall amounts recorded monthly at the five test locations in Georgia and at Marianna, Florida during the 2012-2013 growing season are presented in the following table. Rainfall amounts across the state were above normal for all locations except Plains during this year's small grain growing season. Mild temperatures persisted throughout much of the growing season in Georgia.

2012-2013 Rainfall[1]

Month	Year	Calhoun[2]	Griffin	Midville	Plains	Tifton	Marianna, FL[3]
		---------- inches ----------					
October	2012	1.57	4.78	0.43	0.59	1.57	1.75
November	2012	1.40	2.64	1.53	0.97	1.29	1.30
December	2012	5.88	7.63	5.69	4.76	4.28	4.10
January	2013	9.65	4.06	0.60	0.92	0.93	1.05
February	2013	5.09	9.21	12.11	9.92	17.85	12.86
March	2013	4.86	4.54	3.84	4.84	3.13	2.99
April	2013	8.80	5.56	3.89	3.16	4.44	3.54
May	2013	6.97	6.54	1.83	2.25	2.61	0.64
June	2013	6.26	9.65	16.17	4.96	12.89	3.72
Total (9 months)		50.48	54.61	46.09	32.37	48.99	31.95
Normal (9 months)		42.15	37.96	32.13	36.21	33.45	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.

Small grain forages had to be replanted in areas of middle Georgia because of army worms, while areas with inadequate soil moisture presented winter grazing establishment issues. Small grain forages also struggled to survive and grow due to lack of rainfall across the state. Late plantings of wheat were hampered due to wet soil conditions. The weather remained warm across the Coastal Plain during the early to

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mid small grain growing season, resulting in the reduction of vernalization of many wheat varieties. Warm temperatures also contributed to the increase of Hessian fly, while the wet conditions aided in the increase of small grain diseases across the state. However, the latter part of the growing season was cooler than normal (i.e. January was on average warmer than March).

Small grain harvest was hindered due to the amount of rain received producing saturated soils. Also, seed sprouting in the head was a problem. Harvesting did proceed between showers and yields were impressive for some farmers in Georgia. There was a total of 350,000 acres of wheat grain harvested this year (120,000 acres or 52% more than 2012), which produced 19.25 million bushels (71% more than last year). The 2013 Georgia wheat crop per-acre yield was 55 bushels, 12% more than the 2012 per-acre yield and 1 bushel less than the record 2008 crop. Oat acres harvested increased by 5,000 acres over last year. Sixty-five thousand acres of rye were harvested for grain, 63% more than last year. Rye production in Georgia is primarily for forage and/or a cover crop.

SMALL GRAIN CULTURAL PRACTICES

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Fertilization

Soil samples should be taken from all fields to be planted in small grains, whether for grain or grazing. Soil testing prior to planting aids in determining 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-$P_2 0_5$-$K_2 0$ to apply to small grains, based on soil test levels:

Soil Test Rating for Potassium (K_2O)

	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 in preference to 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

	Coastal Plain		Piedmont		Limestone Valley	
Crop	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 2013 planting season are presented in the following tables.

Recommended Grain Varieties for 2013

Barley	Atlantic (S)	Price (S)	
	Nomini (S)	Thoroughbred (S)	
Oat	Gerard 229 (P,M)[2]	Horizon 201 (S)[2]	Plot Spike LA9339 (S)[2]
	Gerard 224 (S)[2]	Horizon 270 (S)[2]	SS 76-50 (P,M)[2]
		Horizon 306 (S)[2]	*TAMO 406 (C)[2]
Wheat	AGS 2026 (S)	*Fleming (C)[3]	SS 8641 (S)
	AGS 2035 (S)	Jamestown (S)[2]	TV8525 (P,M)
	AGS 2038 (S)	LA754 (C)	TV8535 (P,M)
	AGS 2060 (C)[2,3]	Oglethorpe (S)	TV8848 (P,M)
	*Arcadia (C)[2,4]	Pioneer 26R10 (P,M)	TV8861 (P,M)
	Dyna-Gro Baldwin (S)	*Pioneer 26R61 (S)	USG 3555 (P,M)[2,4]
	Dyna-Gro 9171 (P,M)		
Triticale	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.

* To be dropped from list in 2014.

Recommended Forage Varieties for 2013

Oat	Horizon 201 (S)	Plot Spike LA 9339 (C)	
	Horizon 306 (S)	RAM LA99016 (S)	
Wheat	AGS 2038 (S)	Oglethorpe (P,M)	Roberts (P,M)[2]
	*Coker 9553 (C)	Pioneer 26R61 (S)	SS8641 (S)
Rye	AGS 104 (S)	Florida 401 (C)[2]	Wrens Abruzzi (S)
	Bates RS4 (S)	Wren 96 (S)	
Triticale	Monarch (C,P)	Trical 342 (C,P)	
Ryegrass	*Attain (S)	*Jumbo (C)	*Prine (P,M)
	*Big Boss (S)	Marshall (S)	*Rio (C,P)
	Diamond T (C)	ME-94 (S)	TAMTBO (S)
	*Early Ploid (S)	Nelson (S)	*Vendure (C)
	Fria (M)	Passerel Plus (P,M)	Winterhawk (P,M)
	Jackson (C)		

1. M = Mountains; P = Piedmont; C = Coastal Plain; S = Statewide.
2. Suitable for early planting.

* To be dropped from list in 2014.

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 2013

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, Ga.

Table 3. Seeding rates for wheat based on seed size[1].

	Desired Population (seeds per square foot)						
	30	32	34	35	36	38	40
Seed Size	Seeding Rate						
seeds/lb	---------- 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, 2013

Wheat

	Resistance											
Brand-Variety	Leaf Rust	Stripe Rust	Glume Blotch	Powdery Mildew	BYD[1]	SBWM[2]	Hessian Fly	Test Weight	Maturity	Straw Strength	Vernalization Requirement	Awned
AGS 2026	good	good	good	good	fair	good	good*	good	medium	fair	short	no
AGS 2035	good	good	fair	fair	fair	good	good	good	medium	good	short	yes
AGS 2038	good	good	fair	good	fair	good	fair	good	med.late	good	medium	yes
AGS 2060	good	good	good	poor	fair	fair	good	good	early	fair	short	yes
Arcadia	good	fair	fair	fair	fair	good	poor	good	medium	fair	short	yes
Dyna-Gro Baldwin	good	good	good	fair	fair	good	fair	good	med.late	good	medium	yes
Dyna-Gro 9171	good	good	good	fair	fair	good	poor	fair	late	good	long	yes
Fleming	good	fair	fair	good	poor	poor	poor	good	early	fair	short	yes
Jamestown	poor	good	fair	good	fair	good	poor	good	medium	good	short	yes
LA754	good	good	fair	poor	fair	good	good	good	early	good	short	yes
Oglethorpe	good	good	good	fair	fair	good	good*	good	medium	fair	short	no
Pioneer 26R10	fair	good	good	fair	fair	good	good	good	late	good	long	yes
Pioneer 26R61	fair	good	fair	fair	fair	good	good	good	medium	good	medium	yes
Roberts	poor	poor	good	good	fair	good	poor	good	late	fair	med. long	no
SS8641	good	good	fair	good	fair	good	good	good	medium	good	medium	no
TV8525	good	good	good	fair	fair	good	poor	good	late	good	long	yes
TV8535	good	good	good	fair	good	good	poor	fair	late	good	long	yes
TV8848	good	good	good	fair	good	good	good	fair	late	good	long	yes
TV8861	fair	good	good	good	fair	good	good	good	late	good	med. long	yes
USG 3555	poor	good	fair	good	fair	good	poor	fair	medium	good	med. long	no
Triticale												
Monarch	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. Soil-borne wheat mosaic virus.
* Resistant to Bio-Type L.

Oat

	Resistance					
Brand-Variety	Crown Rust	BYD	Cold Hardiness	Maturity	Test Weight	Straw Strength
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
Horizon 321	poor	fair	good	medium	good	good
NK-Coker 227	poor	poor	fair	medium	good	good
Plot Spike LA 9339	poor	fair	good	medium	good	good
RAM LA99016	poor	fair	good	medium	good	good
SS 76-50	poor	fair	good	medium	good	good
TAMO 406	poor	fair	good	early	good	good

Barley

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

SMALL GRAIN UPDATES

DISEASES

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Fall weather conditions added difficulties in getting the wheat crop planted. The exceedingly dry conditions in the fall made land preparation difficult and low soil moisture hampered seedling emergence. Many growers, particularly in the southern part of the state, planted very late into the fall. Drier and warmer conditions into late December and January resulted in modest crop establishment. Moister and much cooler temperatures in late January through late April led to several disease issues. However, drier conditions in May in the southern part of the state contributed to record yields for some growers. Rain showers in late May and June made it difficult for some growers to get the crop harvested. Seed quality for fall planting could be an issue.

This was the year of mildew. Powdery mildew arrived early in the season and stayed late into the spring, with the highest disease levels observed in Georgia in many years. Growers began calling in problem fields in February and continued through May. Normally, mildew infections decrease in April as the temperature warms; however, the cooler and moister conditions continuing late into the spring produced mildew infections at epidemic proportions. Many fields were treated early with fungicides due to high levels of infection.

Stripe rust (*Puccinia striiformis*) was observed at Griffin and Plains where plots were artificially inoculated. Stripe rust was also found in a number of grower fields in the state. The incidence of the disease was very high, with almost every wheat-growing county in Georgia reporting stripe rust fields. However, the rust disease severity was low due to earlier fungicide applications for powdery mildew. A number of production fields were sprayed to control stripe rust. Growers should know the disease characteristics of the varieties they are growing.

Leaf rust (*Puccinia triticina*) was observed at low to moderate levels across the state. The cooler spring held the disease development back. The growers spraying fungicides earlier for powdery mildew and stripe rust also reduced leaf rust infections.

Leaf and glume blotch (*Stagonospora nodorum*) were observed at moderate levels across the state, primarily at the end of the season.

Fusarium head scab was reported in a number or fields in Georgia due to the long, cool and wet spring.

Barley yellow dwarf virus (BYDV) was observed at moderate to high levels across the state. BYDV was observed in the state wheat trials at Tifton, Plains and Griffin. The initial warm fall and early winter led to a high fall infection due to the build-up of aphid populations.

Helminthosporium spot blotch (*Bipolaris sorokiniana* or *Drechslera sorokiniana*) was also observed at low levels across the southern part of the state, as was tan spot (*Pyrenophora tritici-repentis*).

INSECTS

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The variety tests were sampled for Hessian fly, *Mayetiola destructor*, in late January 2013 at Southwest Branch Research and Education Center near Plains when plants were in the 2-4 tiller stage. One row-foot of plants were collected and dissected to determine percentage of infested plants and number of Hessian fly immatures per plant. The variety tests at the Bledsoe Research farm near Griffin, the UGA-Tifton campus, and at the UGA Lang Farm near Tifton, Ga., were sampled at early dough stage. A single sample of 20 stems was inspected for Hessian fly infestation in each variety. Early-maturing lines will also be evaluated in a separate test at Tifton. Results are shown in the next tables.

Infestations were large at all locations. Most lines tested were moderately to highly susceptible to Hessian fly; however, several commercial varieties and a number of experimental lines exhibited good levels of resistance. All the entries in the late planted (early maturing lines) trial at Tifton were susceptible to Hessian fly.

Hessian fly infestation in wheat entries in the 2012-2013 Georgia Small Grain Performance Tests, Plains, Griffin and Tifton, Georgia

	Plains[§]		Griffin		Tifton	
Entry name	% Infested plants	No. Immatures /plant	% Infested	No. Immatures /plant	% Infested	No. Immatures /plant
AgriMAXX 413	79.32*	2.50*	50	1.50	90	3.00
AgriMAXX 415	67.70*	2.21*	30	0.90	35	0.95
AGS 2026	0	0	0	0	0	0
AGS 2035	36.35*	0.94*	15	0.50	5	0.05
AGS 2038	32.58*	0.73	20	0.55	0	0
AGS 2060	6.67	0.17	5	0.10	0	0
Arcadia	63.26*	2.30*	45	0.85	0	0
B06-0686	57.33*	1.55*	15	0.55	35	0.65
B08-0313	54.01*	1.83*	45	1.20	10	0.15
DynaGro Baldwin	50.22*	1.45*	10	0.25	5	0.05
DynaGro 9171	81.33*	2.85*	70	2.55	-	-
FL01008 (triticale)	53.04*	1.41*	0	0	-	-
FL01143 (triticale)	54.67*	1.52*	10	0.15	-	-
GA 051304-12E28	84.87*	2.73*	30	0.35	40	0.85
GA Gore	70.48*	2.38*	5	0.05	10	0.30
GA031086-10E26	2.67	0.03	0	0	0	0
GA031134-10E29	0	0	0	0	0	0
GA031257-10LE34	45.33*	1.59*	5	0.05	45	1.10
GA03185-12LE29	20.37*	0.56	0	0	0	0
GA03564-12E6	5.88	0.10	0	0	0	0
GA041052-11E51	4.00	0.07	35	0.75	0	0
GA041272-12E42	7.78	0.12	45	0.65	0	0
GA041293-11E54	14.83*	0.28	30	0.70	0	0
GA041293-11LE37	8.00	0.16	35	0.80	0	0
GA041323-11E63	31.12*	1.04*	10	0.20	5	0.05
GA041418-11EE16	75.56*	2.59*	40	1.15	-	-
GA04151-11E26	0	0	0	0	0	0
GA04244-12LE16	7.59	0.11	25	0.55	0	0
GA04268-12E4	63.54*	1.22*	25	0.30	45	0.90
GA04417-11E21	23.22*	0.30	45	1.35	35	0.90
GA04417-12E33	2.92	0.06	0	0	0	0
GA04434-11E44	11.19*	0.16	20	0.75	0	0
GA04434-12LE28	13.26*	0.15	30	0.65	0	0
GA04494-11E49	4.48	0.04	25	0.50	0	0
GA04500-11LE11	2.67	0.09	15	0.30	0	0
GA04570-10E46	1.33	0.03	0	0	0	0
GA051754-12LE12	4.35	0.07	0	0	0	0
GA051754-12LE13	0	0	0	0	0	0
GA05304-12E35	7.54	0.14	0	0	0	0
GA07163-12LE9	2.00	0.02	10	0.10	0	0
GA07270-12E15	5.78	0.08	10	0.35	0	0
Jamestown	42.67*	0.77	40	1.15	5	0.10
LA02015E201	58.67*	1.67*	35	0.90	35	0.50
LA03200E2	1.33	0.01	0	0	0	0
LA754 (LA01110D-150)	9.35	0.18	35	0.80	10	0.60
LA841	9.88	0.11	30	0.80	0	0
Monarch (triticale)	38.22*	0.85*	5	0.05	-	-
NC07-1088	48.89*	1.92*	10	0.10	-	-
NC08-23089	69.26*	2.36*	10	0.15	35	0.50
NC08-23324	61.33*	1.73*	15	0.15	0	0

Hessian fly infestation in wheat entries in the 2012-2013 Georgia Small Grain Performance Tests, Plains, Griffin and Tifton, Georgia (Continued)

Entry name	Plains[§] % Infested plants	Plains[§] No. Immatures /plant	Griffin % Infested	Griffin No. Immatures /plant	Tifton % Infested	Tifton No. Immatures /plant
NC08-26	44.49*	1.06*	15	0.35	-	-
NC09-22402	67.79*	2.57*	50	1.35	50	1.25
NC-Cape Fear	77.87*	1.99*	35	0.50	40	1.00
NC-Yadkin	53.33*	1.35*	80	2.00	60	2.30
NK-Coker 9700	92.61*	3.30*	10	0.40	35	0.70
Oglethorpe	5.85	0.06	0	0	0	0
P 117	73.33*	2.59*	40	1.40	45	0.85
P 125	84.35*	1.93*	25	0.40	45	0.80
P 185	79.78*	2.50*	75	1.90	65	1.50
P 308	64.67*	1.71*	45	0.85	95	3.85
P 357	60.00*	1.83*	60	1.55	70	0.90
P 870	80.00*	2.55*	45	0.75	85	3.70
PGX 12-10	69.58*	1.66*	25	0.35	80	3.80
PGX 12-3	83.97*	3.47*	15	0.25	70	1.10
Pioneer 26R10	9.33	0.11	0	0	0	0
Pioneer 26R20	1.33	0.01	10	0.15	5	0.10
Pioneer 26R41	1.33	0.01	0	0	5	0.10
Pioneer 26R53	42.67*	0.58	5	0.05	25	0.45
Pioneer 26R87	52.00*	1.99*	40	1.45	70	2.45
Roberts	70.67*	2.45*	20	0.25	-	-
SS 520	83.67*	2.49*	5	0.10	35	0.85
SS 8308	29.91*	0.64	20	0.30	5	0.10
SS 8340	62.92*	1.77*	90	4.30	50	1.15
SS 8404	66.81*	2.41*	65	2.00	75	2.00
SS 8412 (VA06W-412)	56.57*	1.54	35	0.45	10	0.10
SS 8641	6.67	0.11	20	0.40	10	0.40
Trical 342 (triticale)	53.67*	1.67*	0	0	-	-
TV8525	67.54*	1.96*	40	0.65	75	1.60
TV8535	80.00*	3.02*	60	1.05	45	1.35
TV8848	3.00	0.05	0	0	-	-
TV8861	12.00*	0.15	5	0.15	-	-
USG 3120	4.76	0.10	15	0.20	0	0
USG 3153	65.64*	1.45*	70	2.75	30	0.95
USG 3201	82.32*	2.99*	95	4.20	50	0.85
USG 3555	69.76*	1.94*	20	0.30	60	1.05
USG 3833	4.00	0.04	50	0.55	30	0.70
USG 3933	60.00*	1.99*	15	0.40	30	0.70
VA07W-415	11.22*	0.22	10	0.15	0	0
VA09W-73	67.42*	2.00*	15	0.45	15	0.35
VA09W-75	42.45*	0.69	15	0.20	0	0
XW11G	69.06*	2.19*	65	2.55	75	1.70
LSD (0.05)	--	1.02	-	-	-	-
LSD (0.10)	--	0.85	-	-	-	-
F	12.51	8.11	-	-	-	-
P	0.0001	0.0001	-	-	-	-

[§] Results at Plains from 3 samples of 15-29 plants (0.5 ft row) per sample at 3-tiller stage in late January. Results at Griffin and Tifton were from one sample of 20 stems.

* Entry significantly greater than zero at alpha = 0.10.

Hessian fly infestations of entries in the late-planted (early maturing lines) wheat trial, Tifton, Georgia, 2012-2013

	Tifton	
Entry name	% Infested	No./stem
AgriMAXX 413	50	1.75
AGS 2060	10	0.55
Arcadia	45	1.75
Coker 9700	85	5.00
GA041418-11EE16	20	1.00
Jamestown	30	1.15
LA02015E201	15	0.65
P 117	25	1.30
P 125	40	1.95
Pioneer 26R87	25	0.45
SS 520	5	0.20
USG 3555	35	2.05

* Results from single non-replicated block of 20 stems per plot

Wheat

Tifton, Georgia:
Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date	2013 Data Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
GA04570-10E46	**89.5**	**89.4**	7	91.9	62.0	43	0	04/01	100
Jamestown	**85.2**	86.3	4	**96.6**	61.0	39	0	04/04	100
AGS 2035	84.5	83.1	23	82.2	60.5	43	0	04/01	100
Oglethorpe	84.3	81.1	15	84.9	59.4	40	0	04/07	100
AGS 2026	83.2	78.8	24	81.8	59.0	40	1	04/08	100
SS 8641	82.0	80.8	26[T]	81.3	58.8	42	0	04/10	100
GA031134-10E29	82.0	78.8	30	80.1	59.4	39	4	04/10	100
GA031086-10E26	80.3	80.0	14	85.3	59.2	39	0	04/11	100
AGS 2038	80.3	79.6	22	82.3	60.3	45	0	04/01	100
GA031257-10LEL34	79.3	74.3	47	71.9	60.7	38	0	04/11	100
LA754	78.5	74.9	50	69.2	59.8	39	1	04/05	100
Coker 9700	78.0	73.2	48	71.8	59.6	38	0	03/28	100
P 125	77.5	69.4	42	72.9	58.0	37	0	04/06	100
USG 3555	75.8	67.6	45	72.6	58.2	38	0	04/09	100
Arcadia	75.5	73.4	46	72.1	52.7	39	0	04/05	100
Dyna-Gro Baldwin	75.0	74.7	33	77.1	61.1	42	0	04/06	100
AGS 2060	73.8	72.6	54	65.9	58.4	40	1	04/01	100
SS 8308	73.3	64.8	49	69.5*	59.8	39	5	04/11	100
SS 8404	73.2	70.8	40	74.3	60.9	36	0	04/10	100
P 117	71.3	67.5	39	74.4	58.2	39	0	04/04	100
LA841	69.5	68.4	55	65.7	57.2	38	0	04/04	100
Pioneer 26R10	69.2	65.1	56	64.3*	55.4	37	4	04/18	100
GA-Gore	65.3	61.8	62	53.1	57.7	41	15	04/11	100
SS 520	65.0	56.8	63	52.7	57.8	40	11	04/13	100
TV8525	64.7	53.1	66	48.5*	55.7	36	8	04/15	100
P 185	64.0	55.0	64	52.3*	56.0	40	9	04/14	100
TV8535	50.2	33.8	73	36.9*	53.4	32	18	04/19	100
GA041293-11E54	.	**92.4**	2	**99.6**	59.6	40	0	04/02	100
GA04434-11E44	.	**89.0**	16	84.5	58.8	38	0	03/31	100
GA041052-11E51	.	**87.4**	12	88.9	58.1	38	0	03/28	100
GA04494-11E49	.	**86.8**	5	95.3	60.9	39	0	04/03	100
GA041293-11LE37	.	84.7	8	91.7	61.1	41	1	04/06	100
GA041323-11E63	.	79.8	17	84.2	59.1	39	0	04/04	100
GA04151-11E26	.	79.5	27	81.0	61.9	39	5	04/05	100
GA04500-11LE11	.	79.1	13	87.1	57.6	39	0	04/05	100
SS 8412	.	78.3	28	80.8	60.6	37	0	03/28	100
LA02015E201	.	77.4	36	75.6	59.2	38	1	03/29	100
VA07W-415	.	76.8	35	76.0	59.1	39	0	04/14	100
NC08-23089	.	76.6	41	74.2	58.7	39	0	03/28	100
GA04417-11E21	.	73.9	32[T]	78.5	60.5	39	3	03/18	100

