

Performance of Wheat & Oat Varieties in Alabama, 2015-2016



Cullman County 1925

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Performance of Wheat Varieties in Alabama, 2016

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“The mission of the Alabama Variety Testing Program is to provide research-based, unbiased results on the performance of various crop hybrids, cultivars, and varieties to the agricultural community in our state. We are intent on conducting these trials in a manner that will result in maximum biological yield through methods common to the top-producing farms in Alabama. We are committed to providing this information in a rapid, timely manner for its use during the decision-making process. The success of the program rests upon our ability to help Alabama producers provide a safe, dependable source of food and fiber for all families as well as economic sustainability for theirs.”

Methods

Planting dates for all trials in 2015-16 are shown in Table 1. Variety treatments were arranged in a randomized complete block experimental design with 3 replications. Fungicide treated seeds were drill planted to attain a population equivalent to local production practices. All tests were fertilized according to soil test recommendations, plus 20 lbs/acre N at planting. A top dressing of 60 lbs/acre N was made in late February or early March, just prior to “jointing”.

Region	Ala. Exp. Station location and soil texture	2015-2016	
		Date planted	Date harvested
North	Sand Mountain Research & Ext. Center Wynntown fine sandy loam	December 10	June 30
	Tennessee Valley Research & Ext. Center Decatur silt loam	November 12	June 14
Central	Black Belt Research & Ext. Center Vaiden clay	Not planted	
	Plant Breeding Unit, E.V. Smith Res. Ctr. Cahaba fine sandy loam	September 25	June 1
	Prattville Agricultural Research Unit Lucedale fine sandy loam	November 13	May 26
Southern	Brewton Agricultural Research Unit Benndale fine sandy loam	November 6	May 27
	Gulf Coast Research & Ext. Center Malbis fine sandy loam	November 24	June 1
	Wiregrass Research & Ext. Center Dothan fine sandy loam	November 17	May 26

In 2015-2016, wheat trials were managed with foliar fungicides to prevent disease outbreaks. At maturity, grain was harvested using a small plot combine, cleaned, and weighed. Moisture and bushel test weight were also recorded unless otherwise noted.

Tables

**Abbreviations: REC, Research & Extension Center; ARU, Agricultural Research Unit*

2016 Wheat Variety Performance - Yield & Averages

Northern Region

Table 2. Performance of wheat varieties in North Alabama, Tennessee Valley REC, Belle Mina

Table 3. Performance of wheat varieties in Northeast Alabama, Sand Mountain REC, Crossville

Central Region

Table 4. Performance of wheat varieties in Central Alabama, Black Belt REC, Marion Junction

Table 5. Performance of wheat varieties in Central Alabama, Prattville ARU, Prattville

Table 6. Performance of wheat varieties in Central Alabama, Plant Breeding Unit, Tallassee

Southern Region

Table 7. Performance of wheat varieties in Southeast Alabama, Wiregrass REC, Headland

Table 8. Performance of wheat varieties in South Alabama, Brewton ARU, Brewton

Table 9. Performance of wheat varieties in Southwest Alabama, Gulf Coast REC, Fairhope

Note: Due to inclement weather and heavy lodging, the harvest at this location was lower than in previous years.

Oat Variety Performance - Yield

Northern Region

Table 10. Performance of oat varieties in North Alabama, Tennessee Valley REC, Belle Mina

Table 11. Performance of oat varieties in North Alabama, Sand Mountain REC, Crossville

Central Region

Table 12. Performance of oat varieties in Central Alabama, Black belt REC, Marion Junction

Table 13. Performance of oat varieties in Central Alabama, Prattville ARU, Prattville

Table 14. Performance of oat varieties in Central Alabama, Plant Breeding Unit, Tallassee

Southern Region

Table 15. Performance of oat varieties in South Alabama, Wiregrass REC, Headland

Table 16. Performance of oat varieties in South Alabama, Brewton ARU, Brewton

Table 17. Performance of oat varieties in South Alabama, Gulf Coast REC, Fairhope

Table 2. Performance of wheat varieties at Tennessee Valley Research & Extension Center - Belle Mina, AL