Tifton, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Pioneer 26R20	.	67.9	44	72.7*	56.9	41	0	04/19	100
SS 8340	.	50.8	69	44.7*	59.6	33	1	04/17	100
NC-Cape Fear	.	46.8	68	44.8*	58.3	36	4	04/07	100
NC-Yadkin	.	35.9	75	33.4*	51.7	35	6	04/18	100
P 870	.	33.6	76	33.3*	53.3	33	13	04/17	100
P 357	.	30.2	77	31.9*	51.9	31	10	04/20	100
GA07163-12LE9	.	.	1	**106.4**	58.7	39	0	04/02	100
GA04434-12LE28	.	.	3	**97.3**	59.3	38	0	03/30	100
GA041272-12E42	.	.	6	94.9	60.5	40	0	04/05	100
GA04417-12E33	.	.	9	91.3	60.8	41	9	04/07	100
GA03185-12LE29	.	.	10	91.1	63.9	43	0	04/03	100
GA051754-12LE13	.	.	11	89.5	59.3	40	0	03/31	100
GA03564-12E6	.	.	18	83.7	58.3	39	0	04/06	100
LA03200E-2	.	.	19	83.2	62.0	39	0	04/06	100
NC08-23324	.	.	20	83.0	60.6	39	0	04/06	100
USG 3120	.	.	21	82.6	60.1	39	0	03/28	100
GA04244-12LE16	.	.	25	81.7	62.4	41	0	04/04	100
B06-0686	.	.	26[T]	81.3	58.0	37	1	04/05	100
B08-0313	.	.	29	80.3	59.5	36	0	03/26	100
GA04268-12E4	.	.	31	79.4	61.6	39	0	04/01	100
GA051754-12LE12	.	.	32[T]	78.5	58.9	39	1	04/04	100
Pioneer 26R41	.	.	34	76.3*	57.8	37	0	04/19	100
VA09W-75	.	.	37	75.0	57.5	39	1	03/24	100
GA051304-12E28	.	.	38	74.9	57.7	39	0	04/10	100
Pioneer 26R87	.	.	43	72.8	62.0	40	0	04/11	100
GA07270-12E15	.	.	51	68.6	58.6	38	1	04/05	100
GA05304-12E35	.	.	52	68.3	60.3	40	0	04/06	100
NC09-22402	.	.	53	66.9	57.7	39	0	04/10	100
VA09W-73	.	.	57	63.2	55.6	35	3	04/03	100
P 308	.	.	58	59.5*	58.1	36	5	04/16	100
PGX 12-10	.	.	59	58.3*	56.6	37	9	04/17	100
Pioneer 26R53	.	.	60	55.7*	60.0	36	3	04/15	100
AgriMAXX 415	.	.	61	54.0*	59.4	34	0	04/14	100
USG 3993	.	.	65	52.0*	57.3	40	8	04/16	100
USG 3201	.	.	67	46.6*	57.3	33	6	04/17	100
USG 3833	.	.	70	43.9*	50.8	39	5	04/22	100
USG 3013	.	.	71	41.7*	55.2	38	19	04/17	100
PGX 12-3	.	.	72	40.4*	53.9	33	6	04/17	100
AgriMAXX 413	.	.	74	34.3*	52.5	33	10	04/24	100
Pioneer XW11G	.	.	78	24.1*	50.4	35	18	04/22	100
Average	75.2	70.5		70.9 [2]	58.4	38	3	04/08	100
LSD at 10% Level	4.4	5.6		9.8	2.5	2	5	07	-
Std. Err. of Entry Mean	1.9	2.4		4.2	1.1	1	2	03	-

Tifton, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

* Warm winter weather and lack of vernalization reduced wheat performance at this location.
1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 11.8%, and df for EMS = 237.

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

Planted:	November 12, 2012.
Harvested:	May 30, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = Medium, K = Medium, and pH = 5.4.
Fertilization:	Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
	Topdress: 60 lb N/acre.
Management:	Disked and rototilled; Glean used for weed control; applied 1000 lb/acre lime.
Previous Crop:	Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn and B. McCranie.

Tifton, Georgia:
Late-Planted Wheat Grain Performance, 2012-2013

	Yield[1]		2013 Data					
Brand-Variety	3-Year Average	2-Year Average	Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Jamestown	**39.4**	**30.5**	5	12.3*	.	.	.	
Coker 9700	**37.7**	**25.4**	1	**21.5**	.	.	.	.
Arcadia	**35.9**	**27.4**	2	**18.2**	.	.	.	.
AGS 2060	**35.1**	**25.3**	7[T]	7.8	.	.	.	.
P 117	**31.7**	**17.2**	7[T]	7.8	.	.	.	.
USG 3555	**27.2**	**8.9**	8	5.0	.	.	.	.
SS 520	**22.5**	**7.2**	10	2.2	.	.	.	.
GA041418-11EE16	.	**35.4**	4	14.1	.	.	.	.
P 125	.	**14.8**	6	9.5	.	.	.	.
LA02015E201	.	.	3	**17.6**	.	.	.	.
Pioneer 26R87	.	.	9	3.4	.	.	.	
AgriMAXX 413	.	.	11	0.5	.	.	.	
								.
Average	32.8	21.3		10.0 [2]	.	.	.	
LSD at 10% Level	N.S.[3]	N.S.		5.2				
Std. Err. of Entry Mean	1.4	1.6		2.2				

* Warm winter weather and lack of vernalization reduced wheat performance at this location.

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 43.4%, and df for EMS = 33.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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, 2012/
Harvested: June 26, 2013.
Seeding Rate: 22 seeds per foot in 7" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.4.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and rototilled; Glean, Osprey and Powerflex used for weed control; applied 1,000 lb/acre lime.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Mildew	Stripe Rust	Leaf Rust	Septoria
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%	%	%
GA04570-10E46	**85.8**	**86.5**	12	89.9	59.5	46	5	.	8	0	0	0
SS 8641	**83.6**	**84.2**	3	**98.7**	57.7	45	20	.	0	0	0	0
Oglethorpe	**81.3**	76.9	31	82.0	55.1	43	9	.	8	0	0	0
GA031086-10E26	**81.2**	78.0	19	86.2	55.2	42	53	.	1	0	0	3
AGS 2026	79.1	73.0	41[T]	76.7	55.1	42	31	.	10	0	6	3
Coker 9700	79.0	73.7	54	70.2	57.0	41	36	.	3	5	5	0
AGS 2035	78.9	74.1	61	66.3	58.0	45	36	.	8	0	0	0
Jamestown	78.6	75.5	33	81.5	58.8	40	8	.	0	0	28	0
GA031134-10E29	78.5	76.5	13	89.7	56.9	42	40	.	1	0	5	5
LA754	77.4	77.0	28	83.0	56.8	44	50	.	3	0	0	0
AGS 2038	77.1	73.9	49[T]	72.2	57.2	47	40	.	8	3	0	0
P 125	75.8	69.6	47	74.6	55.0	42	0	.	20	0	15	0
GA031257-10LEL34	74.4	69.5	6	**95.6**	58.1	41	5	.	1	3	0	0
USG 3555	73.9	70.4	45	75.8	53.8	40	8	.	0	0	8	5
LA841	73.5	70.8	44	76.1	55.6	43	20	.	8	0	0	5
P 117	71.6	66.4	46	75.5	57.0	45	3	.	15	10	25	0
Arcadia	71.3	66.8	59	66.7	57.4	43	5	.	40	3	0	0
Dyna-Gro Baldwin	71.3	66.4	49[T]	72.2	56.1	47	8	.	20	1	0	0
AGS 2060	71.2	70.9	48	72.4	58.0	44	10	.	35	0	0	0
SS 8308	69.9	59.8	58	68.4	56.9	43	20	.	0	15	60	0
TV8525	68.2	60.2	34	79.4	56.8	44	0	.	1	3	8	5
Pioneer 26R10	68.1	58.5	52	71.4	54.2	42	3	.	13	0	15	0
P 185	66.4	58.3	62	64.8	55.6	43	1	.	13	35	23	0
GA-Gore	64.9	60.6	60	66.6	53.7	44	53	.	6	18	10	0
TV8535	63.9	54.6	64	63.2	54.9	40	0	.	5	0	16	0
SS 8404	58.6	45.5	67	58.7	54.9	38	0	.	13	28	0	0
SS 520	58.5	46.4	71	50.1	50.5	43	49	.	1	58	0	0
GA041323-11E63	.	**89.1**	5	**96.4**	57.3	42	3	.	8	0	10	5
GA04417-11E21	.	**84.9**	1	**102.5**	58.2	44	14	.	15	0	0	3
GA041293-11E54	.	**84.9**	14	89.6	58.2	42	1	.	0	3	0	0
GA04434-11E44	.	**84.8**	9	**92.1**	55.5	42	18	.	0	1	0	3
GA041293-11LE37	.	**84.5**	4	**97.1**	58.9	44	0	.	0	0	0	0
VA07W-415	.	**81.6**	8	**93.8**	56.2	46	53	.	0	0	10	5
GA04494-11E49	.	**78.9**	15	88.1	58.7	41	0	.	13	0	0	0
GA041052-11E51	.	78.3	24	83.5	57.9	38	1	.	0	0	0	3
GA04151-11E26	.	77.5	41[T]	76.7	58.8	43	26	.	8	0	0	0
GA04500-11LE11	.	74.3	20	85.8	54.4	43	5	.	15	0	0	0
LA02015E201	.	71.0	43	76.5	58.1	39	8	.	5	3	0	0
SS 8412	.	67.1	51	71.9	55.1	38	0	.	6	35	0	0
SS 8340	.	61.8	57	69.1	57.4	41	1	.	5	0	21	0

Plains, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Mildew	Stripe Rust	Leaf Rust	Septoria
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%	%	%
NC08-23089	.	57.9	63	64.6	55.3	40	1	.	3	33	0	0
Pioneer 26R20	.	57.6	39	77.3	56.5	44	5	.	3	0	3	0
P 870	.	48.8	68	58.5	53.2	39	0	.	8	0	3	0
NC-Cape Fear	.	40.5	74	46.7	53.7	43	41	.	0	80	0	0
P 357	.	33.8	76	42.6	48.9	42	4	.	10	0	75	0
NC-Yadkin	.	30.5	75	46.0	54.5	41	5	.	0	30	0	0
GA03185-12LE29	.	.	2	**98.8**	61.5	47	15	.	10	0	0	5
GA041272-12E42	.	.	7	**95.2**	57.4	44	20	.	0	5	0	3
GA04268-12E4	.	.	10	**91.5**	59.4	40	10	.	33	1	0	0
VA09W-73	.	.	11	90.0	55.8	41	0	.	5	5	3	8
GA051754-12LE12	.	.	16	87.6	56.1	43	14	.	5	5	0	5
GA05304-12E35	.	.	17	87.5	58.4	42	0	.	8	0	3	0
GA07270-12E15	.	.	18	86.8	58.3	42	0	.	3	0	0	0
GA04417-12E33	.	.	21[T]	84.6	56.4	44	8	.	0	3	20	5
GA04244-12LE16	.	.	21[T]	84.6	59.9	44	13	.	6	1	0	0
GA03564-12E6	.	.	22	84.4	58.9	43	28	.	3	1	0	0
GA04434-12LE28	.	.	23	83.6	56.4	39	18	.	0	0	0	5
Pioneer 26R41	.	.	25[T]	83.4	57.9	40	0	.	8	0	15	0
GA07163-12LE9	.	.	25[T]	83.4	55.8	44	15	.	0	0	1	0
NC09-22402	.	.	26	83.3	57.0	43	8	.	0	0	0	1
Pioneer 26R87	.	.	27	83.1	59.9	44	1	.	0	0	0	0
B08-0313	.	.	29	82.7	57.1	40	6	.	3	0	5	0
LA03200E-2	.	.	30	82.3	57.8	42	23	.	3	0	0	5
GA051304-12E28	.	.	32	81.8	56.1	43	23	.	0	10	0	10
USG 3120	.	.	35	79.1	58.0	44	30	.	0	0	0	10
GA051754-12LE13	.	.	36	78.3	56.8	43	0	.	13	0	0	5
VA09W-75	.	.	37	77.9	55.3	39	0	.	0	0	0	0
B06-0686	.	.	38	77.6	57.4	38	0	.	3	0	0	0
USG 3201	.	.	40	77.1	57.8	41	3	.	13	0	13	0
Pioneer 26R53	.	.	42	76.6	58.2	41	0	.	13	0	1	0
PGX 12-10	.	.	50	72.0	54.2	42	8	.	13	0	43	0
USG 3013	.	.	53	70.4	52.8	45	25	.	20	0	55	0
P 308	.	.	55	69.8	55.8	42	4	.	1	1	43	0
AgriMAXX 415	.	.	56	69.4	57.4	41	6	.	8	0	8	0
AgriMAXX 413	.	.	65	61.3	54.8	39	0	.	0	0	13	0
USG 3833	.	.	66	60.6	52.4	43	0	.	15	0	3	5
PGX 12-3	.	.	69	58.4	53.2	41	0	.	13	5	8	0
Pioneer XW11G	.	.	70	51.2	54.8	39	8	.	8	0	15	0
USG 3993	.	.	72	49.6	51.7	44	8	.	13	40	0	0
NC08-23324	.	.	73	49.3	50.9	43	3	.	0	75	0	0
Average	73.4	68.1		76.5 [2]	56.3	42	12	.	7	6	7	1
LSD at 10% Level	6.5	10.2		11.2	1.6	2	24		9	10	17	N.S.[3]
Std. Err. of Entry Mean	2.8	4.4		4.8	0.7	1	10		4	4	7	3

Plains, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 12.5%, and df for EMS = 237.
3. The F-test indicated no statistical difference at the alpha = 0.1 probability level; therefore, an LSD value was not calculated.

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

Planted:	November 9, 2012.
Harvested:	June 5, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = High, and pH = 5.8.
Fertilization:	Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
	Topdress: 80 lb N/acre.
Management:	Disked, chiseled and rototilled; Harmony Extra and Osprey used for weed control.
Previous Crop:	Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Jamestown	**88.7**	**89.1**	4	**93.5**	59.0	41	10	04/15
AGS 2026	**88.3**	83.9	18	80.8	54.3	43	40	04/17
SS 8641	**87.2**	**87.1**	3	**95.4**	57.2	46	8	04/17
Oglethorpe	**86.3**	**84.2**	12	86.4	54.9	43	29	04/15
AGS 2060	**85.8**	**89.5**	5	**92.9**	58.5	45	0	04/15
USG 3555	**85.3**	**85.9**	2	**97.1**	56.2	40	0	04/17
Coker 9700	**85.3**	**84.8**	10	87.4	58.3	42	24	04/15
AGS 2038	**84.7**	**86.4**	8	89.9	57.1	47	38	04/15
P 125	**84.7**	80.8	13[T]	86.2	56.1	43	9	04/15
AGS 2035	84.4	83.5	16[T]	83.3	57.6	47	19	04/15
Dyna-Gro Baldwin	84.1	**84.5**	14	85.3	57.5	47	30	04/15
P 117	84.1	83.4	7	**90.7**	57.3	46	18	04/15
SS 8404	81.0	76.3	9	89.6	58.3	42	0	04/16
Pioneer 26R10	80.2	75.6	11	87.2	55.9	44	1	04/21
Arcadia	78.1	74.8	21	79.2	57.2	43	5	04/15
LA841	77.4	77.5	17	81.9	55.2	44	25	04/15
SS 8308	77.3	69.7	28	73.6	56.9	45	19	04/19
TV8525	73.7	66.9	19	80.1	57.4	43	0	04/18
GA-Gore	72.5	69.5	27	74.2	53.7	47	64	04/18
TV8535	69.5	58.7	34	68.5	54.5	39	1	04/24
P 185	68.7	61.8	31	72.5	56.1	44	0	04/18
SS 520	68.1	60.5	30	72.7	53.4	45	25	04/15
SS 8340	.	71.2	16[T]	83.3	57.6	42	0	04/19
Pioneer 26R20	.	60.9	26[T]	74.9	56.8	45	3	04/24
NC-Cape Fear	.	56.3	29	73.5	56.9	45	2	04/16
P 870	.	54.2	33	70.3	53.4	38	1	04/24
P 357	.	50.3	38	58.9	51.2	42	1	04/24
NC-Yadkin	.	45.3	37	63.3	55.0	43	0	04/24
Pioneer 26R41	.	.	1	**98.3**	57.4	41	0	04/20
Pioneer 26R53	.	.	6	**91.8**	58.1	41	3	04/23
Pioneer 26R87	.	.	13[T]	86.2	59.5	44	16	04/16
PGX 12-10	.	.	15	84.7	54.1	45	8	04/19
USG 3201	.	.	16[T]	83.3	56.9	43	0	04/24
P 308	.	.	16[T]	83.3	57.2	43	5	04/18
USG 3013	.	.	20	79.5	55.6	46	0	04/19
AgriMAXX 415	.	.	22	78.7	56.9	42	0	04/23
USG 3120	.	.	23	76.5	56.8	44	39	04/15
AgriMAXX 413	.	.	24	75.3	54.6	42	1	04/25
USG 3993	.	.	25	75.0	56.6	48	0	04/20
PGX 12-3	.	.	26[T]	74.9	53.8	42	1	04/24
Dyna-Gro 9171	.	.	32	71.3	53.9	40	0	04/23
Pioneer XW11G	.	.	35	65.9	57.6	43	5	04/27
USG 3833	.	.	36	64.5	54.9	44	0	04/26
Average	80.7	73.3		80.5 [2]	56.2	43	10	04/19
LSD at 10% Level	4.2	5.3		8.2	0.9	2	20	01
Std. Err. of Entry Mean	1.8	2.2		3.5	04	1	9	01

Plains, Georgia:
Wheat Grain Performance with Foliar Fungicide, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 8.7%, and df for EMS = 126.

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

Planted:	November 9, 2012.
Harvested:	June 12, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = High, and pH = 5.8.
Fertilization:	Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre. Topdress: 80 lb N/acre.
Management:	Disked, chiseled and rototilled; Harmony Extra and Osprey used for weed control; Headline used for disease control.
Previous Crop:	Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunne, B. McCranie, D. Pearce and W. Jones.

Plains, Georgia:
Effect of Fungicide on Wheat Grain Yield, 2012-2013

Brand-Variety	Yield[1] no fungicide	Yield[1] fungicide[2]	Difference with Fungicide	Change with Fungicide	Leaf Rust[3]	Stripe Rust[3]	Mildew[e]	Septoria[3]
	--------- bu/acre ---------		bu/acre	%	%	%	%	%
SS 8641	**98.7**	**95.4**	-3.3	-3.4	0	0	0	0
Pioneer 26R41	83.4	**98.3**	14.9	17.9	15	0	8	0
Pioneer 26R87	83.1	86.2	3.1	3.8	0	0	0	0
Oglethorpe	82.0	86.4	4.4	5.4	0	0	8	0
Jamestown	81.5	**93.5**	12.0	14.7	28	0	0	0
TV8525	79.4	80.1	0.7	0.8	8	3	1	5
USG 3120	79.1	76.5	-2.6	-3.3	0	0	0	10
Pioneer 26R20	77.3	74.9	-2.4	-3.1	3	0	3	0
USG 3201	77.1	83.4	6.3	8.2	13	0	13	0
AGS 2026	76.7	80.8	4.0	5.2	6	0	10	3
Pioneer 26R53	76.6	**91.8**	15.3	20.0	1	0	13	0
LA841	76.1	81.9	5.9	7.7	0	0	8	5
P 117	75.5	**90.8**	15.4	20.3	25	10	15	0
P 125	74.6	86.2	11.6	15.6	15	0	20	0
AGS 2060	72.4	**92.9**	20.5	28.3	0	0	35	0
AGS 2038	72.2	89.9	17.7	24.5	0	3	8	0
Dyna-Gro Baldwin	72.2	85.3	13.1	18.2	0	1	20	0
PGX 12-10	72.0	84.7	12.6	17.5	43	0	13	0
Pioneer 26R10	71.4	87.2	15.8	22.2	15	0	13	0
USG 3013	70.4	79.5	9.1	13.0	55	0	20	0
Coker 9700	70.2	87.4	17.2	24.5	5	5	3	0
P 308	69.8	83.4	13.6	19.5	43	1	1	0
AgriMAXX 415	69.4	78.7	9.4	13.5	8	0	8	0
SS 8340	69.1	83.3	14.2	20.5	21	0	5	0
SS 8308	68.4	73.6	5.2	7.6	60	15	0	0
USG 3555	66.8	**97.1**	30.3	45.4	8	0	0	5
Arcadia	66.7	79.2	12.5	18.7	0	3	40	0
GA-Gore	66.6	74.2	7.6	11.4	10	18	6	0
AGS 2035	66.3	83.3	17.0	25.7	0	0	8	0
P 185	64.8	72.5	7.7	11.9	23	35	13	0
SS 8404	64.1	89.6	25.5	39.8	0	28	13	0
TV8535	63.2	68.5	5.3	8.3	16	0	5	0
AgriMAXX 413	61.3	75.3	14.0	22.9	13	0	0	0
USG 3833	60.6	64.5	3.8	6.4	3	0	15	5
P 870	58.5	70.4	11.9	20.3	3	0	8	0
PGX 12-3	58.4	74.9	16.5	28.2	8	5	13	0
Pioneer XW11G	51.2	65.9	14.8	28.8	15	0	8	0
SS 520	50.1	72.7	22.6	45.0	0	58	1	0
USG 3993	49.6	75.0	25.4	51.2	0	40	13	0
NC-Cape Fear	46.7	73.5	26.9	57.6	0	80	0	0
NC-Yadkin	46.0	63.3	17.3	37.7	0	30	0	0
P 357	42.6	58.9	16.3	38.2	75	0	10	0
Average	76.5	80.7	12.1	19.4	7	6	7	1
LSD at 10% Level	11.2	8.2	12.7	23.2	9	10	17	N.S.[4]
Std. Err. of Entry Mean	4.8	3.5	5.4	9.9	4	4	7	3

Plains, Georgia:
Effect of Fungicide on Wheat Grain Yield, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Headline fungicide applied to control fungal diseases.
3. Diseae data of wheat plots untreated with fungicide.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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:
Late-Planted Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Coker 9700	**67.9**	66.3	3	74.2	59.8	38	0	04/16
Jamestown	**66.0**	67.3	2	78.1	59.9	39	0	04/17
AGS 2060	63.8	66.4	4	73.2	60.8	44	8	04/20
Arcadia	61.0	57.8	7	67.5	59.8	42	0	04/19
P 117	58.7	56.8	8	64.6	58.2	41	1	04/18
USG 3555	49.7	41.2	10	61.1	52.7	40	0	04/24
SS 520	38.7	27.5	11	38.0	51.9	43	8	04/24
GA041418-11EE16	.	**77.3**	1	**85.4**	57.3	42	3	04/17
P 125	.	59.4	6	71.2	56.6	40	0	04/18
LA02015E201	.	.	5	72.1	60.4	43	0	04/16
Pioneer 26R87	.	.	9	61.6	57.6	42	0	04/23
AgriMAXX 413	.	.	12	25.0	40.8	31	1	.
Average	58.0	57.8		64.3 [2]	56.3	40	2	04/19
LSD at 10% Level	3.4	4.4		5.4	0.9	1	N.S.[3]	01
Std. Err. of Entry Mean	1.3	1.6		2.3	0.4	1	2	01

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 7.0%, and df for EMS = 33.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 14, 2012.
Harvested: June 5, 2013.
Seeding Rate: 22 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.8.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 80 lb N/acre.
Management: Disked, chiseled and rototilled; Harmony Extra and Osprey used for weed control.
Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Plains, Georgia:
Late-Planted Wheat Grain Performance, with Foliar Fungicide, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Jamestown	**75.4**	**77.9**	1	**87.7**	60.7	41	0	04/17
AGS 2060	**71.4**	74.0	3	75.9	60.8	45	0	04/20
Coker 9700	**71.4**	70.0	4	75.8	60.2	38	3	04/15
P 117	**68.7**	68.0	5	72.5	54.9	42	5	04/17
Arcadia	**65.3**	65.1	6	70.4	59.7	31	0	04/16
USG 3555	**64.5**	58.4	7	63.0	51.5	37	1	04/24
SS 520	**52.7**	40.9	9	43.7	52.9	43	5	04/19
P 125	.	73.1	2	78.3	56.9	40	0	04/17
Pioneer 26R87	.	.	8	60.3	57.2	41	0	04/24
AgriMAXX 413	.	.	10	31.3	36.6	33	0	.
Average	67.0	65.9		65.9 [2]	55.1	39	1	04/18
LSD at 10% Level	N.S.[3]	3.6		4.8	3.8	8	2	01
Std. Err. of Entry Mean	1.4	1.5		2.0	1.6	3	1	01

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 6.0%, and df for EMS = 27.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 14, 2012.
Harvested: June 5, 2013.
Seeding Rate: 22 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.8.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 80 lb N/acre.
Management: Disked, chiseled and rototilled; Harmony Extra and Osprey used for weed control; Headline used for fungal control.
Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Plains, Georgia:
Effect of Fungicide on Wheat Grain Yield, 2012-2013

Brand-Variety	Yield[1] no fungicide	Yield[1] fungicide[2]	Difference with Fungicide	Change with Fungicide	Leaf Rust	Mildew
	--------- bu/acre ---------		bu/acre	%	%	%
Jamestown	**78.1**	**87.7**	9.5	12.2		
Coker 9700	**74.2**	75.8	1.6	2.2		
AGS 2060	**73.2**	75.9	2.7	3.7		
P 125	71.2	78.3	7.1	10.0		
Arcadia	67.5	70.4	2.9	4.3		
P 117	64.6	72.5	7.9	12.2		
Pioneer 26R87	61.6	60.3	-1.3	-2.0		
USG 3555	61.1	63.0	1.9	3.1		
SS 520	38.0	43.7	5.8	15.2		
AgriMAXX 413	25.0	31.3	6.3	25.1		
Average	64.3	65.9	4.4	8.6		
LSD at 10% Level	5.4	4.8	N.S.[3]	N.S.		
Std. Err. of Entry Mean	2.3	2.0	7.4	2.9		

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. Headline fungicide applied to control fungal diseases.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
GA031257-10LEL34	**73.7**	78.0	10	**85.6**	59.0	25	0	.
Dyna-Gro Baldwin	**73.6**	76.8	11	**85.5**	57.3	43	0	.
AGS 2038	**73.1**	78.4	3	**89.9**	57.8	41	0	.
GA031134-10E29	**73.0**	78.3	35[T]	78.0	55.7	29	38	.
GA04570-10E46	**72.4**	76.0	8[T]	**86.5**	55.7	39	0	.
Jamestown	**70.7**	75.3	24	80.0	59.7	36	0	.
SS 8641	**70.6**	74.6	14[T]	84.1	56.5	40	0	.
AGS 2035	**70.2**	70.6	16	83.3	58.0	40	5	.
SS 8404	**69.6**	71.7	41	73.3	57.5	33	25	.
Arcadia	**68.4**	72.8	36	77.7	58.5	37	8	.
USG 3555	**68.3**	71.2	46	70.6	55.0	34	0	.
LA754	67.8	68.7	15	83.9	55.7	42	23	.
Pioneer 26R10	64.5	62.9	62	60.2	54.4	33	25	.
AGS 2060	63.2	68.4	33	78.5	59.0	42	20	.
P 185	63.2	66.0	57	64.1	56.3	40	0	.
SS 8308	63.0	63.4	59[T]	63.0	56.7	35	20	.
AGS 2026	62.8	66.2	20	82.1	56.0	35	49	.
GA031086-10E26	62.4	63.6	37	76.5	57.1	32	38	.
P 125	61.6	65.7	44	71.7	54.5	36	5	.
TV8525	61.3	62.8	60	62.6	55.8	34	13	.
LA841	61.1	67.5	22[T]	80.4	55.1	37	8	.
P 117	60.4	60.5	58	64.0	55.3	36	35	.
Coker 9700	58.5	63.6	32	78.8	57.5	37	10	.
TV8535	57.1	53.0	69	51.7	54.9	36	8	.
GA-Gore	54.9	56.3	61	62.4	55.4	37	45	.
Oglethorpe	54.3	58.9	48	69.4	55.2	38	0	.
SS 520	54.1	57.9	49	69.1	54.3	38	13	.
GA04434-11E44	.	**86.7**	8[T]	**86.5**	57.3	37	20	.
GA041293-11LE37	.	**82.2**	18	82.4	57.4	37	0	.
GA04500-11LE11	.	**81.5**	1	**95.2**	55.1	40	35	.
GA041293-11E54	.	**79.9**	19	82.3	57.1	39	5	.
SS 8412	.	**79.8**	5	**88.1**	58.5	36	0	.
GA04417-11E21	.	78.5	12	84.9	55.5	38	20	.
GA041323-11E63	.	77.9	21	81.1	55.8	35	0	.
GA04151-11E26	.	75.2	23	80.2	56.6	37	10	.
LA02015E201	.	71.1	30[T]	79.1	57.6	34	0	.
VA07W-415	.	71.0	22[T]	80.4	56.8	37	13	.
NC08-23089	.	70.3	35[T]	78.0	57.1	34	5	.
GA041052-11E51	.	69.5	45	71.6	57.0	34	10	.
GA04494-11E49	.	68.6	38[T]	76.1	55.6	36	15	.

Midville, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
SS 8340	.	64.7	59[T]	63.0	56.5	30	0	.
NC-Cape Fear	.	64.0	47	70.4	56.8	35	0	.
Pioneer 26R20	.	59.1	52	66.7	57.2	38	0	.
P 870	.	54.9	40	48.8	52.6	32	8	.
P 357	.	52.3	67	53.4	49.8	32	45	.
NC-Yadkin	.	49.4	68	53.2	55.4	35	18	.
GA03564-12E6	.	.	2	**92.3**	58.5	31	0	.
GA04244-12LE16	.	.	4	**88.8**	56.8	42	38	.
GA051754-12LE12	.	.	6	**87.9**	56.0	38	15	.
GA051304-12E28	.	.	7	**86.9**	56.7	32	0	.
GA07163-12LE9	.	.	9	**86.3**	57.0	39	0	.
GA04434-12LE28	.	.	13	84.5	57.2	38	5	.
USG 3120	.	.	14[T]	84.1	57.6	40	0	.
GA05304-12E35	.	.	17	83.0	57.9	37	0	.
GA03185-12LE29	.	.	25	79.8	60.3	37	0	.
LA03200E-2	.	.	26	79.7	57.0	35	5	.
NC09-22402	.	.	27	79.4	56.1	36	15	.
Pioneer 26R87	.	.	28	79.3	60.2	37	30	.
GA04417-12E33	.	.	29	79.2	58.3	41	23	.
GA04268-12E4	.	.	30[T]	79.1	58.7	31	0	.
GA07270-12E15	.	.	30[T]	79.1	55.7	36	15	.
B08-0313	.	.	31[T]	79.0	57.1	32	23	.
GA051754-12LE13	.	.	31[T]	79.0	55.2	38	0	.
NC08-23324	.	.	34	78.2	56.1	29	0	.
Pioneer 26R41	.	.	38[T]	76.1	57.4	31	0	.
Pioneer 26R53	.	.	39	76.0	58.2	32	0	.
USG 3993	.	.	40	75.9	55.1	39	5	.
VA09W-75	.	.	42	72.5	55.4	34	0	.
VA09W-73	.	.	43	72.0	56.2	36	0	.
P 308	.	.	50	67.6	56.6	32	25	.
GA041272-12E42	.	.	51	66.8	57.0	32	25	.
B06-0686	.	.	53	66.0	55.1	31	20	.
USG 3201	.	.	54	65.1	56.5	35	8	.
AgriMAXX 415	.	.	55	64.9	56.2	34	10	.
USG 3013	.	.	56	64.5	55.8	39	28	.
PGX 12-3	.	.	63	58.7	53.4	33	23	.
USG 3833	.	.	64	56.9	52.8	37	0	.
PGX 12-10	.	.	65	56.3	53.8	36	45	.
AgriMAXX 413	.	.	66	54.2	53.1	30	8	.
Pioneer XW11G	.	.	41	43.9	54.6	37	58	.
Average	65.0	68.8		74.5 [2]	56.4	36	13	.
LSD at 10% Level	5.4	7.3		9.8	3.8	5	31	
Std. Err. of Entry Mean	2.3	3.0		4.2	1.6	1	9	

Midville, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 11.2%, and df for EMS = 237.

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

Planted:	November 21, 2012.
Harvested:	June 24, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Dothan loamy sand.
Soil Test:	P = High, K = Medium, and pH = 5.8.
Fertilization:	Preplant: 40 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
	Topdress: 60 lb N/acre.
Management:	Disked and subsoiled; Osprey used for weed control; applied 1,000 lb/acre lime.
Previous Crop:	Cotton.

Test conducted by A. Coy, R. Brook, D. Dunn, B. McCranie. K. Cobb, and R. Milton.

Midville, Georgia:
Late-Planted Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Yield[1]	2013 Test Wt	2013 Ht	2013 Lodg.	2013 Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
AGS 2060	**53.7**	60.1	3	**65.3**	58.2	35	5	.
Jamestown	**51.4**	60.4	2	**67.5**	59.1	34	0	.
Coker 9700	48.0	57.2	5	56.8	56.7	32	8	.
USG 3555	43.9	49.9	10	45.3	52.7	26	18	.
P 117	43.3	50.7	6	55.3	55.6	38	20	.
Arcadia	42.9	48.5	7	54.9	57.3	34	0	.
SS 520	39.6	47.1	11	43.5	54.3	35	25	.
GA041418-11EE16	.	**72.0**	1	**69.1**	55.4	35	0	.
P 125	.	52.1	8	53.2	54.1	30	5	.
LA02015E201	.	.	4	59.1	57.4	35	0	.
Pioneer 26R87	.	.	9	46.5	57.2	34	34	.
AgriMAXX 413	.	.	12	20.6	23.0	26	94	.
Average	46.1	55.3		53.1 [2]	53.4	33	17	.
LSD at 10% Level	4.1	5.1		7.7	9.0	7	17	
Std. Err. of Entry Mean	1.7	2.2		3.2	3.9	2	5	

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 12.2%, and df for EMS = 33.

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

Planted: December 21, 2012.
Harvested: June 24, 2013.
Seeding Rate: 22 seeds per foot in 7" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.8.
Fertilization: Preplant: 40 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and subsoiled; Osprey used for weed control; applied 1,000 lb/acre lime.
Previous Crop: Cotton.

Test conducted by A. Coy, R. Brook, D. Dunn, B. McCranie. K. Cobb, and R. Milton.

Griffin, Georgia:
Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Mildew	Stripe Rust
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%
GA031257-10LEL34	**108.2**	**112.3**	6[T]	121.1	60.2	37	0	04/09	25	1
USG 3555	**107.4**	**110.6**	6[T]	121.1	58.2	35	0	04/09	3	0
SS 8641	**107.0**	**115.1**	1	**129.3**	59.0	39	9	04/10	0	0
GA031086-10E26	**106.9**	107.3	14	117.0	59.1	36	5	04/09	15	0
Oglethorpe	**105.0**	101.8	53	98.7	56.7	35	6	04/06	20	0
TV8861	**104.4**	103.9	12	118.3	58.1	37	1	04/21	25	0
GA031134-10E29	**103.4**	102.4	44[T]	103.2	58.4	38	18	04/09	13	0
Jamestown	**102.7**	101.0	54	98.0	60.3	35	9	04/06	20	0
GA04570-10E46	102.6	104.9	27	111.9	60.8	39	0	04/08	15	0
Pioneer 26R10	102.6	104.0	7	120.1	57.8	38	0	04/21	23	0
AGS 2026	101.6	103.1	55	97.9	56.4	35	21	04/05	25	0
Dyna-Gro 9171	101.4	100.5	22	112.9	56.5	37	1	04/19	18	0
P 125	101.3	101.9	47	101.1	57.9	35	0	04/08	33	0
TV8848	99.6	95.6	38	107.4	58.0	38	0	04/21	20	0
AGS 2038	99.5	96.5	60	93.6	56.6	41	36	04/11	23	0
AGS 2035	98.6	95.4	69[T]	87.8	58.5	39	5	04/08	28	0
TV8525	97.3	101.3	19	113.5	58.5	37	0	04/16	20	3
Dyna-Gro Baldwin	96.7	97.1	56	97.7	59.0	41	3	04/12	15	0
TV8535	94.1	97.1	30	111.1	56.5	36	0	04/20	18	0
P 117	93.6	95.5	44[T]	103.2	59.0	40	14	04/09	23	10
AGS 2060	92.5	87.2	65	90.7	59.3	39	1	04/09	35	0
LA754	91.1	86.5	68[T]	88.2	56.6	37	30	04/09	28	0
SS 8308	90.2	89.9	39	107.0	60.0	37	4	04/14	15	13
P 185	83.0	84.0	58	96.8	57.3	43	0	04/16	18	15
GA-Gore	82.0	81.3	68[T]	88.2	56.5	39	18	04/06	13	5
Roberts	81.7	80.1	69[T]	87.8	56.3	41	14	04/09	25	33
LA841	76.9	71.3	76	69.9	52.9	37	6	04/09	40	0
SS 8404	66.6	65.9	75	76.9	57.0	34	0	04/11	28	15
SS 520	63.0	60.6	73	79.0	55.4	38	4	04/08	10	85
VA07W-415	.	**112.7**	11	118.4	58.9	41	0	04/10	0	1
GA04417-11E21	.	**110.5**	17	115.3	58.3	35	0	04/10	23	1
GA041293-11LE37	.	**108.9**	4	**124.0**	60.5	37	0	04/08	0	0
GA041293-11E54	.	108.2	23	112.6	59.0	36	0	04/09	8	0
GA041052-11E51	.	107.1	42	103.6	59.3	33	8	04/05	13	0
GA04434-11E44	.	104.3	18[T]	114.1	57.7	34	20	04/10	0	0
GA04494-11E49	.	100.5	52	98.8	56.9	36	0	04/07	28	0
Pioneer 26R20	.	100.3	31	110.9	59.0	40	0	04/21	6	3
SS 8340	.	98.8	16	115.4	58.9	38	3	04/19	25	0
GA041323-11E63	.	98.2	46	102.5	58.5	36	6	04/06	25	0
GA04500-11LE11	.	96.2	66	90.4	54.5	36	19	04/11	23	0
P 870	.	95.9	32	110.7	56.9	38	0	04/19	18	0
SS 8412	.	92.2	48	100.7	58.6	35	0	04/09	25	0
LA02015E201	.	90.0	63	91.8	59.8	35	0	04/05	30	0
GA04151-11E26	.	90.0	70	87.5	58.9	36	28	04/10	20	0
NC08-23089	.	88.4	64	91.0	58.1	35	0	04/05	15	30

Griffin, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

	Yield[1]		2013 Data							
Brand-Variety	3-Year Average	2-Year Average	Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Mildew	Stripe Rust
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%
P 357	.	87.2	35	109.3	55.5	36	0	04/23	25	5
NC-Yadkin	.	80.3	50	100.4	57.5	39	0	04/19	0	65
NC-Cape Fear	.	66.2	72	84.2	57.8	39	3	04/09	10	90
PGX 12-10	.	.	2	**126.2**	57.7	37	3	04/16	20	0
Pioneer 26R53	.	.	3	**125.8**	59.1	37	0	04/16	25	0
GA07163-12LE9	.	.	5	**122.0**	58.6	38	3	04/10	0	0
GA051304-12E28	.	.	8	119.9	59.2	35	1	04/08	0	0
USG 3013	.	.	9	119.5	58.0	40	0	04/20	23	0
USG 3201	.	.	10	118.5	59.2	38	0	04/19	23	0
GA04434-12LE28	.	.	13	117.8	58.3	36	0	04/11	8	0
Pioneer 26R41	.	.	15	116.4	57.2	35	0	04/22	10	0
AgriMAXX 415	.	.	18[T]	114.1	58.4	38	1	04/18	20	0
GA03185-12LE29	.	.	20	113.4	61.7	42	1	04/14	3	0
NC09-22402	.	.	21	113.2	58.5	38	0	04/10	0	0
GA04417-12E33	.	.	24	112.5	59.1	38	13	04/07	5	0
GA041272-12E42	.	.	25[T]	112.2	59.3	35	0	04/07	0	5
GA03564-12E6	.	.	25[T]	112.2	59.8	35	0	04/07	8	0
P 308	.	.	26	112.1	58.8	36	0	04/17	5	3
NC08-23324	.	.	28	111.8	59.9	39	1	04/11	5	21
GA04268-12E4	.	.	29	111.2	60.1	36	0	04/08	15	0
USG 3120	.	.	33	110.6	59.1	39	5	04/07	25	3
LA03200E-2	.	.	34	109.7	60.5	36	8	04/10	18	0
AgriMAXX 413	.	.	36	108.8	56.6	35	0	04/19	13	0
GA04244-12LE16	.	.	37	107.7	60.9	39	0	04/11	20	0
VA09W-73	.	.	40	106.6	58.4	37	0	04/10	15	1
GA051754-12LE12	.	.	41	104.8	57.7	37	1	04/09	5	0
Pioneer 26R87	.	.	43	103.3	62.1	37	1	04/08	15	0
USG 3993	.	.	45	102.6	58.1	42	0	04/19	15	0
Pioneer XW11G	.	.	49	100.6	59.6	39	6	04/23	23	0
VA09W-75	.	.	51	100.3	58.9	33	0	04/06	0	0
USG 3833	.	.	57	97.4	58.2	42	0	04/24	28	0
PGX 12-3	.	.	59	95.7	54.6	36	0	04/18	25	0
Coker 9700	.	.	61	92.9	59.8	35	0	04/04	30	0
GA051754-12LE13	.	.	62	92.7	58.6	38	0	04/09	23	0
GA05304-12E35	.	.	67	89.0	58.3	35	6	04/05	35	0
GA07270-12E15	.	.	71	85.7	55.9	34	3	04/08	33	0
Arcadia	.	.	74	78.2	57.6	35	4	04/07	30	1
Average	95.2	95.6		104.8 [2]	58.3	37	4	04/12	17	5
LSD at 10% Level	5.5	6.8		7.8	1.0	2	12	04	10	8
Std. Err. of Entry Mean	2.4	2.9		3.4	0.4	1	5	01	3	2

Griffin, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 6.4%, and df for EMS = 243.

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

Planted:	November 1, 2012.
Harvested:	June 13, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Pacolet coarse sandy loam.
Soil Test:	P = High, K = Very High, and pH = 6.6.
Fertilization:	Preplant: 20 lb N, 40 lb P_2O_5, and 60 lb K_2O/acre.
	Topdress: 70 lb N/acre.
Management:	Moldboard plowed, disked and rototilled; Powerflex, Harmony, and Axial XL used for weed control.
Previous Crop:	Corn.

Test conducted by J. Gassett and G. Ware.