Planting Date: November 12, 2016		Harvest Date: June 14, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
AGS 2035	59.1	1	84
Dyna Gro Savoy	59.1	2	82
Dyna Gro 9522	56.6	3	82
AGS 2038	59.2	4	81
Progeny 870	55.7	5	80
AGS 2024	58.6	6	79
Progeny PGX 15-10	56.5	7	79
GA 061349-13LE31	58.6	8	79
USG 3197	56.0	9	79
GA 061349-13LE29	57.5	10	79
GA-03564-12E6	60.0	11	78
Progeny 357	54.9	12	78
Hilliard	57.8	13	77
Dyna Gro WX16771	57.9	14	77
AR01040-4-1	57.0	15	76
Progeny 243	56.8	16	75
USG 3201	58.5	17	75
GA 051102-13LE43	58.5	18	74
Syngenta SY Viper	58.3	19	74
Oakes	58.3	20	73
ARGA04510-11LE24	57.2	21	73
USG 3013	57.0	22	73
Dyna Gro 9642	56.3	23	72
USG 3404	56.7	24	72
VA 10W-96	59.0	25	72
Progeny PGX 15-16	59.0	26	72
Syngenta SY Harrison	56.3	27	72
Progeny PGX 15-14	55.9	28	72
Progeny PGX 15-12	57.0	29	70
USG 3523	56.3	30	70
Limagrain L11541	58.2	31	70
GA-04434-12LE28	58.9	32	70
Limagrain L11419	57.2	33	69
LA 03200E-2	59.4	34	69
Jamestown	59.1	35	69
AGS 2040	58.5	36	69
LA 06146-P4	59.7	37	68
Trial Mean			75
LSD (0.10)			5
CV (%)			7
Pr>F			0.0108

Wheat variety performance over multiple years at Tennessee Valley REC

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
AGS 2035	84	83	77
Oakes	73	76	69
Jamestown	69	70	68

* Sorted by 3-year average

Table 3. Performance of wheat varieties at Sand Mountain Research & Extension Center - Crossville, AL

Planting Date: September 25, 2016		Harvest Date: June 30, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
GA-03564-12E6	57.1	1	139
GA 051102-13LE43	56.0	2	129
AGS 2024	55.6	3	129
LA 03200E-2	56.3	4	126
Limagrain L11541	54.6	5	125
GA 061349-13LE31	55.9	6	122
AGS 2038	54.7	7	120
AGS 2035	56.5	8	118
VA 10W-96	57.2	9	117
AR01040-4-1	53.1	10	117
Dyna Gro Savoy	56.8	11	115
Progeny PGX 15-14	53.0	12	111
LA 06146-P4	57.9	13	111
GA-04434-12LE28	57.5	14	110
Syngenta SY Viper	55.1	15	108
GA 061349-13LE29	55.0	16	108
AGS 2040	55.2	17	107
Jamestown	56.7	18	107
Hilliard	54.0	19	105
Progeny PGX 15-12	53.7	20	102
Oakes	56.0	21	101
Syngenta SY Harrison	51.9	22	100
USG 3197	52.3	23	100
Progeny PGX 15-16	54.9	24	100
USG 3523	52.2	25	98
Limagrain L11419	53.1	26	97
USG 3201	55.5	27	95
Progeny 870	52.0	28	94
Dyna Gro 9522	52.7	29	93
USG 3404	52.7	30	92
ARGA04510-11LE24	53.7	31	92
USG 3013	50.0	32	84
Progeny 357	50.1	33	84
Progeny PGX 15-10	50.9	34	82
Progeny 243	53.5	35	79
Dyna Gro 9642	49.5	36	72
Dyna Gro WX16771	50.8	37	70
Trial Mean			104
LSD (0.10)			9
CV (%)			10
Pr>F			0.0001

Wheat variety performance over multiple years at Sand Mountain REC

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
AGS 2035	118	113	101
Progeny 357	84	103	99
Jamestown	107	100	95
Progeny 870	94	92	94

* Sorted by 3-year average.