Calhoun, Georgia:
Wheat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date	2013 Data Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Dyna-Gro 9171	**93.6**	**83.9**	13	**66.9**	47.2	34	3	04/24	100
TV8861	**86.5**	**79.7**	5	**70.0**	49.6	37	23	04/23	100
GA031257-10LEL34	83.3	**75.2**	16[T]	**65.3**	52.1	33	41	04/15	100
Pioneer 26R10	83.2	**71.1**	22	61.1	48.1	38	28	04/27	100
TV8535	81.8	**76.6**	12	**67.5**	47.4	37	10	04/26	100
SS 8641	80.5	**78.5**	19	**63.6**	48.4	36	33	04/13	100
USG 3555	79.9	**69.2**	41	53.1	47.2	32	46	04/18	100
P 125	79.4	**69.9**	54	46.2	45.8	34	70	04/22	100
GA031134-10E29	79.2	**73.7**	36	55.5	49.1	36	74	04/16	100
GA031086-10E26	79.0	**71.4**	47	50.3	45.4	35	80	04/18	100
SS 8308	78.6	**67.9**	26	58.7	52.6	30	56	04/20	100
TV8525	77.6	**70.8**	31[T]	57.1	48.4	37	55	04/19	100
Jamestown	77.5	**69.6**	42[T]	53.0	48.9	33	53	04/15	100
GA04570-10E46	76.9	**72.0**	42[T]	53.0	49.4	37	11	04/16	100
SS 520	76.7	**74.6**	40	53.2	49.5	36	23	04/20	100
SS 8404	75.9	**62.7**	64	38.6	45.9	33	46	04/16	100
TV8848	75.2	**67.1**	11	**67.6**	48.2	39	25	04/26	100
P 117	73.3	**60.4**	56	42.9	48.0	37	70	04/15	100
P 185	72.4	**69.1**	37	55.1	46.8	41	29	04/23	100
Dyna-Gro Baldwin	72.4	**60.8**	73	29.6	42.6	40	81	04/22	100
LA754	72.2	**66.3**	67	37.8	45.3	36	66	04/20	100
AGS 2026	71.6	**61.8**	68	37.6	44.5	31	59	04/22	100
AGS 2038	70.5	**60.4**	71	34.8	44.5	38	64	04/22	100
AGS 2060	69.6	**61.3**	61	39.9	47.0	39	54	04/18	100
AGS 2035	67.8	**59.0**	74	29.5	44.4	36	66	04/17	100
Roberts	66.6	**62.5**	60	41.8	47.6	37	68	04/15	100
LA841	66.0	**56.2**	75	27.5	40.6	34	28	04/22	100
Oglethorpe	65.2	**57.2**	69	37.1	44.2	33	68	04/18	100
GA-Gore	58.3	**52.9**	72	33.1	44.4	36	91	04/18	100
GA04434-11E44	.	**82.4**	17	**65.1**	48.7	33	36	04/15	100
SS 8412	.	**80.9**	9[T]	**68.3**	48.8	33	24	04/18	100
GA041293-11E54	.	**78.0**	14	**66.1**	48.8	36	50	04/18	100
SS 8340	.	**76.8**	4	**71.9**	51.6	36	16	04/27	100
NC-Yadkin	.	**76.4**	2	**72.6**	51.6	38	43	04/21	100
Pioneer 26R20	.	**75.2**	10	**67.8**	49.7	38	34	04/29	100
GA04417-11E21	.	**74.2**	7	**69.0**	48.1	34	29	04/19	100
GA041323-11E63	.	**74.1**	39	53.7	47.9	35	53	04/15	100
VA07W-415	.	**70.3**	24	60.1	47.4	34	61	04/16	100
GA04494-11E49	.	**70.0**	46[T]	50.5	48.2	34	28	04/15	100
NC-Cape Fear	.	**68.6**	52	47.5	46.3	36	66	04/17	100
P 870	.	**67.5**	25	59.0	47.3	35	5	04/22	100
NC08-23089	.	**67.1**	44	52.5	49.0	33	36	04/16	100
GA041293-11LE37	.	**66.8**	51	49.1	46.5	35	34	04/16	100
P 357	.	**66.0**	32	56.8	46.3	37	18	04/27	100
GA04500-11LE11	.	**63.8**	65	38.4	39.9	27	80	04/19	100

Calhoun, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
GA04151-11E26	.	**62.8**	62	39.1	46.6	33	84	04/15	100
GA041052-11E51	.	**60.1**	49[T]	49.5	47.6	34	68	04/20	100
LA02015E201	.	**57.0**	58	42.7	47.6	33	59	04/16	100
AgriMAXX 415	.	.	1	**74.2**	51.8	36	18	04/23	100
AgriMAXX 413	.	.	3	**72.5**	47.3	35	1	04/25	100
Pioneer 26R53	.	.	6	**69.7**	50.1	36	30	04/20	100
Pioneer XW11G	.	.	8	**68.8**	50.9	38	40	04/27	100
P 308	.	.	9[T]	**68.3**	50.4	37	15	04/22	100
USG 3013	.	.	15	**66.0**	47.5	41	36	04/26	100
USG 3201	.	.	16[T]	**65.3**	50.2	37	44	04/24	100
VA09W-75	.	.	18	**64.6**	50.8	35	25	04/16	100
GA04268-12E4	.	.	20	62.7	51.6	35	30	04/15	100
VA09W-73	.	.	21	62.2	48.6	35	51	04/15	100
GA051304-12E28	.	.	23	60.5	48.2	33	43	04/20	100
USG 3993	.	.	27	58.5	47.9	41	41	04/24	100
USG 3833	.	.	28	57.7	49.9	40	15	04/29	100
PGX 12-10	.	.	29	57.3	47.7	36	58	04/20	100
GA051754-12LE12	.	.	30	57.2	48.5	36	41	04/13	100
PGX 12-3	.	.	31[T]	57.1	45.0	37	6	04/24	100
GA03185-12LE29	.	.	33	56.7	51.6	40	15	04/18	100
Pioneer 26R41	.	.	34	56.2	46.6	35	43	04/23	100
GA041272-12E42	.	.	35	56.1	48.0	33	28	04/16	100
GA03564-12E6	.	.	38	55.0	49.8	34	54	04/15	100
GA04244-12LE16	.	.	43[T]	52.7	50.0	38	51	04/16	100
GA04434-12LE28	.	.	43[T]	52.7	47.5	34	59	04/16	100
NC08-23324	.	.	45	51.7	50.5	33	65	04/22	100
GA07270-12E15	.	.	46[T]	50.5	45.9	32	43	04/17	100
Pioneer 26R87	.	.	48	49.9	50.0	34	63	04/15	100
NC09-22402	.	.	49[T]	49.5	47.3	35	60	04/20	100
GA07163-12LE9	.	.	50	49.4	44.8	36	78	04/15	100
GA04417-12E33	.	.	53	47.0	47.8	35	45	04/15	100
USG 3120	.	.	55	44.9	47.3	37	50	04/13	100
GA051754-12LE13	.	.	57	42.8	47.2	35	38	04/16	100
LA03200E-2	.	.	59	42.1	46.9	35	54	04/18	100
GA05304-12E35	.	.	63	38.9	46.9	33	59	04/15	100
Coker 9700	.	.	66	38.3	46.1	34	50	04/18	100
Arcadia	.	.	70	36.7	48.6	36	55	04/16	100
Average	75.5	68.7		53.7[2]	47.8	35	44	04/19	100
LSD at 10% Level	7.8	N.S.[3]		11.2	2.1	3	26	04	-
Std. Err. of Entry Mean	3.4	3.6		4.8	0.9	1	11	02	-

Calhoun, Georgia:
Wheat Grain Performance, 2012-2013 (Continued)

1. Yields calculated as 60 pounds per bushel at 13.5% moisture.
2. C.V. = 17.8%, and df for EMS = 243.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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, 2012.
Harvested:	June 14, 2013.
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Waynesboro loam.
Soil Test:	P = High, K = High, and pH = 6.0.
Fertilization:	Preplant: 25 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre. Topdress: 70 lb N/acre.
Management:	Chisel plowed, disked and rototilled; Prowl H20, Harmony Extra and Powerflex used for weed control.
Previous Crop:	Soybeans.

Test conducted by J. Gassett, G. Ware, and J. Stubbs.

Summary of Wheat Yields:
Georgia, 2012-2013 with Two- and Three-Year Averages

Brand-Variety	Yield[1] South[2] 3-Year Average	South[2] 2-Year Average	South[2] 2013	North[3] 3-Year Average	North[3] 2-Year Average	North[3] 2013	Statewide[4] 3-Year Average	Statewide[4] 2-Year Average	Statewide[4] 2013
	bu/acre								
AGS 2026	75.1	72.6	80.2	86.6	82.4	67.8	79.7	76.6	75.2
AGS 2035	77.9	75.9	77.3	83.2	77.2	58.7	80.0	76.5	69.8
AGS 2038	76.9	77.3	81.5	85.0	78.4	64.2	80.1	77.8	74.6
AGS 2060	68.4	70.6	72.3	81.0	74.2	65.3	73.4	72.1	69.5
AgriMAXX 413	.	.	49.9	.	.	**90.6**	.	.	66.2
AgriMAXX 415	.	.	62.8	.	.	**94.1**	.	.	75.3
Arcadia	70.3	71.0	72.2	.	.	57.5	.	.	66.3
B06-0686	.	.	75.0	.	.	.	.	.	.
B08-0313	.	.	80.6	.	.	.	.	.	.
Coker 9700	70.4	70.2	73.6	.	.	65.6	.	.	70.4
Dyna-Gro 9171	.	.	.	**97.5**	**92.2**	**89.9**	.	.	.
Dyna-Gro Baldwin	73.3	72.6	78.3	84.5	79.0	63.6	77.8	75.2	72.4
GA-Gore	61.7	59.6	60.7	70.1	67.1	60.6	65.1	62.6	60.7
GA031086-10E26	74.7	73.9	82.6	**93.0**	**89.4**	83.6	82.0	80.1	83.0
GA031134-10E29	77.9	77.9	82.6	**91.3**	88.0	79.4	**83.2**	81.9	81.3
GA031257-10LEL34	75.8	73.9	84.3	**95.7**	**93.7**	**93.2**	**83.8**	81.8	**87.9**
GA03185-12LE29	.	.	**89.9**	.	.	**85.0**	.	.	**87.9**
GA03564-12E6	.	.	**86.8**	.	.	83.6	.	.	**85.5**
GA041052-11E51	.	78.4	81.3	.	83.6	76.5	.	80.5	79.4
GA041272-12E42	.	.	85.6	.	.	84.1	.	.	**85.0**
GA041293-11E54	.	**85.7**	**90.5**	.	**93.1**	**89.3**	.	**88.7**	**90.0**
GA041293-11LE37	.	**83.8**	**90.4**	.	87.8	**86.5**	.	**85.4**	**88.8**
GA041323-11E63	.	**82.3**	**87.2**	.	86.1	78.1	.	83.8	83.6
GA04151-11E26	.	77.4	79.3	.	76.4	63.3	.	77.0	72.9
GA04244-12LE16	.	.	85.0	.	.	80.2	.	.	83.1
GA04268-12E4	.	.	83.3	.	.	**86.9**	.	.	84.8
GA04417-11E21	.	79.1	**88.6**	.	**92.3**	**92.1**	.	84.4	**90.0**
GA04417-12E33	.	.	85.0	.	.	79.7	.	.	82.9
GA04434-11E44	.	**86.8**	**87.7**	.	**93.3**	**89.6**	.	**89.4**	**88.4**
GA04434-12LE28	.	.	**88.5**	.	.	**85.2**	.	.	**87.2**
GA04494-11E49	.	78.1	**86.5**	.	85.2	74.6	.	80.9	81.7
GA04500-11LE11	.	78.3	**89.3**	.	80.0	64.4	.	79.0	79.4
GA04570-10E46	**82.6**	**84.0**	**89.4**	89.8	**88.5**	82.5	**85.4**	**85.8**	**86.6**
GA051304-12E28	.	.	81.2	.	.	**90.2**	.	.	84.8
GA051754-12LE12	.	.	84.7	.	.	81.0	.	.	83.2
GA051754-12LE13	.	.	82.3	.	.	67.7	.	.	76.4
GA05304-12E35	.	.	79.6	.	.	63.9	.	.	73.3
GA07163-12LE9	.	.	**92.0**	.	.	**85.7**	.	.	**89.5**
GA07270-12E15	.	.	78.2	.	.	68.1	.	.	74.1
Jamestown	76.8	79.0	86.0	90.1	85.3	75.5	82.1	81.5	81.8
LA02015E201	.	73.2	77.1	.	73.5	67.2	.	73.3	73.1
LA03200E-2	.	.	81.7	.	.	75.9	.	.	79.4
LA754	74.6	73.6	78.7	81.7	76.4	63.0	77.4	74.7	72.4
LA841	68.1	68.9	74.1	71.4	63.7	48.7	69.4	66.8	63.9
NC-Cape Fear	.	50.5	53.9	.	67.4	65.9	.	57.2	58.7

Summary of Wheat Yields:
Georgia, 2012-2013 with Two- and Three-Year Averages (Continued)

Brand-Variety	Yield[1] South[2] 3-Year Average	South[2] 2-Year Average	South[2] 2013	North[3] 3-Year Average	North[3] 2-Year Average	North[3] 2013	Statewide[4] 3-Year Average	Statewide[4] 2-Year Average	Statewide[4] 2013
	bu/acre								
NC-Yadkin	.	38.6	44.2	.	78.4	**86.5**	.	54.5	61.1
NC08-23089	.	68.3	72.2	.	77.8	71.8	.	72.1	72.0
NC08-23324	.	.	70.2	.	.	81.8	.	.	74.8
NC09-22402	.	.	76.5	.	.	81.3	.	.	78.4
Oglethorpe	73.3	72.3	78.7	85.1	79.5	67.9	78.0	75.2	74.4
P 117	66.7	64.8	71.3	83.4	77.9	73.0	73.4	70.0	72.0
P 125	71.6	68.2	73.1	90.4	85.9	73.6	79.1	75.3	73.3
P 185	64.5	59.8	60.4	77.7	76.5	75.9	69.8	66.5	66.6
P 308	.	.	65.6	.	.	**90.2**	.	.	75.5
P 357	.	38.7	42.6	.	76.6	83.0	.	53.9	58.8
P 870	.	45.8	46.9	.	81.7	**84.8**	.	60.2	62.1
PGX 12-10	.	.	62.2	.	.	**91.7**	.	.	74.0
PGX 12-3	.	.	52.5	.	.	76.4	.	.	62.0
Pioneer 26R10	67.3	62.2	65.3	**92.9**	87.6	**90.6**	77.5	72.3	75.4
Pioneer 26R20	.	61.5	72.2	.	87.8	**89.3**	.	72.0	79.1
Pioneer 26R41	.	.	78.6	.	.	**86.3**	.	.	81.7
Pioneer 26R53	.	.	69.4	.	.	**97.7**	.	.	80.7
Pioneer 26R87	.	.	78.4	.	.	76.6	.	.	77.7
Pioneer XW11G	.	.	39.7	.	.	**84.7**	.	.	57.7
Roberts	.	.	.	74.2	71.3	64.8	.	.	.
SS 520	57.6	53.7	57.3	69.9	67.6	66.1	62.5	59.3	60.8
SS 8308	68.8	62.7	67.0	84.4	78.9	82.9	75.0	69.1	73.3
SS 8340	.	59.1	58.9	.	87.8	**93.6**	.	70.6	72.8
SS 8404	67.7	63.6	70.6	71.2	64.3	57.8	69.1	63.9	65.4
SS 8412	.	76.4	82.9	.	86.6	**84.5**	.	80.5	83.6
SS 8641	78.7	79.9	**88.0**	**93.7**	**96.8**	**96.4**	**84.7**	**86.6**	**91.4**
TV8525	64.7	58.7	63.5	87.4	86.0	**85.3**	73.8	69.6	72.2
TV8535	57.0	47.1	50.6	87.9	86.8	**89.3**	69.4	63.0	66.1
TV8848	.	.	.	87.4	81.3	**87.5**	.	.	.
TV8861	.	.	.	**95.5**	**91.8**	**94.2**	.	.	.
USG 3013	.	.	58.8	.	.	**92.7**	.	.	72.4
USG 3120	.	.	81.9	.	.	77.7	.	.	80.2
USG 3201	.	.	62.9	.	.	**91.9**	.	.	74.5
USG 3555	70.1	68.2	70.0	**93.6**	**89.9**	**87.1**	79.5	76.9	76.8
USG 3833	.	.	53.8	.	.	77.6	.	.	63.3
USG 3993	.	.	59.2	.	.	80.5	.	.	67.7
VA07W-415	.	76.5	83.4	.	**91.5**	**89.3**	.	82.5	**85.7**
VA09W-73	.	.	75.0	.	.	**84.4**	.	.	78.8
VA09W-75	.	.	75.1	.	.	82.4	.	.	78.0
Average	70.8	69.1	74.0	85.4	82.2	79.2	76.4	74.3	75.9
LSD at 10% Level	3.1	4.5	5.8	6.5	8.5	13.5	3.2	4.4	6.4
Std. Err. of Entry Mean	1.3	1.9	2.5	2.8	3.7	5.8	1.4	1.9	2.8

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
2. Tifton, Plains, and Midville.
3. Griffin and Calhoun.
4. All five sites.

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

Summary of Late-Planed Wheat Yields: Georgia, 2012-2013 with Two- and Three-Year Averages

	Yield[1]		
	South[2]		
Brand-Variety	3-Year Average	2-Year Average	2013
	---------- bu/acre ----------		
AGS 2060	**50.9**	50.6	**48.8**
AgriMAXX 413	.	.	15.4
Arcadia	46.6	44.6	**46.9**
Coker 9700	**51.2**	49.6	**50.8**
GA041418-11EE16	.	**61.6**	**56.2**
Jamestown	**52.3**	52.7	**52.6**
LA02015E201	.	.	**49.6**
P 117	44.5	41.5	42.6
P 125	.	42.1	44.6
Pioneer 26R87	.	.	37.2
SS 520	33.6	27.3	27.9
USG 3555	40.3	33.3	37.1
Average	45.6	44.8	42.5
LSD at 10% Level	4.7	6.7	10.6
Std. Err. Of Entry Mean	2.0	2.7	4.5

1. Yields calculated at 60 pounds per bushel at 13.5% moisture.
2. Tifton, Plains, and Midville.

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, 2012-2013

Brand-Variety	Yield[1]	Test Weight	Heading Date	Height	Powdery Mildew	Leaf Rust	Stripe Rust
	bu/acre	lb/bu	Julian days[2]	in	rating[3]	rating	rating
VA07W-415	**125.0**	59.1	109	39	0	2	4
GA041293-11LE37	**119.8**	60.2	99	40	0	0	0
GA041293-11E54	**117.1**	60.0	97	39	0	2	0
GA041052-11E51	**116.4**	59.4	90	35	0	0	1
VA10W-123	**115.3**	57.1	101	40	0	5	0
MD04W249-11-12	**112.1**	60.8	108	41	0	2	1
LA05130D-P5	**109.7**	60.1	102	41	0	3	0
GA041323-11E63	**109.1**	59.0	98	37	1	2	0
LA03200E-2	106.6	61.1	98	39	0	3	3
Jamestown	103.2	61.7	90	35	0	3	0
TN1301	100.3	52.3	108	38	1	7	0
USG 3555	98.8	57.3	103	35	0.5	3	0
MD07W272-11-5	93.7	61.6	102	38	0	4	5
LA05038D-105	93.4	57.5	99	41	0	5	2
NC09-20765	92.0	57.3	109	37	0	0	0
TN1303	91.8	57.4	101	39	1	7	0
VA10W-119	89.2	57.8	102	41	3	0	3
AR01040-4-1	87.8	49.7	101	41	0	0	2
KWS013	87.0	55.1	102	39	0	3	4
VA09W-110	86.5	57.8	102	33	1	0	5
MD04W249-11-7	86.1	59.4	109	42	0	2	4
AR00343-5-1	81.2	55.9	102	40	1	2	0
LCS19701	79.8	49.1	110	45	4	6	1
KWS012	77.6	54.9	108	40	0	3	4
Pioneer Brand 26R61	73.5	60.8	100	42	2	0	1
TN1302	71.7	55.3	103	40	1	0.5	5
NC08-23089	71.3	58.2	91	35	0	0	6
AGS 2000	71.0	54.1	91	38	3	0	5
KWS011	59.2	50.0	119	35	0	1	0
LCS29817	51.9	52.6	119	37	0	2	3
LCS19227	49.7	54.9	111	36	0	7	3
NC08-23324	26.4	56.1	104	37	0	0	8
NC08-21273	20.3	54.5	114	34	0	1	8
Average	86.9 [4]	56.9	103.1	38.5	0.6	2.3	2.4
LSD at 5% Level	16.3						

1. Yields calculated as 60 pounds per bushel.
2. Days from January 1.
3. Rating: 0 = resistant to 9 = very susceptible.
4. C.V. = 9.3%.

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

Planted: November 14, 2011.
Harvested: June 4, 2013
Seeding Rate: 22 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Fertilization: Preplant: 80 lb N, 40 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 80 lb N/acre.

Test conducted by J. Johnson, D. Bland, S. Sutton, J. Buck, and J. Youmans

Griffin, Georgia:
Uniform Southern Soft Red Winter Wheat Nursery, 2012-2013

Brand-Variety	Yield[1]	Test Weight	Heading Date	Powdery Mildew	Stripe Rust
	bu/acre	lb/bu	Julian days[2]	rating[3]	rating
VA07W-415	**122.8**	59.6	103	0	1
AR01040-4-1	**121.3**	58.1	105	1	0
TN1303	**121.1**	58.2	105	3	0
USG 3555	**118.2**	58.5	106	1	0
VA10W-123	**116.7**	59.4	103	0	0
KWS013	**115.9**	57.8	105	3	2
AR00343-5-1	**113.7**	58.9	107	2	0
GA041323-11E63	**113.4**	59.8	100	1	0
GA041293-11E54	**113.1**	61.7	100	0	0
GA041293-11LE37	**113.1**	62.0	103	0	0
VA10W-119	**112.0**	59.6	102	1	1
LCS19701	**112.0**	58.0	111	4	0
NC09-20765	**111.5**	58.9	109	1	1
LA05130D-P5	**111.4**	60.4	105	2	0
MD04W249-11-12	**111.2**	60.1	109	0	0
MD04W249-11-7	110.0	59.5	111	0	3
TN1302	108.7	55.9	106	1	3
KWS012	107.5	58.7	110	0	1
TN1301	107.2	58.9	109	1	1
NC08-23324	107.1	60.7	107	0	0
MD07W272-11-5	105.8	62.0	104	1	1
AGS 2000	103.5	60.0	103	3	3
LA05038D-105	103.4	60.0	101	1	0
VA09W-110	100.8	56.9	106	0	1
GA041052-11E51	100.0	60.7	98	2	0
LA03200E-2	97.0	61.6	101	1	0
Pioneer Brand 26R61	93.2	59.6	104	3	0
LCS19227	92.7	56.5	112	1	2
Jamestown	90.6	60.6	97	1	0
LCS29817	87.8	58.1	116	1	2
NC08-23089	85.6	58.8	98	0	2
KWS011	82.9	53.6	116	0	0
NC08-21273	59.8	55.1	112	1	6
Average	105.2 [4]	59.0	106.0	1.1	1.0
LSD at 5% Level	12.4				

1. Yields calculated as 60 pounds per bushel.
2. Days from January 1.
3. Rating: 0 = resistant to 9 = very susceptible.
4. C.V. = 7.3%

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

Planted:	October 31, 2012
Harvested:	June 10, 2013
Seeding Rate:	22 seeds per foot in 7" rows.
Soil Type:	Greenville sandy loam.
Fertilization:	Preplant: 80 lb N, 40 lb P_2O_5, and 60 lb K_2O/acre.
	Topdress: 80 lb N/acre.

Test conducted by J. Johnson, D. Bland, S. Sutton, J. Buck, and J. Youmans

Triticale and Rye

Tifton, Georgia:
Triticale and Rye Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Triticale									
Trical 342	85.0	**78.3**	1	**79.7**	47.5	48	0	03/15	100
FL01008	.	64.7	2	67.9	48.6	54	0	03/02	100
FL01143	.	53.2	5	60.7	48.6	51	0	02/26	100
Monarch	.	.	3	67.0	47.1	49	0	03/19	100
NC08-26	.	.	4	65.3	48.6	44	0	03/25	100
NC07-1088	.	.	6	57.0	51.0	45	0	03/19	100
Average	85.0	65.4		66.3 [2]	48.6	48	0	03/13	100
LSD at 10% Level	-	4.1		10.9	1.7	2	-	03	-
Std. Err. of Entry Mean	-	1.6		4.4	0.7	1	-	01	-
Rye									
AGS 104	.	.	1	**59.4**	55.1	76	0	03/04	100
Wrens Abruzzi	.	.	2	**56.4**	55.9	80	20	03/19	100
FL2X406	.	.	3	49.7	55.7	80	0	03/22	100
FL2X405	.	.	4	48.5	53.7	71	0	02/17	100
Florida 401	.	.	5	46.3	53.6	74	0	02/17	100
Average	.	.		52.0 [3]	54.8	76	4	03/04	100
LSD at 10% Level				6.9	1.6	4	N.S.[4]	05	-
Std. Err. of Entry Mean				2.7	0.6	1	8	02	-

1. Triticale: Yields calculated as 48 pounds per bushel at 13.0% moisture.
   Rye: Yields calculated as 56 pounds per bushel at 13.0% moisture.
2. C.V. = 13.3%, and df for EMS = 15.
3. C.V. = 10.5%, and df for EMS = 12.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 12, 2012.
Harvested: May 28, 2013.
Seeding Rate: Triticale: 15 seeds per foot in 7" rows.
Rye: 18 seeds per foot in 7" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.4.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and rototilled; Glean used for weed control; applied 1000 lb/acre lime.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn and B. McCranie.

Plains, Georgia:
Triticale Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Trical 342	.	69.9	5	40.6	43.2	53	0	03/16
NC07-1088	.	.	1	**77.0**	53.8	58	0	03/22
NC08-26	.	.	2	69.6	51.8	55	0	03/23
Monarch	.	.	3	56.5	49.0	56	0	03/22
FL01143	.	.	4	50.4	45.7	57	1	03/15
FL01008	.	.	6	40.3	47.9	56	1	03/14
Average	.	69.9		55.7 [2]	48.6	56	0	03/18
LSD at 10% Level		-		7.7	1.4	3	-	01
Std. Err. of Entry Mean		-		3.1	0.6	1	-	01

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 11.2%, and df for EMS = 16.

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

Planted: November 9, 2012.
Harvested: May 31, 2013.
Seeding Rate: 16 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.8.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 80 lb N/acre.
Management: Disked, chiseled, and rototilled; Harmony Extra and Osprey used for weed control.
Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Midville, Georgia:
Triticale Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Trical 342	.	88.2	2	93.8	47.0	47	5	.
FL01143	.	.	1	**104.4**	48.0	54	5	.
NC07-1088	.	.	3	82.3	49.2	44	8	.
Monarch	.	.	4	81.9	46.2	51	0	.
NC08-26	.	.	5	79.8	47.3	42	3	.
FL01008	.	.	6	74.8	48.7	48	10	.
Average	.	88.2		86.2 [2]	47.7	48	5	.
LSD at 10% Level		-		7.6	N.S.[3]	5	N.S.	
Std. Err. of Entry Mean		-		3.0	1.0	1	2	

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 7.1%, and df for EMS = 15.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 21, 2012.
Harvested: June 24, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.8.
Fertilization: Preplant: 40 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and subsoiled; Osprey used for weed control; applied 1,000 lb/acre lime.
Previous Crop: Cotton.

Test conducted by A. Coy, R. Brook, D. Dunn, B. McCranie, K. Cobb, and R. Milton.

Griffin, Georgia:
Triticale and Rye Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Triticale									
Trical 342	.	105.5	3	92.4	47.3	48	0	04/07	100
NC07-1088	.	.	1	**110.0**	51.8	48	0	04/08	100
NC08-26	.	.	2	99.1	49.5	44	0	04/05	100
Monarch	.	.	4	90.4	50.1	49	0	04/06	100
FL01143	.	.	5	72.8	48.1	52	0	03/29	100
FL01008	.	.	6	68.0	49	52	0	04/08	100
Average	.	105.5		88.8 [2]	49.3	49	0	04/05	100
LSD at 10% Level		-		7.5	0.7	2	-	02	-
Std. Err. of Entry Mean		-		3.0	0.3	1	-	01	-
Rye									
Wrens Abruzzi	.	**78.5**	1	**76.8**	51.3	74	31	03/27	100
Florida 401	.	58.6	5	55.4	49.8	70	23	03/14	100
FL2X406	.	.	2	**74.9**	52.9	75	13	03/27	100
AGS 104	.	.	3	**72.5**	51.4	71	15	03/14	100
FL2X405	.	.	4	55.8	50.3	70	8	03/14	100
Average	.	68.6		67.1 [3]	51.1	72	18	03/19	100
LSD at 10% Level		7.3		6.0	N.S.[4]	N.S.	N.S.	01	-
Std. Err. of Entry Mean		3.7		2.4	0.9	2	8	01	-

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. = 6.8%, and df for EMS = 15.
3. C.V. = 7.1%, and df for EMS = 12.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 1, 2012.
Harvested: June 12, 2013.
Seeding Rate: Triticale: 15 seeds per foot in 7" rows.
Rye: 18 seeds per foot in 7" rows.
Soil Type: Pacolet coarse sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.6.
Fertilization: Preplant: 20 lb N, 40 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 70 lb N/acre.
Management: Moldboard plowed, disked and rototilled.
Previous Crop: Corn.

Test conducted by J. Gassett and G. Ware.

Summary of Triticale Yields: Georgia, 2012-2013 with Two- and Three-Year Averages

	Yield[1]								
	South[2]			North[3]			Statewide[4]		
Brand-Variety	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013
	bu/acre								
FL01008	.	**61.1**	61.0	.	.	68.0	.	.	62.7
FL01143	.	**65.3**	**71.8**	.	.	72.8	.	.	72.0
Monarch	.	.	**68.5**	.	.	90.4	.	.	73.9
NC07-1088	.	.	**72.1**	.	.	**110.0**	.	.	**81.6**
NC08-26	.	.	**71.6**	.	.	99.1	.	.	**78.4**
Trical 342	81.6	**72.8**	**71.4**	.	.	92.4	.	.	76.6
Average	81.6	66.4	69.4	.	.	88.8	.	.	74.2
LSD at 10% Level	-	N.S.[5]	4.9			7.5			4.1
Std. Err. of Entry Mean	-	1.3	2.1			3.0			1.7

1. Yields calculated at 48 pounds per bushel at 13.0% moisture.
2. Tifton, Plains, and Midville.
3. Griffin.
4, All four sites.
5. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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

Summary of Rye Yields: Georgia, 2012-2013 with Two- and Three-Year Averages

	Yield[1]								
	South[2]			North[3]			Statewide		
Brand-Variety	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013
	bu/acre								
AGS 104	.		**59.4**	.	.	**72.5**	.	.	**65.9**
FL2X405	.		48.5	.	.	55.8	.	.	52.1
FL2X406	.		49.7	.	.	**74.9**	.	.	**62.3**
Florida 401	.		46.3	.	58.6	55.4	.	.	50.8
Wrens Abruzzi	.		**56.4**	.	**78.5**	**76.8**	.	.	**66.6**
Average	.		52.1	.	68.6	67.1	.	.	59.5
LSD at 10% Level			6.9		7.3	6.0			4.4
Std. Err. of Entry Mean			2.7		3.7	2.4			1.8

1. Yields calculated at 56 pounds per bushel at 13.0% moisture.
2. Tifton.
3. Griffin.

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, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Horizon 201	**115.5**	**121.3**	1	**130.0**	31.6	49	0	03/29
Gerard 224	**114.4**	104.7	3	114.5	33.4	42	0	04/02
SS 76-50	**113.6**	**110.6**	4	113.2	32.5	43	0	04/02
Horizon 306	**109.1**	105.6	2	115.3	34.7	44	0	04/02
Horizon 270	**106.1**	90.4	9	101.2	31.9	40	0	03/31
Gerard 229	**98.3**	84.0	15	92.5	29.9	36	0	04/02
NC07-3801	.	104.3	5	112.5	32.4	43	0	04/03
LA04004SBSB-7-B-S1	.	95.0	13	94.5	31.0	44	0	04/02
Plot Spike LA9339	.	91.7	8	104.9	34.0	47	0	04/03
TAMO 411	.	87.3	14	93.8	33.5	40	0	04/02
TX05CS542	.	84.0	16	88.3	31.6	44	0	03/18
FL02011	.	69.0	19	75.8	40.7	41	0	03/30
FL0650-N2	.	.	6	107.5	32.0	50	0	04/02
FL0733-R2-Ab1	.	.	7	105.7	29.1	50	0	04/01
LA07007-68	.	.	10	99.1	29.5	40	0	03/23
LA06059-7-46	.	.	11	97.1	27.7	33	0	03/22
TX05CS556	.	.	12	95.1	32.3	30	0	03/06
LA05011-30	.	.	17	87.7	27.6	41	0	04/04
TX02U7682	.	.	18	80.4	31.5	39	0	03/19
LA07068-75	.	.	20	73.6	33.5	41	0	03/16
Average	109.5	95.7		99.1 [2]	32.0	42	0	03/28
LSD at 10% Level	N.S.[3]	13.1		8.7	3.3	6	-	02
Std. Err. of Entry Mean	3.8	5.5		3.7	1.4	2	-	01

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. C.V. = 7.5%, and df for EMS = 57.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 12, 2012.
Harvested: May 28, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.4.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and rototilled; Glean used for weed control; applied 1000 lb/acre lime.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Oat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Crown Rust
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Horizon 270	**117.6**	**108.9**	1	**122.1**	30.7	54	0	.	55
Horizon 306	**115.6**	**106.9**	3	101.4	26.4	60	11	.	45
Horizon 201	**113.8**	**101.0**	8	86.1	28.8	63	59	.	55
SS 76-50	**104.1**	**92.6**	9	83.2	27.5	56	18	.	45
Gerard 224	**97.5**	**84.7**	16	66.3	23.9	59	49	.	50
Gerard 229	**95.6**	**84.8**	17	64.5	22.9	50	0	.	45
TX05CS542	.	**99.1**	14	71.7	23.5	58	15	.	50
TAMO 411	.	**97.3**	5	93.3	27.1	58	35	.	35
LA04004SBSB-7-B-S1	.	**95.1**	10	81.5	33.1	56	25	.	40
Plot Spike LA9339	.	**88.1**	11	81.3	29.3	63	21	.	50
FL02011	.	**71.9**	15	68.8	34.8	55	25	.	25
NC07-3801	.	**69.6**	18	61.3	24.2	55	66	.	50
LA07007-68	.	.	2	**108.8**	33.6	50	43	.	0
FL0650-N2	.	.	4	96.0	26.4	62	65	.	40
LA06059-7-46	.	.	6	91.9	30.7	43	0	.	40
TX02U7682	.	.	7	86.9	28.7	52	5	.	40
LA07068-75	.	.	12	76.7	28.3	59	20	.	35
LA05011-30	.	.	13	73.3	26.4	58	0	.	45
TX05CS556	.	.	19	59.9	21.8	52	0	.	40
FL0733-R2-Ab1	.	.	20	53.8	23.6	62	65	.	35
Average	107.3	91.7		81.4 [2]	27.6	56	26	.	41
LSD at 10% Level	N.S.[3]	N.S.		19.6	3.0	4	31	-	12
Std. Err. of Entry Mean	6.4	5.6		8.3	1.3	2	13	-	5

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. C.V. = 20.4%, and df for EMS = 57.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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

Planted: November 9, 2012.
Harvested: May 31, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.8.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 80 lb N/acre.
Management: Disked, chiseled and rototilled; Harmony Extra used for weed control.
Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Midville, Georgia:
Oat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
SS 76-50	**87.5**	**95.4**	10	70.7	28.3	37	100	.
Gerard 224	**84.9**	**89.7**	11	67.0	30.8	37	100	.
Horizon 306	**83.5**	**90.1**	3	**93.8**	33.4	44	100	.
Gerard 229	**82.2**	**86.9**	18	61.2	27.4	38	100	.
Horizon 201	**78.5**	**85.4**	4	89.4	30.7	48	100	.
Horizon 270	**71.8**	**72.3**	19	50.4	30.1	37	100	.
LA04004SBSB-7-B-S1	.	**90.4**	6	82.5	34.8	44	100	.
TAMO 411	.	**83.6**	12	66.8	32.3	48	100	.
Plot Spike LA9339	.	**80.8**	7	78.6	31.7	48	100	.
TX05CS542	.	**71.8**	15	63.1	30.4	40	100	.
NC07-3801	.	**71.5**	9	75.8	30.7	48	100	.
FL02011	.	**49.1**	20	39.4	26.7	44	95	.
LA07007-68	.	.	1	**108.4**	35.6	38	100	.
FL0650-N2	.	.	2	**99.0**	29.7	48	100	.
FL0733-R2-Ab1	.	.	5	88.9	29.0	56	100	.
TX05CS556	.	.	8	77.5	30.4	42	100	.
TX02U7682	.	.	13	63.8	31.7	44	100	.
LA07068-75	.	.	14	63.3	33.1	42	100	.
LA05011-30	.	.	16	62.2	28.7	52	100	.
LA06059-7-46	.	.	17	61.7	30.7	36	95	.
Average	81.4	80.6		73.2 [2]	30.8	44	100	.
LSD at 10% Level	N.S.[3]	N.S.		14.6	N.S.	-	-	
Std. Err. of Entry Mean	3.9	4.9		6.2	2.0	-	-	

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. C.V. = 16.8%, and df for EMS = 57.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 21, 2012.
Harvested: June 24, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.8.
Fertilization: Preplant: 40 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Disked and subsoiled; applied 1,000 lb/acre lime.
Previous Crop: Cotton.

Test conducted by A. Coy, R. Brook, D. Dunn, B. McCranie, K. Cobb, and R. Milton.

Griffin, Georgia:
Oat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival	Crown Rust[2]
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%
Horizon 270	**140.7**	**147.8**	1	**173.8**	34.4	47	49	04/17	100	30
SS 76-50	**140.6**	**137.5**	2	**154.5**	35.1	50	84	04/22	100	30
Gerard 224	**132.9**	131.1	12	135.5	36.0	47	90	04/20	100	30
Gerard 229	**129.3**	126.5	7	144.3	33.6	46	81	04/25	100	50
Horizon 306	**127.4**	**137.0**	10	138.9	36.8	50	76	04/24	100	30
Horizon 201	**122.0**	130.7	17	117.8	33.2	58	80	04/18	100	30
Plot Spike LA9339	.	**150.2**	3	**154.3**	35.8	54	64	04/26	100	70
TAMO 411	.	135.1	5	**150.6**	35.5	52	56	04/24	100	30
TX05CS542	.	123.6	11	137.1	31.3	51	55	04/15	100	70
LA04004SBSB-7-B-S1	.	123.2	15	131.9	37.2	52	79	04/19	100	30
NC07-3801	.	100.2	18	116.3	35.4	51	81	04/24	100	30
FL02011	.	90.7	20	96.6	43.6	51	29	04/23	100	30
LA07068-75	.	.	4	**151.2**	35.9	51	43	04/15	100	30
FL0650-N2	.	.	6	**148.9**	33.1	53	99	04/16	100	30
LA05011-30	.	.	8	143.7	33.6	50	78	04/23	100	30
LA07007-68	.	.	9	141.3	35.9	48	90	04/15	100	0
TX02U7682	.	.	13	133.8	32	45	58	04/15	100	20
LA06059-7-46	.	.	14	133.4	32.6	40	86	04/15	100	30
FL0733-R2-Ab1	.	.	16	129.4	31.7	56	69	04/24	100	30
TX05CS556	.	.	19	113.6	31	46	84	04/17	100	70
Average	132.1	127.8		137.3 [3]	34.7	50	71	04/20	100	35
LSD at 10% Level	N.S.[4]	13.6		25.4	1.0	3	23	02	-	-
Std. Err. of Entry Mean	4.0	5.8		10.8	0.4	1	10	01	-	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. Late season crown rust infection.
3. C.V. = 15.8%, and df for EMS = 57.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 1, 2012.
Harvested: June 12, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Pacolet coarse sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.6.
Fertilization: Preplant: 20 lb N, 40 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 70 lb N/acre.
Management: Moldboard plowed, disked and rototilled.
Previous Crop: Corn.

Test conducted by J. Gassett and G. Ware.

Calhoun, Georgia:
Oat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Horizon 201	**113.3**	**88.3**	4	63.1	27.6	56	90	04/21	100
Gerard 224	**106.2**	**79.0**	11	58.3	28.4	50	93	04/26	100
Gerard 229	**103.6**	**80.7**	1	**88.6**	29.0	45	93	04/25	100
SS 76-50	**99.6**	**87.6**	2	**78.1**	28.4	48	91	04/22	100
Horizon 270	**88.5**	61.2	7	60.4	26.5	45	96	04/22	100
Horizon 306	**88.4**	71.7	9	59.7	30.0	53	88	04/24	100
NC07-3801	.	71.4	10	59.3	31.2	54	88	04/27	100
TAMO 411	.	67.5	6	61.6	30.2	53	85	04/24	100
TX05CS542	.	67.1	12	57.3	26.5	52	88	04/20	100
Plot Spike LA9339	.	66.0	17	45.1	29.9	51	89	04/29	100
LA04004SBSB-7-B-S1	.	64.1	13	54.1	31.0	50	79	04/16	100
FL02011	.	30.0	20	23.9	32.0	48	83	04/27	100
TX05CS556	.	.	3	68.2	28.0	45	94	04/27	100
LA07007-68	.	.	5	62.0	32.1	47	96	04/15	100
LA06059-7-46	.	.	8	59.9	26.3	40	94	04/17	100
FL0650-N2	.	.	14	50.7	25.8	56	95	04/22	100
LA05011-30	.	.	15	49.3	29.7	51	93	04/22	100
LA07068-75	.	.	16	47.3	28.7	50	91	04/26	100
TX02U7682	.	.	18	43.9	26.8	46	96	04/20	100
FL0733-R2-Ab1	.	.	19	40.2	27.7	52	86	04/29	100
Average	99.9	69.5		56.5 [2]	28.8	50	90	04/23	100
LSD at 10% Level	N.S.[3]	12.8		14.7	3.4	4	7	04	-
Std. Err. of Entry Mean	5.4	5.4		6.2	1.4	2	3	02	-

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. C.V. = 22.0%, and df for EMS = 57.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 11, 2012.
Harvested: June 14, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Waynesboro loam.
Soil Test: P = High, K = High, and pH = 6.0.
Fertilization: Preplant: 25 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Topdress: 60 lb N/acre.
Management: Chisel plowed, disked and rototilled.
Previous Crop: Soybeans.

Test conducted by J. Gassett, G. Ware, and J. Stubbs.

Quincy, Florida:
Oat Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Crown Rust
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day	%
Horizon 270	.	**98.4**	2	67.7	25.2	49	70	04/04	70
Horizon 306	.	**91.6**	8	41.3	22.4	54	75	04/10	65
Horizon 201	.	**86.3**	6	45.2	24.4	56	78	04/04	50
Gerard 224	.	**75.0**	19	21.9	17.2	49	90	04/06	75
SS 76-50	.	**70.4**	17	25.6	18.3	49	88	04/06	70
Gerard 229	.	**68.8**	20	12.1	15.6	42	90	04/09	80
LA07007-68	.	.	1	**104.5**	30.9	55	73	04/01	0
LA04004SBSB-7-B-S1	.	.	3	54.6	26.4	48	68	04/02	30
TX02U7682	.	.	4	48.9	21.2	48	83	03/31	60
FL0733-R2-Ab1	.	.	5	48.8	25.3	58	58	04/08	55
LA06059-7-46	.	.	7	43.4	22.6	43	85	04/02	55
TAMO 411	.	.	9	39.5	18.9	52	83	04/08	55
FL02011	.	.	10	36.0	36.0	53	25	04/06	35
LA07068-75	.	.	11	35.6	23.2	51	88	04/01	70
LA05011-30	.	.	12	34.1	20.0	53	88	04/07	55
FL0650-N2	.	.	13	31.2	19.3	53	88	04/08	65
Plot Spike LA9339	.	.	14	29.1	23.1	54	58	04/11	45
TX05CS542	.	.	15	26.6	17.9	50	88	03/29	80
TX05CS556	.	.	16	26.3	18.4	46	88	03/31	80
NC07-3801	.	.	18	25.5	20.6	50	88	04/10	70
Average	.	81.7		39.9 [2]	22.3	51	77	04/05	58
LSD at 10% Level		N.S.[3]		9.9	-	3	13	-	22
Std. Err. of Entry Mean		2.9		4.2	-	1	5	-	9

1. Yields calculated as 32 pounds per bushel at 12.5% moisture.
2. C.V. = 21.0%, and df for EMS = 57.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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 4, 2012.
Harvested: May 22, 2013.
Seeding Rate: 15 seeds per foot in 7" rows.
Soil Type: Orangeburg loamy sand.
Soil Test: P = Medium, K = Low, and pH = 6.2.
Fertilization: Preplant: 25 lb N, 50 lb P_2O_5, and 75 lb K_2O/acre.
Topdress: 56 lb N/acre.
Management: Disked; Buctril and Harmony Extra used for weed control.

Test conducted by J. Jones, R. Barnett, and A. Blount.