Table 4. Black Belt REC - Marion Junction, AL - Not Planted

Table 5. Performance of wheat varieties at Prattville Agricultural Research Unit - Prattville, AL

Planting Date: November 13, 2015		Harvest Date: May 26, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Dyna Gro Savoy	58.2	1	62
AGS 2035	58.6	2	62
AGS 2024	58.5	3	60
GA-03564-12E6	59.4	4	57
AGS 2040	59.1	5	55
AGS 2038	57.9	6	54
GA-04434-12LE28	57.0	7	54
LA 06146-P4	59.6	8	52
Progeny PGX 15-12	55.6	9	51
LA 03200E-2	60.2	10	50
GA 061349-13LE29	56.8	11	50
GA 061349-13LE31	57.7	12	50
AR01040-4-1	55.6	13	49
Jamestown	58.2	14	49
USG 3197	55.1	15	48
Progeny PGX 15-10	55.5	16	48
GA 051102-13LE43	58.5	17	45
Progeny PGX 15-14	53.3	18	44
VA 10W-96	58.1	19	44
Hilliard	55.7	20	42
ARGA04510-11LE24	56.0	21	42
Progeny PGX 15-16	58.1	22	36
USG 3404	52.6	23	35
USG 3201	56.1	24	33
Progeny 243	56.0	25	33
USG 3523	52.1	26	24
Progeny 870	52.5	27	24
USG 3013	50.8	28	21
Progeny 357	49.4	29	17
Trial Mean			45
LSD (0.10)			6
CV (%)			17
Pr>F			0.0001

Wheat variety performance over multiple years at Prattville Agricultural Research Unit

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
Jamestown	49	61	60
AGS 2035	62	58	57
Progeny 870	24	49	55
Progeny 357	17	42	46

* Sorted by 3-year average

Table 6. Performance of wheat varieties at Plant Breeding Unit, EV Smith - Tallassee, AL

Planting Date:	Harvest Date: June 1, 2016		
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
AR01040-4-1	54.7	1	65
AGS 2038	56.2	2	56
GA-04434-12LE28	56.4	3	55
USG 3197	53.4	4	54
AGS 2024	54.9	5	53
Dyna Gro Savoy	55.3	6	51
Progeny PGX 15-12	55.7	7	50
AGS 2040	55.7	8	50
AGS 2035	56.0	9	49
USG 3523	53.4	10	46
GA 051102-13LE43	55.3	11	46
GA-03564-12E6	56.9	12	46
Jamestown	58.9	13	45
Progeny PGX 15-14	51.7	14	45
ARGA04510-11LE24	52.9	15	44
VA 10W-96	57.3	16	44
Progeny PGX 15-16	56.1	17	42
Hilliard	55.1	18	42
GA 061349-13LE29	53.7	19	42
LA 06146-P4	58.1	20	40
LA 03200E-2	59.6	21	39
Progeny PGX 15-10	52.7	22	38
Progeny 243	55.2	23	38
GA 061349-13LE31	56.6	24	37
USG 3201	55.6	25	35
USG 3404	51.6	26	29
Progeny 870	50.6	27	29
Progeny 357	49.9	28	28
USG 3013	49.2	29	23
Trial Mean			43
LSD (0.10)			7
CV (%)			21
Pr>F			0.0001

Wheat variety performance over multiple years at EV Smith Plant Breeding Unit

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
Jamestown	45	46	49
AGS 2035	49	52	48
AGS 2038	56	48	47
Progeny 870	29	40	44
Progeny 357	28	31	37

* Sorted by 3-year average

Table 7. Performance of wheat varieties at Wiregrass Research & Extension Center - Headland, AL

Planting Date: November 17, 2016		Harvest Date: May 26, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
AGS 2035	56.9	1	89
AGS 2038	57.4	2	85
AGS 2040	56.6	3	80
AGS 2024	56.5	4	79
Jamestown	58.3	5	78
GA 061349-13LE31	57.1	6	72
GA-03564-12E6	58.0	7	72
Dyna Gro Savoy	56.1	8	72
Progeny PGX 15-12	54.9	9	71
GA 051102-13LE43	57.4	10	70
GA-04434-12LE28	55.9	11	69
LA 03200E-2	58.0	12	69
LA 06146-P4	57.9	13	69
VA 10W-96	56.8	14	69
Progeny PGX 15-14	55.1	15	66
Hilliard	55.2	16	65
GA 061349-13LE29	55.5	17	63
Progeny PGX 15-10	56.4	18	55
Progeny PGX 15-16	58.8	19	53
Progeny 243	55.4	20	50
Progeny 357	54.5	21	48
Progeny 870	54.9	22	45
Trial Mean			67
LSD (0.10)			7
CV (%)			13
Pr>F			0.0001