Summary of Oat Yields:
Georgia, 2012-2013 with Two- and Three-Year Averages

	Yield[1]								
	South[2]			North[3]			Statewide[4]		
Brand-Variety	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013
	bu/acre								
FL02011	.	63.3	61.3	.	60.3	60.3	.	62.1	60.9
FL0650-N2	.	.	**100.8**	.	.	**99.8**	.	.	**100.4**
FL0733-R2-Ab1	.	.	82.8	.	.	84.8	.	.	83.6
Gerard 224	**98.9**	93.0	82.6	**119.5**	**105.0**	**96.9**	**107.2**	97.8	88.3
Gerard 229	**92.0**	85.2	72.7	**116.4**	**103.6**	**116.4**	**101.8**	92.6	90.2
Horizon 201	**102.6**	**102.6**	**101.8**	**117.7**	**109.5**	90.4	**108.6**	**105.3**	**97.3**
Horizon 270	**98.5**	90.5	91.2	**114.6**	**104.5**	**117.1**	**104.9**	96.1	**101.6**
Horizon 306	**102.7**	**100.9**	**103.5**	**107.9**	**104.4**	**99.3**	**104.8**	**102.3**	**101.8**
LA04004SBSB-7-B-S1	.	93.5	86.2	.	93.6	93.0	.	93.6	88.9
LA05011-30	.	.	74.4	.	.	**96.5**	.	.	83.2
LA06059-7-46	.	.	83.5	.	.	**96.6**	.	.	88.8
LA07007-68	.	.	**105.4**	.	.	**101.7**	.	.	**103.9**
LA07068-75	.	.	71.2	.	.	**99.2**	.	.	82.4
NC07-3801	.	81.8	83.2	.	85.8	87.8	.	83.4	85.1
Plot Spike LA9339	.	86.9	88.3	.	**108.1**	**99.7**	.	95.4	92.8
SS 76-50	**101.7**	**99.5**	89.0	**120.1**	**112.6**	**116.3**	**109.1**	**104.8**	**100.0**
TAMO 411	.	89.4	84.6	.	**101.3**	**106.1**	.	94.2	93.2
TX02U7682	.	.	77.0	.	.	88.9	.	.	81.7
TX05CS542	.	84.9	74.4	.	95.3	**97.2**	.	89.1	83.5
TX05CS556	.	.	77.5	.	.	90.9	.	.	82.8
Average	99.4	89.3	84.6	116.0	98.7	96.9	106.1	93.1	89.5
LSD at 10% Level	N.S.[5]	7.2	8.6	N.S.	13.4	22.5	N.S.	6.9	10.3
Std. Err. of Entry Mean	2.2	3.1	3.7	5.1	5.6	9.6	2.4	3.0	4.4

1. Yields calculated at 32 pounds per bushel at 12.5% moisture.
2. Tifton, Plains, and Midville.
3. Griffin and Calhoun.
4. All five sites.
5. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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).

Barley

Plains, Georgia:
Barley Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	2013 Data Yield[1]	2013 Data Test Wt	2013 Data Ht	2013 Data Lodg.	2013 Data Head Date
	----- bu/acre -----			bu/acre	lb/bu	in	%	mo/day
Atlantic	**98.1**	**98.2**	2	**112.8**	43.1	45	55	.
Price	**96.9**	**98.3**	3	**110.3**	45.8	44	16	.
Thoroughbred	**96.8**	**94.2**	1	**120.5**	44.3	47	0	.
Nomini	.	.	4	**105.7**	43.1	49	10	.
VA08B-109	.	.	5	**102.2**	42	43	46	.
VA07H-31WS	.	.	6	**100.9**	57.9	47	0	.
VA08B-85	.	.	7	**94.0**	44.8	43	65	.
Average	97.3	96.9		106.6 [2]	45.9	45	28	.
LSD at 10% Level	N.S.[3]	N.S.		N.S.	0.9	2	36	
Std. Err. of Entry Mean	2.8	3.8		6.2	0.4	1	15	

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.
2. C.V. = 11.6%, and df for EMS = 18.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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

Planted: November 9, 2012.
Harvested: May 31, 2013.
Seeding Rate: 19 seeds per foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 5.8.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 80 lb N/acre.
Management: Disked, chiseled and rototilled; Harmony Extra and Osprey used for weed control.
Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn, B. McCranie, D. Pearce, and W. Jones.

Calhoun, Georgia:
Barley Grain Performance, 2012-2013

Brand-Variety	Yield[1] 3-Year Average	Yield[1] 2-Year Average	2013 Data Rank	Yield[1]	Test Wt	Ht	Lodg.	Head Date	Winter Survival	Bird Damage[2]
	---- bu/acre ----			bu/acre	lb/bu	in	%	mo/day	%	%
Thoroughbred	**81.4**	**57.3**	4	**29.6**	43.0	41	90	04/06	100	16
Price	**80.7**	**64.8**	6	**27.3**	40.5	44	85	04/02	100	26
Atlantic	**71.8**	**54.3**	7	**20.5**	35.2	43	83	04/04	100	23
VA08B-85	.	.	1	**37.6**	38.0	42	86	04/02	100	18
Nomini	.	.	2	**31.9**	35.9	43	83	04/07	100	21
VA08B-109	.	.	3	**30.7**	39.0	43	88	04/04	100	23
VA07H-31WS	.	.	5	**27.7**	39.6	42	88	04/06	100	23
Average	78.0	58.8		29.3 [3]	38.7	42	86	04/05	100	21
LSD at 10% Level	N.S.[4]	N.S.		N.S.	1.9	N.S.	N.S.	N.S.	-	N.S.
Std. Err. of Entry Mean	8.3	6.0		4.2	0.8	1	3	02	-	4

1. Yields calculated as 48 pounds per bushel at 12.0% moisture.
2. Rated as percent damage
3. C.V. = 28.6%, and df for EMS = 18.
4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a 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, 2012.
Harvested: June 14, 2013.
Seeding Rate: 19 seeds per foot in 7" rows.
Soil Type: Waynesboro loam.
Soil Test: P = High, K = High, and pH = 6.0.
Fertilization: Preplant: 25 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Topdress: 70 lb N/acre.
Management: Chisel plowed, disked and rototilled.
Previous Crop: Soybeans.

Test conducted by J. Gassett, G. Ware, and J. Stubbs.

Summary of Barley Yields:
Georgia, 2012-2013 with Two- and Three-Year Averages

	Yield[1]								
	South[2]			North[3]			Statewide		
Brand-Variety	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013	3-Year Average	2-Year Average	2013
	bu/acre								
Atlantic	**98.1**	**98.2**	**112.8**	**71.8**	**54.3**	**20.5**	**84.9**	**76.2**	**66.6**
Nomini	.	.	**105.7**	.	.	**31.9**	.	.	**68.8**
Price	**96.9**	**98.3**	**110.3**	**80.7**	**64.8**	**27.3**	**88.8**	**81.5**	**68.8**
Thoroughbred	**96.8**	**94.2**	**120.5**	**81.4**	**57.3**	**29.6**	**89.1**	**75.7**	**75.1**
VA07H-31WS	.	.	**100.9**	.	.	**27.7**	.	.	**64.3**
VA08B-109	.	.	**102.2**	.	.	**30.7**	.	.	**66.5**
VA08B-85	.	.	**94.0**	.	.	**37.6**	.	.	**65.8**
Average	97.3	96.9	106.6	78.0	58.8	29.3	87.6	77.8	68.0
LSD at 10% Level	N.S.[4]	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Std. Err. of Entry Mean	3.8	2.8	6.2	8.3	6.0	9.2	2.8	`3.6	3.7

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, a 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).

Wheat Forage

Tifton, Georgia:
Wheat Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	12-19-12	1-22-13	2-22-13	3-21-13	2013	2-Yr Avg
	lb/acre					
SS 8641	**982**	**1928**	1721	2222	**6851**	**7218**
AGS 2026	579	1552	1547	**2766**	**6444**	.
GA-Gore	754	1470	1732	2385	**6341**	6280
GA031086-10E26	610	1546	1514	**2527**	**6196**	.
Oglethorpe	436	1242	1775	**2679**	**6131**	.
GA031134-10E29	425	1503	1721	2461	**6110**	.
GA031257-10LEL34	479	1230	1764	2418	5891	.
USG 3555	697	**1644**	1525	1960	5826	.
LA754	664	**1829**	**2124**	1209	5826	.
Arcadia	773	**1830**	1797	1416	5815	.
AGS 2060	706	**1782**	1742	1481	5711	.
TV8861	555	1209	1307	**2581**	5652	.
AGS 2035	675	**1808**	**1895**	1089	5467	.
SS 8308	459	1209	1449	2331	5447	.
GA04570-10E46	577	**1677**	**1917**	1231	5402	.
AGS 2038	687	**1819**	1732	1078	5315	5702
Jamestown	619	1590	1786	1220	5214	.
Dyna-Gro Baldwin	570	1492	1764	1274	5100	.
Average	625	1576	1712	1907	5819 [1]	6400
LSD at 10% Level	201	312	289	296	802	524
Std. Err. of Entry Mean	85	132	122	125	239	207

1. C.V. = 11.6%, and df for EMS = 51.

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

Planted: October 19, 2012.
Seeding Rate: 27 seed/foot in 7" rows.
Soil Type: Tift sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.7.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 30 lb N/acre and 30 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, rototilled; 1000 lb/acre of Lime applied.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Wheat Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	1-09-13	2-06-13	3-04-13	3-28-13	2013	2-Yr Avg
	lb/acre					
AGS 2026	1575	**1902**	**2418**	1830	**7725**	.
SS 8308	1263	**1779**	2113	**2345**	**7499**	.
TV8861	1474	**1648**	1953	**2418**	**7492**	.
Arcadia	**2004**	**1801**	1496	**2156**	**7456**	.
Oglethorpe	1663	**1626**	**2301**	1772	**7361**	.
GA031134-10E29	1299	**1880**	**2251**	1902	**7332**	.
SS 8641	**1837**	**1786**	2019	1641	**7282**	**7913**
GA031257-10LEL34	1336	**1619**	**2374**	1938	**7267**	.
GA031086-10E26	1329	**1742**	**2265**	1655	6991	.
USG 3555	1278	**1837**	1895	1662	6672	.
GA-Gore	1155	**1721**	1786	1764	6425	**7419**
LA754	**2018**	**2004**	932	1293	6246	.
AGS 2060	**1706**	**1982**	944	1409	6040	.
Dyna-Gro Baldwin	**1789**	**1445**	1583	1125	5942	.
GA04570-10E46	1046	**1568**	1583	1481	5678	.
Jamestown	1264	**1859**	1031	1452	5605	.
AGS 2035	**1917**	**1685**	766	1220	5587	.
AGS 2038	1518	**1619**	900	1409	5445	**6584**
Average	1526	1750	1700	1693	6669 [1]	7305
LSD at 10% Level	353	N.S.[2]	226	285	458	N.S.
Std. Err. of Entry Mean	149	122	96	120	194	246

1. C.V. = 5.8%, and df for EMS = 51.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 18, 2012.
Seeding Rate: 27 seed/foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 50 lb N/acre and 80 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, chisel plowed, and rototilled.
Previous Crop: Corn.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Wheat Forage Performance, 2012-2013

	Dry Matter Yield				
	Harvest Date			Season Totals	
Brand-Variety	1-25-13	3-08-13	5-14-13	2013	2-Yr Avg
	lb/acre				
Arcadia	**3065**	792	**12004**	**15860**	.
SS 8641	**2802**	1638	10454	14894	.
SS 8308	1027	**2579**	10967	14572	.
GA031134-10E29	2514	1769	10219	14502	.
GA031086-10E26	2561	1836	10076	14473	.
TV8861	786	**2602**	10709	14097	.
GA04570-10E46	2172	1066	10540	13778	.
AGS 2026	2201	2231	9134	13566	.
AGS 2038	**2914**	592	9890	13395	.
Oglethorpe	2192	2181	8994	13366	.
AGS 2060	**2959**	705	9622	13286	.
Dyna-Gro Baldwin	**2728**	1111	9232	13070	.
AGS 2035	**3163**	599	9191	12953	.
LA754	**2936**	707	9286	12929	.
GA031257-10LEL34	1729	1986	9199	12913	.
GA-Gore	1641	1924	9033	12597	.
Roberts	1688	2028	8625	12341	.
USG 3555	1953	1809	8260	12022	.
Jamestown	2583	560	7693	10835	.
Average	2295	1511	9638	13445 [1]	.
LSD at 10% Level	574	236	722	904	
Std. Err. of Entry Mean	242	100	305	382	

1. C.V. = 5.7%, and df for EMS = 54.

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

Planted: October 10, 2012.
Seeding Rate: 27 seed/foot in 7" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st and 2nd harvests.
Management: Moldboard plowed, disked and rototilled; Harmony Extra and Powerflex used for weed control.
Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.

Marianna, Florida:
Wheat Forage Performance, 2012-2013

	Dry Matter Yield						
	Harvest Date					Season Totals	
Brand-Variety	1-14-13	2-11-13	3-18-13	4-16-13	5-21-13	2013	2-Yr Avg
	lb/acre						
TV8861	314	301	2831	**2745**	**497**	**6687**	.
Oglethorpe	552	612	3075	2107	132	**6478**	.
GA031134-10E29	**744**	759	2552	2138	260	**6453**	.
GA031086-10E26	606	511	2756	2061	300	**6234**	.
SS 8641	**910**	744	2885	1460	149	**6148**	**5706**
GA031257-10LEL34	258	286	**3682**	1543	226	5994	.
AGS 2026	539	379	3104	1689	162	5872	.
SS 8308	260	417	2230	**2710**	99	5716	.
USG 3555	454	360	2815	1786	242	5656	.
AGS 2060	**731**	**1502**	1457	1723	98	5509	.
GA04570-10E46	**782**	**1387**	1724	1526	89	5508	.
AGS 2038	**883**	**1446**	1361	1623	88	5401	**4780**
Arcadia	526	**1318**	2182	1107	154	5287	.
GA-Gore	602	357	2361	1824	112	5255	**5016**
Dyna-Gro Baldwin	**828**	935	1910	1112	127	4910	.
AGS 2035	**915**	**1311**	1166	1246	99	4736	.
LA754	337	1215	2055	956	80	4643	.
LA02015E201	730	**1494**	1602	653	96	4575	.
Average	609	852	2319	1667	167	5614 [1]	5167
LSD at 10% Level	189	202	266	325	104	612	N.S.[2]
Std. Err. of Entry Mean	79	85	112	137	44	258	131

1. C.V. = 9.2%, and df for EMS = 51.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 3, 2012.
Seeding Rate: 27 seed/foot in 7" rows.
Soil Type: Chipola loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 30 lb N, 0 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.
Management: Moldboard plowed and rototilled; Buctril and Harmony Extra used for weed control.
Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary:
Wheat Forage Performance, 2012-2013
with Two- and Three-Year Averages

	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
Brand-Variety	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg[1]	3-Yr Avg[2]	2013	2-Yr Avg	3-Yr Avg
	lb/acre											
AGS 2026	**6444**	.	.	**7725**	.	.	13566	.	.	**9245**	.	.
AGS 2035	5467	.	.	5587	.	.	12953	.	.	8002	.	.
AGS 2038	5315	5702	**6128**	5445	**6584**	**6564**	13395	**11016**	.	8052	7767	.
AGS 2060	5711	.	.	6040	.	.	13286	.	.	8345	.	.
Arcadia	5815	.	.	**7456**	.	.	**15860**	.	.	**9710**	.	.
Dyna-Gro Baldwin	5100	.	.	5942	.	.	13070	**11028**	**9172**	8037	.	.
GA-Gore	**6341**	6280	6234	6425	**7419**	**6997**	12597	**11317**	**9233**	8454	8339	7488
GA031086-10E26	**6196**	.	.	6991	.	.	14473	.	.	**9220**	.	.
GA031134-10E29	**6110**	.	.	**7332**	.	.	14502	.	.	**9314**	.	.
GA031257-10LEL34	5891	.	.	**7267**	.	.	12913	.	.	8690	.	.
GA04570-10E46	5402	.	.	5678	.	.	13778	.	.	8286	.	.
Jamestown	5214	.	.	5605	.	.	10835	**10526**	.	7218	.	.
LA754	5826	.	.	6246	.	.	12929	.	.	8333	.	.
Oglethorpe	**6131**	.	.	**7361**	.	.	13366	**11443**	**9595**	**8953**	.	.
Roberts	.	.	.	.	.	.	12341	**10822**	**9139**	.	.	.
SS 8308	5447	.	.	**7499**	.	.	14572	**11769**	.	**9173**	.	.
SS 8641	**6851**	**7218**	**6890**	**7282**	**7913**	**7428**	14894	**12486**	**10360**	**9676**	**9206**	**8226**
TV8861	5652	.	.	**7492**	.	.	14097	.	.	**9080**	.	.
USG 3555	5826	.	.	6672	.	.	12022	.	.	8173	.	.
Average	5819	6400	6418	6669	7305	6996	13445	11301	9500	8665	8437	7857
LSD at 10% Level	802	524	N.S.[3]	458	N.S.	N.S.	904	N.S.	N.S.	884	402	385
Std. Err. of Entry Mean	239	207	165	194	246	127	382	303	284	181	169	121

1. 2-year average: 2011 and 2013.
2. 3-year average: 2010, 2011, and 2013.
3. The F-Test indicated no statistical difference at the alpha = 0.1 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, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	12-19-12	1-22-13	2-22-13	3-21-13	2013	2-Yr Avg
	---------- lb/acre ----------					
Triticale						
NC07-1088	**1046**	2015	1525	**2189**	**6773**	.
FL01008	**906**	**2625**	1035	1710	6274	**6164**
Trical 342	730	**2581**	980	1612	5903	**6336**
Monarch	**839**	2276	1078	1699	5892	**6058**
NC08-26	381	1514	**1917**	1939	5749	.
FL01143	719	**2570**	882	1481	5652	**6486**
Average	770	2263	1236	1771	6040 [1]	6261
LSD at 10% Level	250	298	187	168	494	N.S.[2]
Std. Err. of Entry Mean	100	120	76	68	200	195
Rye						
Bates RS4	1405	2319	**2124**	2635	**8483**	**8733**
Maton II	1343	2211	**2091**	2723	**8368**	.
NF97326	1343	2371	**2047**	2570	**8331**	**8323**
NF95307B	1100	2254	**2156**	2668	**8179**	.
FL4X404	1663	**2647**	1329	2276	**7914**	.
Wrens Abruzzi	1187	2211	**2200**	2287	**7885**	**8120**
AGS 104	1307	2363	1852	2352	**7874**	**8564**
Maton	915	1634	1852	3246	7645	.
FL2X405	**2232**	1644	1427	2320	7623	.
Florida 401	**2015**	1797	1405	2341	7558	**8133**
FL2X406	771	1797	**2037**	2919	7522	.
NF95319B	991	1862	**2026**	2548	7427	**7820**
Elbon	879	1645	1823	3017	7363	**7613**
Oklon	752	1383	1644	**3333**	7111	.
Average	1279	2010	1858	2660	7806 [3]	8186
LSD at 10% Level	415	232	195	278	663	N.S.
Std. Err. of Entry Mean	174	97	82	116	278	215

1. C.V. = 6.6%, and df for EMS = 15.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.
3. C.V. = 7.1%, and df for EMS = 39.

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

Planted: October 18, 2012.
Seeding Rate: Triicale: 27 seed/foot in 7" rows.
Rye: 36 seed/foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 50 lb N/acre and 80 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, chisel plowed, and rototilled.
Previous Crop: Corn.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Triticale and Rye Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	1-09-13	2-08-13	3-04-13	3-28-13	2013	2-Yr Avg
	lb/acre					
Triticale						
NC07-1088	2069	**1401**	**1888**	**1910**	**7268**	.
NC08-26	1768	**1645**	1423	1648	6484	.
Monarch	2018	**1401**	935	966	5320	**5573**
FL01143	**2396**	1031	828	922	5177	**5675**
Trical 342	2040	**1445**	543	1002	5029	**5667**
FL01008	2040	1183	581	784	4588	**5292**
Average	2055	1351	1033	1205	5644 [1]	5552
LSD at 10% Level	276	355	331	219	494	N.S.[2]
Std. Err. of Entry Mean	111	143	134	88	199	188
Rye						
Maton	2280	**1852**	**2069**	**2563**	**8764**	.
Oklon	1905	**1786**	**2323**	**2526**	**8541**	.
Elbon	2113	**1699**	**2178**	**2512**	**8502**	**9675**
FL2X406	2482	1532	**2164**	1895	8072	.
Florida 401	**3289**	1184	1046	1837	7355	**6809**
Wrens Abruzzi	2091	1590	1612	1924	7216	**7345**
AGS 104	2766	1423	1031	1910	7130	**7284**
FL2X405	**3231**	1060	1002	1815	7107	.
FL4X404	2425	1137	1069	1990	6620	.
Average	2509	1473	1610	2108	7701 [3]	7778
LSD at 10% Level	216	222	331	224	346	N.S.
Std. Err. of Entry Mean	89	92	137	92	143	138

1. C.V. = 7.0%, and df for EMS = 15.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.
3. C.V. = 3.7%, and df for EMS = 24.

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

Planted: October 18, 2012.

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

Soil Type: Greenville sandy loam.

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

Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 50 lb N/acre and 80 lb N/acre after 1st, 2nd, and 3rd harvests.

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Corn.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Triticale and Rye Forage Performance, 2012-2013

	Dry Matter Yield				
	Harvest Date			Season Totals	
Brand-Variety	1-08-13	3-07-13	5-10-13	2013	2-Yr Avg
	---------- lb/acre ----------				
Triticale					
NC07-1088	**2688**	**3547**	**6829**	**13064**	.
NC08-26	2187	**3263**	**7064**	**12513**	.
FL01143	**2780**	1539	**7785**	**12103**	.
FL01008	**2939**	1778	**7203**	**11919**	.
Monarch	2485	2490	**6914**	**11889**	**9912**
Trical 342	2346	2429	**7031**	**11805**	**9159**
Average	2571	2507	7137	12215 [1]	9536
LSD at 10% Level	448	310	N.S.[2]	N,S,	N.S.
Std. Err. of Entry Mean	181	125	432	477	298
Rye					
NF95307B	3035	**4224**	7821	**15080**	.
AGS 104	**5037**	1744	7746	**14527**	**12616**
Bates RS4	3059	3921	7066	**14045**	**11082**
Oklon	1742	3387	**8892**	**14021**	.
Maton	2390	**4249**	7324	**13963**	.
NF95319B	2815	3966	7179	**13960**	**11380**
Elbon	2778	3057	**8058**	13892	**11234**
Wrens Abruzzi	2892	4066	6909	13866	**11794**
NF97326	2877	3942	6867	13686	**11421**
FL2X405	**4525**	1666	6942	13132	.
Maton II	2764	3466	6842	13072	.
FL2X406	2231	**4704**	6122	13056	.
Florida 401	**4694**	1433	6811	12938	**10689**
FL4X404	3605	1457	7669	12730	.
Average	3174	3234	7303	13712 [3]	11459
LSD at 10% Level	577	506	988	1168	N.S.
Std. Err. of Entry Mean	242	212	414	490	313

1. C.V. = 7.8%, and df for EMS = 15.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.
3. C.V. = 7.2%, and df for EMS = 39.