Wheat variety performance over multiple years at Wiregrass REC

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
AGS 2035	89	80	95
AGS 2038	85	78	93
Jamestown	78	71	83
Progeny 870	45	48	58
Progeny 357	48	46	51

* Sorted by 3-year average

Table 8. Performance of wheat varieties at Brewton Agricultural Research & Extension Center - Brewton, AL

Planting Date: November 6, 2015		Harvest Date: May 27, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
AGS 2038	52.3	1	55
LA 06146-P4	52.3	2	50
GA 061349-13LE31	52.2	3	49
LA 03200E-2	51.9	4	49
AGS 2035	51.9	5	48
GA-04434-12LE28	52.2	6	47
AGS 2024	52.6	7	46
VA 10W-96	52.4	8	45
AGS 2040	51.3	9	45
GA 051102-13LE43	51.9	10	44
Jamestown	52.1	11	44
GA-03564-12E6	52.4	12	43
GA 061349-13LE29	52.2	13	40
Hilliard	51.3	14	40
Progeny PGX 15-10	51.9	15	39
Dyna Gro Savoy	51.5	16	39
Progeny PGX 15-12	52.1	17	34
Progeny PGX 15-16	52.2	18	33
Progeny 870	52.3	19	32
Progeny PGX 15-14	51.1	20	27
Progeny 357	50.2	21	22
Progeny 243	52.3	22	13
Trial Mean			40
LSD (0.10)			8
CV (%)			26
Pr>F			0.0023

Wheat variety performance over multiple years at Brewton Agricultural Research Unit

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
AGS 2038	55	56	55
AGS 2035	48	53	52
Jamestown	44	48	49
Progeny 870	32	35	37
Progeny 357	22	20	29

* Sorted by 3-year average

Table 9. Performance of wheat varieties at Gulf Coast Research & Extension Center - Fairhope, AL

Planting Date: November 24, 2015		Harvest Date: June 1, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 03200E-2	58.1	1	80
Progeny PGX 15-12	58.8	2	76
GA-03564-12E6	57.1	3	76
AGS 2035	58.6	4	70
Jamestown	58.1	5	69
AGS 2038	58.4	6	68
Hilliard	58.2	7	66
Progeny PGX 15-14	57.4	8	66
Progeny PGX 15-10	58.3	9	65
AGS 2040	48.6	10	63
VA 10W-96	58.3	11	62
AGS 2024	58.6	12	62
LA 06146-P4	58.4	13	58
Progeny PGX 15-16	57.8	14	57
Dyna Gro Savoy	57.8	15	57
GA-04434-12LE28	58.3	16	57
Progeny 243	57.5	17	55
GA 051102-13LE43	58.3	18	54
Progeny 870	58.1	19	51
GA 061349-13LE31	56.3	20	49
GA 061349-13LE29	58.6	21	45
Progeny 357	57.0	22	36
Trial Mean			61
LSD (0.10)			5
CV (%)			9
Pr>F			0.0001

Wheat variety performance over multiple years at Gulf Coast REC

Variety	Average Yield (bu/acre)		
	2016	2015-2016	2014-2016
	1-year	2-year	3-year
AGS 2035	70	62	72
Jamestown	69	55	68
Progeny 870	51	42	58
Progeny 357	36	20	37

* Sorted by 3-year average.

2016 Alabama Oat Variety Trial Results

Table 10. Performance of oat varieties at Tennessee Valley Research & Extension Center - Belle Mina, AL

Planting Date: November 12, 2015		Harvest Date: June 14, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Horizon 270	32.7	1	93
LA 08084SBSBS-15	33.0	2	91
Horizon 306	35.7	3	86
LA 06059SBSBSB-4-S1	32.5	4	71
Trial Mean			85
LSD (0.10)			11
CV (%)			16
Pr>F			0.2993

Table 11. Performance of oat varieties at Sand Mountain Research & Extension Center - Crossville, AL

Planting Date: December 10, 2015		Harvest Date: June 30, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 06059SBSBSB-4-S1	36.7	1	171
Horizon 270	35.7	2	169
Horizon 306	36.4	3	165
LA 08084SBSBS-15	36.4	4	161
Trial Mean			166
LSD (0.10)			11
CV (%)			8
Pr>F			0.8104

Table 12. Black Belt REC - Marion Junction, AL - Not Planted

Table 13. Performance of oat varieties at Prattville Agricultural Research Unit - Prattville, AL

Planting Date: November 13, 2015		Harvest Date: May 26, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 06059SBSBSB-4-S1	34.8		124
LA 08084SBSBS-15	33.0		123
Horizon 306	35.2		114
Horizon 270	30.5		106
Trial Mean			117
LSD (0.10)			6
CV (%)			6
Pr>F			0.0679

Table 14. Performance of oat varieties at Plant Breeding Unit - Tallassee, AL

Planting Date: September 25, 2015		Harvest Date: June 1, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Horizon 306	30.6	1	37
Horizon 270	25.9	2	24
LA 06059SBSBSB-4-S1	32.7	3	11
LA 08084SBSBS-15	30.2	4	7
Trial Mean			20
LSD (0.10)			5
CV (%)			32
Pr>F			0.0043

Table 15. Performance of oat varieties at Wiregrass Research & Extension Center - Headland, AL

Planting Date: November 17, 2015		Harvest Date: May 26, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 08084SBSBS-15	32.2	1	143
FL 720	34.4	2	137
LA 08085SS-T3	32.7	3	120
Horizon 270	31.4	4	113
LA 06059SBSBSB-4-S1	37.7	5	112
Horizon 306	34.8	6	105
LA 06063SBSB-S1	33.7	7	97
Trial Mean			118
LSD (0.10)			8
CV (%)			8
Pr>F			0.0006

Table 16. Performance of oat varieties at Brewton Agricultural Research Unit - Brewton, AL

Planting Date: November 6, 2015		Harvest Date: May 27, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 08084SBSBS-15		1	115
Horizon 306		2	111
LA 08085SS-T3		3	97
Horizon 270		4	96
LA 06063SBSB-S1		5	95
LA 06059SBSBSB-4-S1		6	90
FL 720		7	60
Trial Mean			95
LSD (0.10)			12
CV (%)			15
Pr>F			0.0115

Table 17. Performance of oat varieties at Gulf Coast Research & Extension Station - Fairhope, AL

Planting Date: November 24, 2015		Harvest Date: June 1, 2016	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
LA 08084SBSBS-15		1	67
LA 06063SBSB-S1		2	58
Horizon 270		3	46
LA 06059SBSBSB-4-S1		4	27
LA 08085SS-T3		5	26
FL 720		6	20
Horizon 306		7	19
Trial Mean			38
LSD (0.10)			6
CV (%)			20
Pr>F			0.0001

Data Explanation

Disease ratings for the 2015-2016 variety trials for wheat and oats are summarized by location in Tables 1 through 6. Diseases were rated by K.L. Bowen, Professor of Plant Pathology, with help from graduate students, Brett Brown and Nancy Sharma. Rust diseases are rated on a severity scale ranging from 0 to 100, indicating the proportion of the flag leaves that are affected across the plot. All other diseases are rated on a scale of 0 to 9, where 0 indicates no disease, 4-5 reflects about half of the plants are moderately affected, and 9 = severe disease affecting all plants in plot. Diseases were rated as close to soft dough as could be scheduled.

Discussion

Wheat variety trials at Gulf Coast REC, Prattville Ag Research Unit, Brewton Ag Research Unit and Tennessee Valley REC were rated in the spring of 2016. Fungicides were applied to wheat variety trials at most locations and did a good job at minimizing foliar diseases. Plots at Prattville were rated 26 Apr, when very little disease was found; then rated again on 9 May, when several varieties were too mature for disease assessment; only the latter notes are provided. Many of the varieties at Brewton, rated on 5 May, had matured and dried, such that disease ratings were not possible.

Powdery mildew and stripe rust were not found at any location. Leaf rust was noted only at Prattville and southern locations, and was found on a few varieties at high levels. Septoria glume blotch was much less a problem throughout the state than it had been in previous years. Due to frequent rains in April, Fusarium head blight (= scab) was moderately intense at Prattville and southern sites; scab intensity was very low in Belle Mina, as were other disease problems. While several of the Progeny varieties had consistently low scab intensities, these varieties also tended to head later in the season, when weather conditions were less conducive for scab.