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

Planted: October 10, 2013.

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

Soil Type: Cecil sandy clay loam.

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

Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st and 2nd harvests.

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

Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.

Marianna, Florida:
Triticale and Rye Forage Performance, 2012-2013

	Dry Matter Yield						
	Harvest Date					Season Totals	
Brand-Variety	12-19-12	1-22-13	2-20-13	3-26-13	4-26-13	2013	2-Yr Avg
	lb/acre						
Triticale							
NC07-1088	531	1542	1333	**3677**	**857**	**7939**	.
NC08-26	463	1339	**1686**	2693	358	6539	.
Trical 342	**807**	**2474**	697	1907	254	6139	**5112**
FL01008	**942**	2174	624	1989	331	6060	**4977**
Monarch	**870**	1716	770	2046	224	5626	**4928**
FL01143	**937**	2178	255	1636	336	5342	**4686**
Average	758	1904	894	2325	393	6274 [1]	4926
LSD at 10% Level	167	256	260	259	146	479	N.S.[2]
Std. Err. of Entry Mean	68	103	104	**104**	59	194	123
Rye							
Elbon	529	1022	1001	**4298**	**1337**	**8187**	.
Maton	334	857	1272	**4370**	**1018**	**7851**	.
Wrens Abruzzi	557	1405	**1876**	3333	425	**7596**	**6396**
AGS 104	937	**1722**	1438	2898	520	**7513**	.
FL2X406	350	1175	1493	3902	309	7228	.
FL4X404	584	**1736**	1234	2856	784	7194	.
Oklon	318	691	979	3855	**1092**	6934	.
FL2X405	**1722**	794	1106	2326	636	6583	.
Florida 401	**1617**	548	1108	2174	566	6013	**5183**
Average	772	1105	1278	3335	743	7233 [3]	5789
LSD at 10% Level	195	251	348	462	371	779	N.S.
Std. Err. of Entry Mean	80	104	144	191	154	322	109

1. C.V. = 6.2%, and df for EMS = 15.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a LSD value was not calculated.
3. C.V. = 8.9%, and df for EMS = 24.

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

Planted: November 3, 2012.
Seeding Rate: Triticale: 27 seed/foot in 7" rows.
Rye: 36 seed/foot in 7" rows.
Soil Type: Chipola loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 30 lb N, 0 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st, 2nd, 3rd, and 4th harvests.
Management: Moldboard plowed and rototilled; Buctril and Harmony Extra used for weed control.
Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary: Triticale and Rye Forage Performance, 2012-2013 with Two- and Three-Year Averages

	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
Brand-Variety	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg
	lb/acre											
Triticale												
FL01008	6274	**6164**	.	4588	**5292**	.	**11919**	.	.	7594	.	.
FL01143	5652	**6486**	.	5177	**5675**	.	**12103**	.	.	7644	.	.
Monarch	5892	**6058**	.	5320	**5573**	.	**11889**	**9357**	.	7700	**6996**	.
NC07-1088	**6773**	.	.	**7268**	.	.	**13064**	.	.	**9035**	.	.
NC08-26	5749	.	.	6484	.	.	**12513**	.	.	8249	.	.
Trical 342	5903	**6336**	6609	5029	**5667**	6028	**11805**	**9159**	9449	7579	**7054**	7362
Average	6040	6261	6609	5644	5552	6028	12215	9258	9449	7967	7025	7362
LSD at 10% Level	663	N.S.[1]	*	346	N.S.		N.S.	N.S.	-	687	N.S.	-
Std. Err. of Entry Mean	278	215	-	143	138	-	477	298	-	185	185	-
Rye												
AGS 104	**7874**	**8564**	.	7130	**7284**	.	**14527**	**12616**	.	**9843**	**9488**	.
Bates RS4	**8483**	**8733**	**8701**	.	.	.	**14045**	**11082**	**10758**	.	.	.
Elbon	7363	**7613**	.	**8502**	**9675**	.	13892	**11234**	.	**9919**	**9507**	.
FL2X405	7623	.	.	7107	.	.	13132	.	.	**9287**	.	.
FL2X406	7522	.	.	8072	.	.	13056	.	.	**9550**	.	.
FL4X404	**7914**	.	.	6620	.	.	12730	.	.	**9088**	.	.
Florida 401	7558	**8133**	8003	7355	**6809**	**7218**	12938	**10689**	**9939**	**9283**	8543	**8387**
Maton	7645	.	.	**8764**	.	.	**13963**	.	.	**10124**	.	.
Maton II	**8368**	.	.	.	.	.	13072	.	.	.	.	.
NF95307B	**8179**	.	.	.	.	.	**15080**	.	.	.	.	.
NF95319B	7427	**7820**	.	.	.	.	**13960**	**11380**	.	.	.	.
NF97326	**8331**	**8323**	.	.	.	.	13686	**11421**	.	.	.	.
Oklon	7111	.	.	**8541**	.	.	**14021**	.	.	**9891**	.	.
Wrens Abruzzi	**7885**	**8120**	8085	7216	**7345**	**7212**	13866	**11794**	**10996**	**9655**	9086	**8765**
Average	7806	8186	8263	7701	7778	7215	13712	11459	10565	9627	9156	8576
LSD at 10% Level	663	N.S.	428	346	N.S.	N.S.	1168	N.S.	N.S.	N.S.	373	N.S.
Std. Err. of Entry Mean	278	215	175	143	138	90	490	313	361	218	158	149

1. The F-Test indicated no statistical difference at the alpha = 0.1 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, 2012-2013

Company or Brand Name	Forage Yield Dry	Forage Yield Green	Plant Height	Dry Matter	Lodging	2-Yr Avg Dry Yield	Head Date
	tons/acre		in	%	%	tons/acre	
FL01143	**4.9**	**12.2**	51	40	.	**4.0**	02/27
NC08-26	**4.6**	**12.8**	44	36	.	.	03/29
Trical 342	**4.5**	**12.5**	47	36	.	**3.7**	03/16
FL01008	**4.4**	**11.4**	54	39	.	**3.6**	03/02
NC07-1088	**4.4**	**12.7**	45	35	.	.	03/19
Monarch	3.3	8.7	49	38	.	**3.1**	03/19
Average	4.4 [1]	11.7 [2]	48	37	.	3.6	03/14
LSD at 10% Level	0.9	2.5	3	2		N.S.[3]	02
Std. Err. of Entry Mean	0.4	1.0	1	1		0.3	01

1. CV = 16.3%, and df for EMS = 15.
2. CV = 17.5%, and df for EMS = 15.
3. The F-test indicated no statistical differences at the alpha = .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 19, 2012.
Harvested: March 22, 2013.
Seeding Rate: 27 seeds/acre in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.7.
Fertilization: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre as preplant; 30 lb N/acre as topdress.
Previous Crop: Wheat.
Management: Disked and rototilled; applied 1,000 lb/acre lime.

Test conducted by A. Coy, R. Brooke, and D. Dunn.

Griffin, Georgia:
Triticale Silage Performance, 2012-2013

Company or Brand Name	Forage Yield Dry	Forage Yield Green	Plant Height	Dry Matter	Lodging	2-Yr Avg Dry Yield	Head Date
	tons/acre		in	%	%	tons/acre	
FL01143	**2.1**	**7.6**	29	27	0	**1.7**	.
Trical 342	**1.9**	**7.8**	29	24	0	**1.6**	.
NC08-26	1.8	**7.5**	28	24	0	.	.
FL01008	1.8	6.3	27	28	0	**1.4**	.
Monarch	1.7	**7.2**	27	24	0	**1.5**	.
NC07-1088	1.7	**7.3**	27	24	0	.	.
Average	1.8 [1]	7.3 [2]	27	25	0	1.6	.
LSD at 10% Level	0.2	0.7	N.S.[3]	1	-	N.S.	
Std. Err. of Entry Mean	0.1	0.3	1	1	-	0.1	

1. CV = 8.6%, and df for EMS = 15.
2. CV = 7.6%, and df for EMS = 15.
3. The F-test indicated no statistical differences at the alpha = .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 1, 2012.
Harvested: April 12, 2013.
Seeding Rate: 27 seeds/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = High, K = High, and pH = 6.6.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre as preplant; 100 lb N/acre as topdress.
Previous Crop: Corn.
Management: Moldboard plowed, disked and rototilled; Harmony Extra used for weed control.

Test conducted by J. Gassett and G. Ware.

Statewide Summary:
Triticale Silage Performance, 2012-2013 with Two- and Three-Year Averages

	Yield																	
	South[1]						North[2]						Statewide					
	2013		2-Yr Average		3-Yr Average		2013		2-Yr Average		3-Yr Average		2013		2-Yr Average		3-Yr Average	
Brand-Variety	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry	Green	Dry
	tons/acre																	
FL01008	**11.4**	**4.4**	**10.3**	**3.6**	.	.	6.3	1.8	**5.9**	1.4	.	.	**8.8**	**3.1**	**8.1**	**2.5**	.	.
FL01143	**12.2**	**4.9**	**11.2**	**4.0**	.	.	**7.6**	**2.1**	**6.7**	**1.7**	.	.	**9.9**	**3.5**	**9.0**	**2.8**	.	.
Monarch	8.7	3.3	9.4	3.1	.	.	**7.2**	1.7	**6.7**	1.5	.	.	**7.9**	**2.5**	**8.1**	**2.3**	.	.
NC07-1088	**12.7**	**4.4**	.	.	.	.	**7.3**	1.7	.	.	.	.	**10.0**	**3.1**	.	.	.	.
NC08-26	**12.8**	**4.6**	.	.	.	.	**7.5**	1.8	.	.	.	.	**10.2**	**3.2**	.	.	.	.
Trical 342	**12.5**	**4.5**	**11.2**	**3.7**	10.9	4.3	**7.8**	**1.9**	**7.1**	**1.6**	11.5	4.8	**10.1**	**3.2**	**9.1**	**2.7**	11.2	4.6
Average	11.7	4.4	10.5	3.6	10.9	4.3	7.3	1.8	6.6	1.6	11.5	4.8	9.5	3.1	8.6	2.6	11.2	4.6
LSD at 10% Level	2.5	0.9	1.4	0.5	-	-	0.7	0.2	N.S.[3]	0.1	-	-	N.S.	N.S.	N.S.	N.S.	-	-
Std. Err. of Entry Mean	1.0	0.4	0.6	0.2	-	-	0.3	0.1	0.2	0.1	-	-	0.5	0.2	0.3	0.1	-	-

1. Tifton.
2. Griffin.
3. The F-test indicated no statistical difference at the alpha = 0.1 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, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	12-19-12	1-22-13	2-22-13	3-21-13	2013	2-Yr Avg
	lb/acre					
FL0650-N2	784	1971	**1623**	**2309**	**6686**	.
NF95418	577	2156	**1721**	**2222**	**6676**	**7335**
Plot Spike LA9339	762	2047	**1721**	**2069**	**6599**	**7317**
Horizon 306	**937**	1961	**1525**	**2069**	**6491**	**7065**
NF27	588	2058	**1721**	**2091**	**6458**	**7098**
TX05CS556	**959**	2189	1198	1939	**6284**	.
TX05CS542	588	**2483**	1220	1993	**6283**	6664
LA07007-68	**980**	2026	1035	**2167**	6207	.
FL02011	**1013**	2124	1154	1906	6196	6614
Shooter	784	2004	1438	1960	6186	6783
TAMO 411	490	1928	**1645**	1884	5946	6690
FL0733-R2-Ab1	676	2113	1362	1764	5915	.
TX02U7682	697	2146	1133	1939	5914	.
SS 76-50	360	1950	**1688**	1808	5805	6373
LA05011-11	305	2167	1329	1939	5739	.
LA04004SBSB-7-B-S1	218	1993	**1590**	1851	5652	6299
RAM LA99016	490	1960	**1557**	1612	5619	6317
LA06059-7-46	425	1939	1361	1699	5423	.
Average	646	2067	1445	1957	6115 [1]	6778
LSD at 10% Level	129	249	204	264	467	375
Std. Err. of Entry Mean	54	106	86	112	197	159

1. C.V. = 6.4%, and df for EMS = 51.

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

Planted: October 19, 2012.
Seeding Rate: 22 seed/foot in 7" rows.
Soil Type: Tift sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.7.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 30 lb N/acre and 30 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, rototilled; 1000 lb/acre of Lime applied.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Oat Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	1-09-13	2-06-13	3-04-13	3-28-13	2013	2-Yr Avg
	lb/acre					
FL0650-N2	1822	2026	**1111**	**1655**	**6614**	.
TX05CS542	1271	**2410**	908	**1764**	**6352**	**7882**
Horizon 306	**1917**	**2062**	886	1481	**6346**	**8061**
Plot Spike LA9339	1525	**2062**	**1111**	**1641**	**6338**	**8217**
LA04004SBSB-7-B-S1	1075	**2461**	**1241**	**1547**	**6323**	**7850**
RAM LA99016	1823	2004	**1118**	1285	**6229**	7435
TX05CS556	**2076**	1946	813	1343	**6178**	.
TX02U7682	1619	**2047**	918	1416	6001	.
TAMO 411	1511	**2214**	947	1285	5957	7457
FL0733-R2-Ab1	**1859**	1619	840	1445	5763	.
LA05011-11	1060	**2120**	**1103**	1474	5757	.
Shooter	**2193**	1626	770	1089	5678	6613
SS 76-50	1067	**2302**	813	1380	5561	7405
LA07007-68	**1924**	1431	828	1379	5561	.
LA06059-7-46	1300	**2163**	**980**	1104	5547	.
FL02011	**2047**	1140	726	1227	5140	6574
Average	1630	1977	945	1407	5959 [1]	7499
LSD at 10% Level	361	423	277	235	447	502
Std. Err. of Entry Mean	152	178	116	99	188	211

1. C.V. = 6.3%, and df for EMS = 45.

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

Planted: October 18, 2012.
Seeding Rate: 22 seed/foot in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 50 lb N/acre and 80 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, chisel plowed, and rototilled.
Previous Crop: Corn.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Oat Forage Performance, 2012-2013

	Dry Matter Yield				
	Harvest Date			Season Totals	
Brand-Variety				2013	2-Yr Avg
	---------- lb/acre ----------				
RAM LA99016	3057	2831	**12406**	**18294**	**13539**
FL0650-N2	3245	3225	**11016**	**17486**	.
NF95418	2548	3352	**11264**	**17163**	**12732**
LA04004SBSB-7-B-S1	1727	3476	**11647**	**16850**	**12650**
FL02011	**4874**	1445	9831	16150	**12103**
Shooter	2837	1913	**11141**	15890	**11808**
Horizon 306	2889	3071	9857	15817	**12297**
TAMO 411	2024	3523	10065	15611	**11843**
TX02U7682	3190	2542	9736	15467	.
FL0733-R2-Ab1	3104	1672	10685	15461	.
LA05011-11	2006	**4102**	9045	15152	.
SS 76-50	2129	3436	9540	15105	**11624**
TX05CS542	2141	3292	9614	15047	**11808**
NF27	2553	3617	8690	14859	**11719**
LA06059-7-46	2300	3157	9282	14740	.
LA07007-68	3726	1648	9242	14616	.
TX05CS556	2756	2305	8743	13804	.
Average	2771	2859	10106	15736 [1]	12212
LSD at 10% Level	423	466	1494	1661	N.S.[2]
Std. Err. of Entry Mean	179	196	630	700	401

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 a 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 10, 2012.
Seeding Rate: 30 seed/foot in 7" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Medium, K = Very High, and pH = 5.9.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st and 2nd harvests.
Management: Moldboard plowed, disked and rototilled; Harmony Extra used for weed control.
Previous Crop: Fallow

Test conducted by J. Gassett and G. Ware.

Marianna, Florida:
Oat Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	1-08-13	2-11-13	3-18-13	4-16-13	2013	2-Yr Avg
	lb/acre					
LA07007-68	**2561**	818	**1567**	1431	**6377**	.
FL02011	**2583**	821	**1402**	1400	**6206**	**5880**
TX02U7682	1396	1752	829	**1840**	**5817**	.
Horizon 306	1545	1467	1065	1710	**5787**	**6165**
TAMO 411	779	1757	1076	**2074**	5685	**5660**
LA05011-11	506	**2019**	1045	**1941**	5511	.
FL0650-N2	1197	1395	**1368**	1533	5492	.
FL0733-R2-Ab1	1302	1474	844	**1848**	5468	.
LA06059-7-46	942	**2037**	665	1787	5430	.
Plot Spike LA9339	1003	1437	1309	1635	5384	**5629**
TX05CS542	1442	1930	662	1327	5362	**5646**
SS 76-50	981	**2029**	462	1741	5212	**5623**
TX05CS556	1793	1679	642	1075	5188	.
LA04004SBSB-7-B-S1	252	1622	1318	**1963**	5155	**5606**
Shooter	1534	1374	685	1531	5124	**5414**
RAM LA99016	899	1282	1125	**1813**	5119	**5843**
Average	1295	1556	1004	1665	5520 [1]	5718
LSD at 10% Level	227	264	220	261	636	N.S.,[2]
Std. Err. of Entry Mean	96	111	92	110	268	182

1. C.V. = 9.7%, and df for EMS = 45.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 3, 2012.
Seeding Rate: 30 seed/foot in 7" rows.
Soil Type: Chipola loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 30 lb N, 0 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Moldboard plowed and rototilled; Buctril and Harmony Extra used for weed control.
Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary:
Oat Forage Performance, 2012-2013
with Two- and Three-Year Averages

	Dry Forage Yield											
	Tifton			Plains			Griffin			Statewide		
Brand-Variety	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg
	lb/acre											
FL02011	6196	6614	.	5140	6574	.	16150	**12103**	.	**9162**	**8430**	.
FL0650-N2	**6686**	.	.	**6614**	.	.	17486	.	.	**10262**	.	.
FL0733-R2-Ab1	5915	.	.	5763	.	.	15461	.	.	**9046**	.	.
Horizon 306	**6491**	**7065**	**7124**	**6346**	**8061**	**7433**	15817	**12297**	**12405**	**9551**	**9141**	8987
LA04004SBSB-7-B-S1	5652	6299	.	**6323**	**7850**	.	**16850**	**12650**	.	**9608**	**8933**	.
LA05011-11	5739	.	.	5757	.	.	15152	.	.	**8883**	.	.
LA06059-7-46	5423	.	.	5547	.	.	14740	.	.	**8570**	.	.
LA07007-68	6207	.	.	5561	.	.	14616	.	.	**8795**	.	.
NF27	**6458**	**7098**	**7285**	.	.	.	14859	**11719**	**12010**	.	.	.
NF95418	**6676**	**7335**	**7423**	.	.	.	**17163**	**12732**	**12906**	.	.	.
Plot Spike LA9339	**6599**	**7317**	**7481**	**6338**	**8217**	**7453**	.	.	.	.	.	.
RAM LA99016	5619	6317	**6901**	**6229**	7435	**7069**	**18294**	**13539**	**13286**	**10047**	**9097**	**9085**
SS 76-50	5805	6373	**6768**	5561	7405	**6842**	15105	**11624**	**10977**	**8824**	**8467**	**8196**
Shooter	6186	6783	**6972**	5678	6613	**6423**	15890	**11808**	**12219**	**9251**	**8401**	**8538**
TAMO 411	5946	6690	.	5957	7457	.	15611	**11843**	.	**9171**	**8663**	.
TX02U7682	5914	.	.	6001	.	.	15467	.	.	**9127**	.	.
TX05CS542	**6283**	6664	.	**6352**	**7882**	.	15047	**11808**	.	**9227**	**8784**	.
TX05CS556	**6284**	.	.	**6178**	.	.	13804	.	.	**8755**	.	.
Average	6115	6778	7136	5959	7499	7044	15736	12212	12300	9219	8740	8702
LSD at 10% Level	467	375	N.S.[1]	447	502	N.S.	1661	N.S.	N.S.	N.S.	N.S.	N.S.
Std. Err. of Entry Mean	197	159	165	188	211	178	700	401	345	175	159	142

1. The F-Test indicated no statistical difference at the alpha = 0.1 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, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	12-19-12	1-22-13	2-22-13	3-21-13	2013	2-Yr Avg
	lb/acre					
FLMAR 4X	593	**1361**	**1623**	**2657**	**6235**	.
Bulldog Grazer	593	1078	**1666**	**2766**	**6103**	**6226**
FLONA 4X	419	**1601**	**1645**	2407	**6071**	.
Chuckwagon	**773**	**1372**	1448	2407	**6000**	.
DH-3	**708**	**1470**	**1492**	2298	**5968**	**5668**
TetraStar	**795**	1285	1361	2287	**5728**	.
ME4	**795**	1154	1427	2341	**5717**	**6258**
Diamond T	**763**	**1449**	1274	2200	**5685**	**5569**
TAMTBO	**806**	1209	1274	2363	**5652**	**5660**
Jackson	**709**	1154	1438	2342	**5643**	**5629**
ME-94	**806**	**1372**	1252	2211	**5641**	**5583**
Flying A	**695**	1252	1383	2287	5617	**5397**
Lonestar	**709**	**1318**	1350	2211	5588	.
Nelson	**695**	1111	1209	2418	5432	**5699**
Maximus	**719**	**1372**	1329	1917	5337	.
Winterhawk	651	926	1285	2407	5269	**5340**
Marshall	651	1078	1165	2200	5095	**5453**
Fria	477	1122	1209	2243	5051	**5114**
Passerel Plus	588	1176	1176	1982	4923	**5116**
M2CVS	632	926	991	2287	4835	**5318**
Average	679	1239	1350	2311	5579 [1]	5574
LSD at 10% Level	131	284	200	301	617	N.S.[2]
Std. Err. of Entry Mean	55	120	83	127	261	211

1. C.V. = 9.4%, and df for EMS = 57.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 19, 2012.
Seeding Rate: 50 lb/acre in 7" rows.
Soil Type: Tift sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.7.
Fertilization: Preplant: 48 lb N, 58 lb P_2O_5, and 68 lb K_2O/acre.
Topdress: 30 lb N/acre and 30 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, rototilled; 1000 lb/acre of Lime applied.
Previous Crop: Wheat.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Ryegrass Forage Performance, 2012-2013