Oat variety trials at Prattville and Gulf Coast were also rated. Low intensities of Helminthosporium leaf spot and crown rust were seen in plots.

Variety	Scab	Barley Yellow	
		Dwarf	
AGS 2024	1	4	
AGS 2035	1	1	
AGS 2038	1	1	
AGS 2040	1	1	
AR01040-4-1	0	1	
ARGA04510-11LE24	1	1	
Dyna Gro 9522	1	1	
Dyna Gro 9642	0	1	
Dyna Gro Savoy	3	3	
Dyna Gro WX16771	0	1	
GA 051102-13LE43	1	3	
GA 061349-13LE29	1	1	
GA 061349-13LE31	1	1	
GA-03564-12E6	1	1	
GA-04434-12LE28	1	1	
Hilliard	0	1	
Jamestown	1	1	
LA 03200E-2	1	4	
LA 06146-P4	1	1	
Limagrain L11419	1	0	
Limagrain L11541	0	1	
Oakes	1	1	
Progeny 243	0	1	
Progeny 357	0	1	
Progeny 870	0	1	
Progeny PGX 15-10	0	1	
Progeny PGX 15-12	0	1	
Progeny PGX 15-14	0	1	
Progeny PGX 15-16	0	1	
Syngenta SY Harrison	0	1	
Syngenta SY Viper	1	1	
USG 3013	0	1	
USG 3197	0	1	
USG 3201	1	1	
USG 3404	0	1	
USG 3523	0	1	
VA 10W-96	1	1	

Rust rated as % severity on flag and flag-1 leaves; disease ratings done on 11 May 2016

Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.

Prattville Wheat disease ratings

2016

Cultivar	Leaf Rust	Glume	
		Blotch	Scab
AGS 2024	.	.	.
AGS 2035	0	0	4
AGS 2038	0	1	4
AGS 2040	.	.	.
AR01040-4-1	3	4	1
ARGA04510-11LE24	1	1	3
Dyna Gro Savoy	.	.	.
GA 051102-13LE43	0	2	2
GA 061349-13LE29	0	3	3
GA 061349-13LE31	0	1	3
GA-03564-12E6	.	.	.
GA-04434-12LE28	0	2	2
Hilliard	7	3	1
Jamestown	.	.	.
LA 03200E-2	.	.	.
LA 06146-P4	.	.	.
Progeny 243	30	3	1
Progeny 357	.	3	2
Progeny 870	30	3	1
Progeny PGX 15-10	5	8	0
Progeny PGX 15-12	4	6	0
Progeny PGX 15-14	27	4	1
Progeny PGX 15-16	7	3	2
USG 3013	20	2	2
USG 3197	25	1	2
USG 3201	25	4	0
USG 3404	30	1	2
USG 3523	10	2	1
VA 10W-96	0	1	4

Rust rated as % severity on flag and flag-1 leaves; disease ratings done on 9 May 2016
 Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.

Brewton Wheat disease ratings

2016

Cultivar	Leaf Rust	Leaf Blotch	Glume Blotch	Scab
AGS 2024	.	.	.	.
AGS 2035	.	.	.	.
AGS 2038	.	.	.	.
AGS 2040	.	.	.	.
Dyna Gro Savoy	0	.	.	4
GA 051102-13LE43	0	2	3	2
GA 061349-13LE29	0	3	4	2
GA 061349-13LE31	1	3	2	1
GA-03564-12E6	0	4	4	2
GA-04434-12LE28	32	3	2	2
Hilliard	21	4	2	1
Jamestown	.	.	.	.
LA 03200E-2	.	.	.	.
LA 06146-P4	.	.	.	.
Progeny 243	40	1	2	0
Progeny 357	52	2	3	1
Progeny 870	23	2	2	1
Progeny PGX 15-10	7	2	4	1
Progeny PGX 15-12	23	5	6	2
Progeny PGX 15-14	46	2	5	1
Progeny PGX 15-16	29	1	3	1
VA 10W-96	0	5	3	4

Rust rated as % severity on flag and flag-1 leaves; disease ratings done on 5 May 2016

Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.

Gulf Coast Wheat disease ratings

2016

Variety	Leaf Blotch	Leaf Rust	Glume Blotch	Scab	Barley Yellow Dwarf	Soil-borne mosaic
AGS 2024	3	0	1	6	1	3
AGS 2035	2	0	0	5	0	3
AGS 2038	2	0	1	5	1	3
AGS 2040	1	0	0	6	2	2
DynaGro Savoy	2	0	0	6	2	3
GA-03564-12E6	2	0	1	5	1	2
GA-04434-12LE28	3	0	1	6	1	4
GA051102-13LE43	1	0	1	5	1	1
GA061349-13LE29	1	0	1	4	0	1
GA061349-13LE31	2	0	1	5	1	1
Hilliard	1	0	1	3	0	3
Jamestown	3	0	1	4	2	3
LA03200E-2	2	1	1	6	2	3
LA06146-P4	3	0	1	5	1	3
Progeny PGX 15-14	1	10	0	3	0	1
Progeny 243	1	12	1	1	1	3
Progeny 357	1	36	1	3	0	1
Progeny 870	0	0	1	2	1	1
Progeny PGX 15-10	1	0	2	1	0	1
Progeny PGX 15-12	1	0	0	3	1	1
Progeny PGX 15-16	1	0	1	1	1	1
VA 10W-96	1	0	1	4	1	2

Rust rated as % severity on flag and flag-1 leaves; disease ratings done on 5 May 2016
 Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.

Prattville Oat disease ratings

2016

Cultivar	Helminthosporium leaf spot	Crown Rust on Flag
Horizon 270	1	1
Horizon 306	1	1
LA 06059SBSBSB-4-S1	2	1
LA 08084SBSBS-15	1	0

Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.
 Disease ratings done on 26 April 2016

Cultivar	Helminthosporium leaf spot	Crown Rust on Flag	Crown Rust in Plot
Horizon 270	0	2	4
Horizon 306	0	2	7
FL 720	0	2	4
LA 06059SBSBSBSB-4-S1	1	1	3
LA 08084SBSBS-15	1	0	0
LA 08085SS-T3	1	1	3
LA 06063SBSB-S1	1	2	5

Other diseases rated on scale of 0 to 9, where 9 indicates that plant was dead from disease.
Disease ratings done on 27 April 2016

2015-2016 Grain Sources

Wheat

Cultivar:	Source:
AGS 2024, AGS 2035,	AGSouth Genetics
AGS 2038, AGS 2040	Albany, Georgia
DynaGro 9522, DynaGro 9642	Crop Production Services/DynaGro Seed
DynaGro Savoy, WX16771*	Bloomville, Ohio
Limagrain L11419	Limagrain Cereal Seeds
Limagrain L11541	Charlotte, North Carolina
LA03200E-2*	Louisiana State University
LA06146E-P4*	Baton Rouge, Louisiana
Progeny 243, (formerly PGX 14-3)	Progeny Ag Products
Progeny 357, Progeny 870, PGX 15-10*	Wynne, Arkansas
PGX 15-12*, PGX 15-14*, PGX 15-16*	
Oakes, SY Harrison,	Syngenta Seeds, Inc.
SY Viper	Berthoud, Colorado
USG 3013, USG 3197, USG 3201,	UniSouth Genetics
USG 3404, USG 3523	Dickson, Tennessee
AR01040-4-1*,	University of Arkansas
ARGA04510-11LE24*	Fayetteville, Arkansas
GA 03564-12E6*, GA 04434-12LE28*,	University of Georgia
GA 061349-13L29*, GA 051102-13LE43*	Griffin, Georgia
GA 061349-13L31*	
Jamestown, Hilliard	Virginia Crop Improvement Assn.
VA 10W-96*	Warsaw, Virginia
* Experimental line; not yet commercially available.	

Oats

Cultivar:	Source:
LA06059SBSBSBSB-4-S1*,	Louisiana State University
LA08084SBSBS-15*	Baton Rouge, Louisiana
Horizon 270,	Plantation Seed Conditioners, Inc.
Horizon 306	Newton, Georgia
FL 720,	University of Florida
LA08085SS-T3*, LA06063SBSB-S1*	Gainesville, Florida
* Experimental line; not yet commercially available.	

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