	Dry Matter Yield					
	Harvest Date				Season Totals	
Brand-Variety	1-09-13	2-06-13	3-04-13	3-28-13	2013	2-Yr Avg
	lb/acre					
Marshall	1184	**2026**	**2498**	**2657**	**8364**	**9276**
Maximus	1177	**1989**	2142	**2541**	**7849**	.
TAMTBO	**1380**	**2091**	**2236**	2135	**7842**	8693
ME-94	1274	**2026**	2048	**2491**	**7838**	8480
Lonestar	1142	**2214**	2011	2403	7770	.
Chuckwagon	1118	**2156**	2040	2418	7732	.
Nelson	994	**2040**	**2273**	2410	7717	**8920**
Jackson	**1574**	1706	2120	2244	7644	8636
ME4	646	**2185**	2062	**2624**	7517	8398
M2CVS	661	**2164**	2127	**2556**	7507	8600
Passerel Plus	1103	**2106**	1772	2403	7383	8174
Diamond T	1147	**1942**	2055	2200	7343	8360
IS-LWT 13	988	1619	**2251**	2388	7245	.
Sumo	770	**2040**	1997	2396	7202	.
DH-3	748	**1999**	2142	2251	7139	8385
Surrey Nova	1126	1684	2171	2135	7115	.
Fria	1242	1604	**2280**	1975	7100	8289
Bulldog Grazer	748	**2098**	1801	2418	7064	7974
TetraStar	1016	**1924**	1764	2316	7020	.
Flying A	1132	1793	1960	2113	6999	8514
Winterhawk	639	**1938**	**2214**	2200	6992	7919
Average	1038	1969	2093	2346	7447 [1]	8473
LSD at 10% Level	288	317	288	235	550	503
Std. Err. of Entry Mean	122	134	122	100	233	213

1. C.V. = 6.2%, and df for EMS = 60.

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

Planted: October 18, 2012.
Seeding Rate: 50 lb/acre in 7" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre.
Topdress: 50 lb N/acre and 80 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Disked, chisel plowed, and rototilled.
Previous Crop: Corn.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Ryegrass Forage Performance, 2012-2013

	Dry Matter Yield				
	Harvest Date				Season Total
Brand-Variety	1-25-13	3-08-13	5-09-13	6-05-13	2013
	lb/acre				
Marshall	**2400**	**2646**	**12399**	1749	**19193**
Lonestar	**2291**	**2707**	**12262**	1050	**18310**
ME4	**2353**	**2618**	**11367**	1409	**17746**
Nelson	**2601**	**2491**	10592	**2014**	**17697**
M2CVS	**2419**	**2648**	10882	1557	17506
Jackson	**2513**	2292	**11083**	1584	17471
TAMTBO	**2839**	2216	10068	**2214**	17337
Winterhawk	**1688**	**2445**	**11208**	1592	16933
Chuckwagon	**2681**	2262	10085	1883	16911
Fria	**2272**	2290	10577	1577	16716
Maximus	**2597**	2267	10180	1464	16507
ME-94	**2645**	**2539**	9678	1452	16314
DH-3	**2527**	2171	10768	835	16300
Flying A	**2358**	2018	9997	812	15185
TetraStar	**3001**	2061	8667	1287	15016
Passerel Plus	**2617**	2183	9363	712	14874
Diamond T	**2471**	**2328**	8061	**1927**	14787
Bulldog Grazer	**2607**	1738	8667	1111	14122
Average	2493	2329	10328	1457	16607 [1]
LSD at 10% Level	N.S.[2]	407	1375	312	1505
Std. Err. of Entry Mean	238	172	580	132	636

1. C.V. = 7.6% and df for EMS = 51.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 10, 2012.
Seeding Rate: 50 lb/acre in 7" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Medium, K = Very High, and pH = 5.9.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st, 2nd, and 3rd harvests.
Management: Moldboard plowed, disked and rototilled; Haromony Extra used for weed control.
Previous Crop: Fallow.

Test conducted by J. Gassett and G. Ware.

Calhoun, Georgia:
Ryegrass Forage Performance, 2012-2013

	Dry Matter Yield				
	Harvest Date			Season Totals	
Brand-Variety	2-19-13	4-19-13	5-30-13	2013	2-Yr Avg
	---------- lb/acre ----------				
Winterhawk	**5256**	5542	**8001**	**18799**	**15706**
ME4	**4693**	**6809**	**7280**	**18782**	**16515**
Marshall	4052	**6774**	**7803**	**18628**	**15881**
Nelson	**4540**	**6154**	**7711**	**18405**	**15667**
Fria	4342	5666	**8071**	**18078**	**15796**
ME-94	**5021**	5712	6944	**17677**	**15882**
Jackson	**4939**	5696	6901	**17536**	**15205**
IS-LWT 13	**4522**	5806	**7168**	**17495**	.
FL Red 4x LATE	4064	5880	**7484**	**17428**	**15382**
Diamond T	3956	5756	**7499**	**17211**	**16107**
Lonestar	4405	5085	**7575**	17064	.
Maximus	4281	5707	7057	17045	.
FL PE 2x LATE	3704	5909	**7407**	17020	**15448**
TAMTBO	4345	5540	6956	16841	**15533**
DH-3	3867	5936	6891	16694	**14880**
M2CVS	3486	5872	6922	16280	**15329**
Sumo	3615	5771	6886	16272	.
Chuckwagon	3985	6007	6242	16233	.
Flying A	4165	5044	6778	15986	**14890**
TetraStar	4030	5430	6435	15895	.
Passerel Plus	**4515**	4666	6443	15624	.
FL ME	4151	5372	5887	15410	.
FL SER	4124	5117	5160	14401	.
Bulldog Grazer	4026	5119	5100	14245	**13257**
Average	4253	5682	6942	16877 [1]	15432
LSD at 10% Level	819	789	938	1600	N.S.[2]
Std. Err. of Entry Mean	347	334	398	678	509

1. C.V. = 8.0%, and df for EMS = 69.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 11, 2012.
Seeding Rate: 50 lb/acre in 7" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: P = High, K = High, and pH = 6.0.
Fertilization: Preplant: 70 lb 0N, lb P_2O_5, and 0 lb K_2O/acre.
Topdress: 50 lb N/acre after 1st and 2nd harvests.
Management: Chisel plowed, disked and rototilled.
Previous Crop: Fallow.

Test conducted by J. Gassett, G. Ware and J. Stubbs.

Marianna, Florida:
Ryegrass Forage Performance, 2012-2013

	Dry Matter Yield						
	Harvest Date					Season Totals	
Brand-Variety	1-15-13	2-19-13	3-28-13	4-24-13	5-21-13	2013	2-Yr Avg
	lb/acre						
Nelson	900	1373	**3361**	3051	**828**	**9512**	**11221**
FLONA 4X	725	**1629**	**3717**	2619	780	**9468**	.
FL Red 4x LATE	675	**1414**	**3693**	2775	692	**9249**	**11293**
Florida 4N	913	1201	3290	3049	770	**9221**	.
Chuckwagon	743	1184	**3357**	2922	**1015**	**9220**	.
Jumbo	791	1204	3091	2967	**1008**	**9060**	.
TAMTBO	836	1145	3271	2963	**835**	**9051**	**11638**
TetraStar	856	1128	3242	2949	698	**8872**	.
Diamond T	867	1305	2847	**3232**	605	**8855**	**11929**
Marshall	639	962	2944	**3611**	659	**8814**	**10974**
FLMAR 4X	669	1356	**3430**	2609	738	**8802**	.
Lonestar	966	1139	**3405**	2516	746	**8773**	.
Jackson	1102	**1411**	2842	2672	707	**8734**	**10804**
FL SER	**1542**	**1567**	**3433**	1871	316	**8729**	.
Surrey Nova	1167	1149	3306	2603	455	**8679**	.
ME4	716	1176	2889	**3202**	676	**8659**	**11454**
ME-94	604	1176	3151	2713	597	8240	**11163**
Passerel Plus	837	1099	2923	2692	635	8185	.
DH-3	860	1147	3036	2680	389	8112	**10589**
Fria	595	1049	3021	2697	669	8030	**10772**
FL PE 2x LATE	490	1083	**3410**	2398	610	7991	**10934**
Winterhawk	343	937	3013	2867	633	7793	**10203**
M2CVS	612	727	2840	3069	536	7784	**11081**
Bulldog Grazer	529	**1525**	3153	2111	284	7602	**9936**
FL ME	714	**1476**	3179	1852	354	7574	.
Flying A	566	876	2557	2343	640	6982	**10388**
Average	779	1209	3169	2732	649	8538 [1]	10958
LSD at 10% Level	302	227	397	450	227	1121	N.S.[2]
Std. Err. of Entry Mean	128	96	168	191	96	476	446

1. C.V. = 9.7%, and df for EMS = 75.
2. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore a 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 3, 2012.
Seeding Rate: 50 lb/acre in 7" rows.
Soil Type: Chipola loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: Preplant: 30 lb N, 0 lb P_2O_5, and 60 lb K_2O/acre.
Topdress: 5- lb N/acre after 1st, 2nd, 3rd, and 4th harvests.
Management: Moldboard plowed and rototilled; Buctril and Harmony Extra used for weed control.
Previous Crop: Corn.

Test conducted by J. Jones.

Statewide Summary:
Ryegrass Forage Performance, 2012-2013
with Two- and Three-Year Averages

	Dry Forage Yield														
	Tifton			Plains			Griffin			Calhoun			Statewide		
Brand-Variety	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg	2013	2-Yr Avg	3-Yr Avg
	---------- lb/acre ----------														
Bulldog Grazer	**6103**	**6226**	**7327**	7064	7974	7788	14122	14835	13805	14245	**13257**	**12599**	10384	**10573**	10380
Chuckwagon	**6000**	.	.	7732	.	.	16911	.	.	16233	.	.	11719	.	.
DH-3	**5968**	**5668**	6846	7139	8385	8171	16300	14837	13866	16694	**14880**	**13345**	11525	**10942**	10557
Diamond T	**5685**	**5569**	6755	7343	8360	8310	14787	14828	14639	**17211**	**16107**	**14871**	11256	**11216**	**11144**
FL ME	.	.	.	.	.	.	.	.	.	15410	.	.	.	.	.
FL PE 2x LATE	.	.	.	.	.	.	.	.	.	17020	**15448**	**13898**	.	.	.
FL Red 4x LATE	.	.	.	.	.	.	.	.	.	**17428**	**15382**	**13789**	.	.	.
FL SER	.	.	.	.	.	.	.	.	.	14401	.	.	.	.	.
FLMAR 4X	**6235**	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FLONA 4X	**6071**	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flying A	5617	**5397**	6466	6999	8514	8152	15185	14594	13849	15986	**14890**	**13346**	10947	**10849**	10453
Fria	5051	**5114**	6582	7100	8289	7919	16716	15300	.	**18078**	**15796**	**14341**	11736	**11125**	.
IS-LWT 13	.	.	.	7245	.	.	.	.	.	**17495**	.	.	.	.	.
Jackson	**5643**	**5629**	6856	7644	8636	8204	17471	15307	14038	**17536**	**15205**	**13622**	**12073**	**11194**	10680
Lonestar	5588	.	.	7770	.	.	**18310**	**17311**	.	17064	.	.	**12183**	.	.
M2CVS	4835	**5318**	.	7507	8600	.	17506	.	.	16280	**15329**	.	11532	.	.
ME-94	**5641**	**5583**	.	**7838**	8480	.	16314	.	.	**17677**	**15882**	.	**11867**	.	.
ME4	**5717**	**6258**	**7392**	7517	8398	8394	**17746**	**16585**	**15135**	**18782**	**16515**	**14723**	**12440**	**11939**	**11411**
Marshall	5095	**5453**	6739	**8364**	**9276**	**9001**	**19193**	**16899**	**15485**	**18628**	**15881**	**14384**	**12820**	**11877**	**11402**
Maximus	5337	.	.	**7849**	.	.	16507	15016	13562	17045	.	.	11684	.	.
Nelson	5432	**5699**	**7360**	7717	**8920**	**8640**	**17697**	15998	**15247**	**18405**	**15667**	**14603**	**12313**	**11571**	**11463**
Passerel Plus	4923	**5116**	6656	7383	8174	8154	14874	14774	13790	15624	.	.	10701	.	.
Sumo	.	.	.	7202	.	.	.	.	.	16272	.	.	.	.	.
Surrey Nova	.	.	.	7115	.	.	.	.	.	.	.	.	.	.	.
TAMTBO	**5652**	**5660**	6902	**7842**	8693	8467	17337	**16902**	**15113**	16841	**15533**	**14463**	**11918**	**11697**	**11236**
TetraStar	**5728**	.	.	7020	.	.	15016	14594	.	15895	.	.	10915	.	.
Winterhawk	5269	**5340**	6330	6992	7919	7835	16933	15795	14511	**18799**	**15706**	**14003**	**11998**	**11190**	10670
Average	5579	5574	6851	7447	8473	8253	16607	15572	14420	16877	15432	13999	11667	11288	10940
LSD at 10% Level	617	N.S.[1]	447	550	503	376	1505	1080	837	1600	N.S.	N.S.	979	N.S.	348
Std. Err. of Entry Mean	261	211	191	233	213	160	636	459	357	678	509	390	248	184	149

1. The F-test indicated no statistical difference at the alpha = 0.1 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 2012-2013 Small Grains Performance Tests

Crop	Variety – Seed Source

Wheat

- **AgriMAXX** - AgriMAXX Wheat Company, 7167 Highbanks Road, Mascoutah, IL 62258.
- **AGS** - AGSouth Genetics, LLC, P.O. Box 72246, Albany, GA 31708.
- **Arcadia, B06-0686, B08-0313 and Coker 9700** - Syngenta Seeds, Inc., 8337 Highway 903 North, Ayden, NC 28513
- **Dyna-Gro and Oglethorpe** - Dyna-Gro Seed, 6221 Riverside Drive, Suite One, Dublin, OH, 43017.
- **GA** - 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
- **Jamestown and VA** - VPI & SL/VCIA/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.
- **LA02015E201 and LA03200E-2** - Louisiana State University, SPESS, 221 M.B. Sturgis Hall, Baton Rouge, LA 70803-2110.
- **LA754, LA841 and TV** - Terral Seed Inc., P.O. Box 826, Lake Providence, LA. 71254.
- **NC** - North Carolina State University, 840 Method Road, Unit 3, Raleigh, NC 27695-7629.
- **Pioneer** – Dupont Pioneer, Eastern Business Unit, 59 Greif Parkway, Suite 200, Delaware, OH 43015.
- **P and PGX** - Progeny Ag Products, 1529 Highway 193 South, Wynne, AR 72396.
- **SS** - Southern States Coop, P.O. Box 26234, Richmond, VA 23260.
- **USG** - UniSouth Genetics, Inc., 3205-C Highway 46 South, Dickson, TN 37055.

Triticale

- **FL** - University of Florida, 155 Research Rd., Quincy, FL 32351.
- **Monarch and Trical 342** - Syngenta Seeds, Inc., 8416 Highway 903 North, Ayden, NC 28513.
- **NC** - North Carolina State University, 840 Method Road, Unit 3, Raleigh, NC 27695-7629.

Rye

- **AG104, Florida 401, and FL** - University of Florida, 155 Research Road, Quincy, FL 32351.
- **Bates RS4, Maton II, and NF** - The Samuel Roberts Noble Foundation, 2510 Sam Noble Parkway, Ardmore, OK 73401.
- **Elbon, Maton, and Oklon** - Oklahoma Foundation Seed, 2902 West Sixth Avenue, Stillwater, OK 74074.
- **Wrens Abruzzi** - Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.

Sources of Seed
for the 2012-2013 Small Grains Performance Tests (Continued)

Crop	Variety – Seed Source

Oat

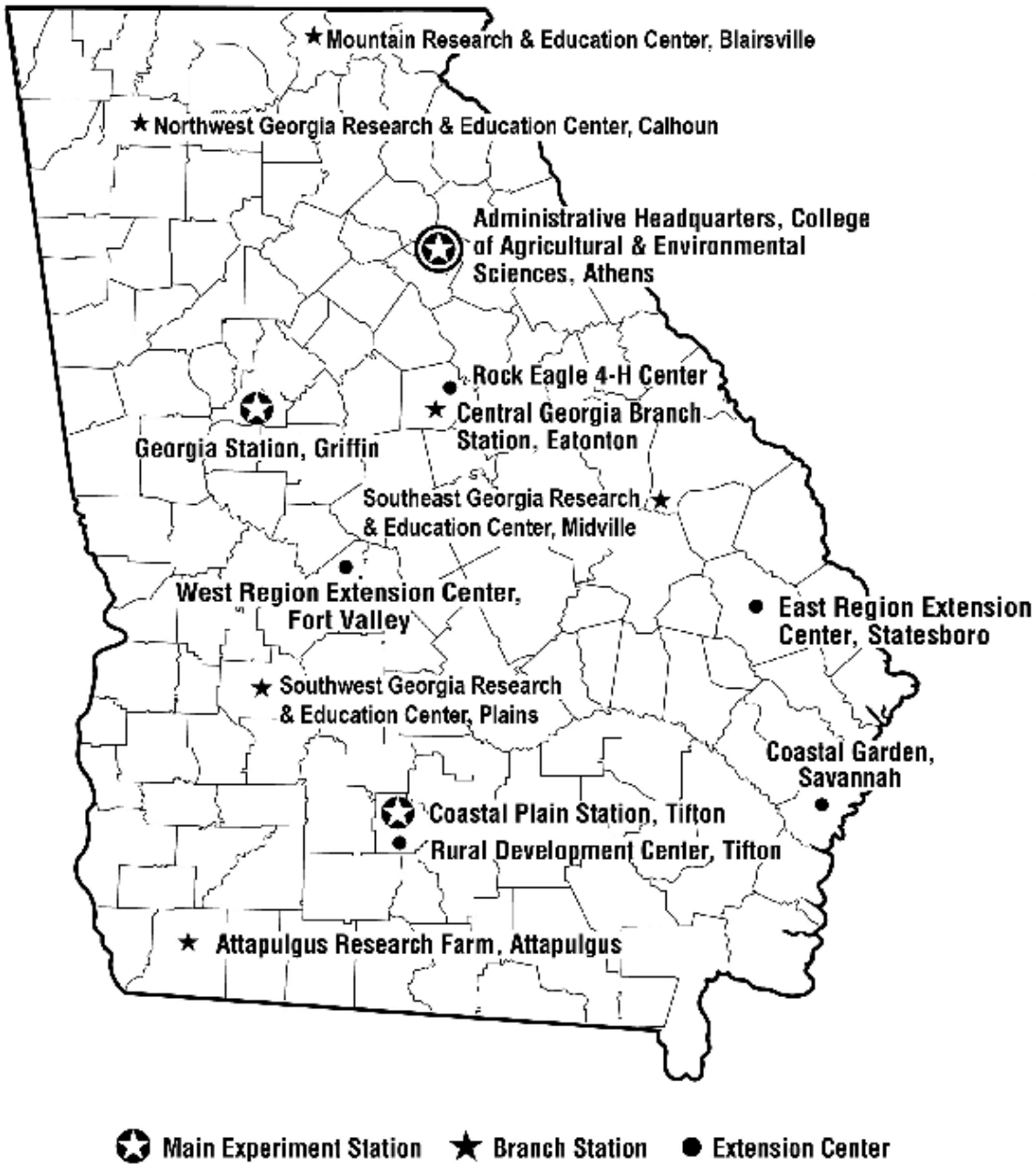
- **FL** - University of Florida, 155 Research Road, Quincy, FL 32351.
- **Gerard 224 and Gerard 229** - Gerard Seed Company, 1041 E. 4th Street, Washington, NC 27889.
- **Horizon** – Plantation Seed Conditioners, P.O. Box 398, Newton, GA 39870.
- **LA** - LSU State University, SPESS, 221 M.B. Sturgis Hall, Baton Rouge, LA 70803-2110.
- **NC** - North Carolina State University, 840 Method Road, Unit 3, Box 7629, Raleigh, NC 27695.
- **NF** - The Samuel Roberts Noble Foundation, 2510 Sam Noble Parkway, Ardmore, OK 73401.
- **Plot Spike LA9339 and RAM LA99016** - Ragan and Massey, Inc., 100 Ponchatoula Parkway, Ponchatoula, LA 70454
- **Shooter** - Oregro Seeds, Inc., 33080 Red Bridge Road, Albany, OR 97377.
- **SS 76-50** - Southern States Coop, P.O. Box 26234, Richmond, VA 23260.
- **TAMO 411 and TX** - Texas A&M University, 2747 TAMUS, College Station, TX 77843-2474.

Barley

- **Atlantic, Dan, Price, Thoroughbred and VA** - Virginia Tech/EVAREC, 2229 Menokin Road, Warsaw, VA 22572.

Ryegrass

- **Bulldog Grazer** - Athens Seed Company, P.O. Box 387, Watkinsville, GA 30677.
- **Chuckwagon** - Lewis Seed Co., P.O. Box 100, 31810 Fayetteville Drive, Shedd, OR. 97377.
- **Diamond T, Flying A, TAMTBO, and Winterhawk** - Oregro Seeds, Inc., 33080 Red Bridge Road, Albany, OR 97377.
- **FL** - University of Florida, 304 Newell Hall, P.O. Box 110500, Gainesville, FL 32611-0500.
- **FLMAR 4X and FLONA 4X -** University of Florida, NFREC, 155 Research Road, Quincy, FL 32351.
- **Florida 4N, IS-LWT 13, Sumo and Surrey Nova** - DLF International Seeds, P.O. 229, Halsey, OR 97348
- **DH-3 and Fria** - Allied Seed LLC, 1108 Hilldale Drive, Macon, MO 63552.
- **Jackson, Marshall, ME4, ME94, M2CVS and Nelson** - The Wax Company, Inc., P.O. Box 60, Amory, MS 38821.
- **Jumbo and Maximus** - Barenbrug USA, PO Box 239, Tangent, OR 97389.
- **Lonestar and Tetrastar** - Grassland Oregon, Inc., 4455 60th Avenue NE, Salem, OR 97305.
- **Passerel Plus** - Pennington Seed, P.O. Box 290, Madison, GA 30650.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