

Performance of Wheat & Oat Varieties in Alabama, 2014-2015



Cullman County 1925

Source: Ala. Coop. Ext. Service Photos; Auburn University Libraries

Dept. Series No. CSES2015:Wheat

Dr. John Beasley, Dept. Head

Crop, Soil and Environmental Sciences

Dr. Art Appel, Director Ala. Agric. Exp. Station

Auburn University, Auburn AL

August 2015



Performance of Wheat Varieties in Alabama, 2015

K. M. Glass¹, C. D. Monks, B. Ortiz, and J. Brasher

¹Agric. Program Assoc.; Prof. & Crops Agronomist; Assoc. Prof. & Wheat & Feed Grains Agronomist; Res. Ext. Assoc., resp. Dept. of Crop, Soil & Environmental Sciences¹, Auburn University, AL 36849

“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 2014-15 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	2014-2015	
		Date planted	Date harvested
North	Sand Mountain Research & Ext. Center Wynnvilve fine sandy loam	November 4	June 15
	Tennessee Valley Research & Ext. Center Decatur silt loam	November 4	June 15
Central	Black Belt Research & Ext. Center Vaiden clay	October 30	June 10
	Plant Breeding Unit, E.V. Smith Res. Ctr. Cahaba fine sandy loam	October 14	June 3
	Prattville Agricultural Research Unit Lucedale fine sandy loam	November 5	June 11
Southern	Brewton Agricultural Research Unit Benndale fine sandy loam	November 13	May 20
	Gulf Coast Research & Ext. Center Malbis fine sandy loam	November 14	June 5
	Wiregrass Research & Ext. Center Dothan fine sandy loam	November 13	June 5

In 2014-2015, 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*

2015 Wheat Variety Performance- Yield

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.

Wheat Variety Performance over Multiple Years (2013 to 2015)

Northern Region

Table 10. Wheat variety performance over multiple years in North Alabama, Tennessee Valley REC, Belle Mina

Table 11. Wheat variety performance over multiple years in Northeast Alabama, Sand Mountain REC, Crossville

Central Region

Table 12. Wheat variety performance over multiple years in Central Alabama, Black Belt REC, Marion Junction

Table 13. Wheat variety performance over multiple years in Central Alabama, Prattville ARU, Prattville

Table 14. Wheat variety performance over multiple years in Central Alabama, Plant Breeding Unit, Tallassee

Southern Region

Table 15. Wheat variety performance over multiple years in Southeast Alabama, Wiregrass REC, Headland

Table 16. Wheat variety performance over multiple years in South Alabama, Brewton ARU, Brewton

Table 17. Wheat variety performance over multiple years in Southwest Alabama, Gulf Coast REC, Fairhope

Oat Variety Performance - Yield

Northern Region

Table 18. Performance of oat varieties in North Alabama, Tennessee Valley REC, Belle Mina

Table 19. Performance of oat varieties in North Alabama, Sand Mountain REC, Crossville

Central Region

Table 20. Performance of oat varieties in Central Alabama, Black belt REC, Marion Junction

Table 21. Performance of oat varieties in Central Alabama, Prattville ARU, Prattville

Table 22. Performance of oat varieties in Central Alabama, Plant Breeding Unit, Tallassee

Southern Region

Table 23. Performance of oat varieties in South Alabama, Wiregrass REC, Headland

Table 24. Performance of oat varieties in South Alabama, Brewton ARU, Brewton

Table 25. Performance of oat varieties in South Alabama, Gulf Coast REC, Fairhope

Table 2. Performance of wheat varieties at Tennessee Valley REC, Belle Mina

Planting Date: November 4	Harvest Date: June 5		
Variety	Test weight	Yield	Grain Yield
	lbs.bushel	rank	bu/acre
USG 3013	56.6	1	97
Syngenta SX 104	57.7	2	92
Dixie DEXE 13-3	57.4	3	90
Dixie DEXE 15-2	57.1	4	89
Progeny PGX 14-3	56.9	5	85
Progeny 357	54.7	6	84
Dyna Gro 9522	56.6	7	83
USG 3201	58.1	8	83
Dixie DEXE 15-1	56.7	9	82
Hilliard	56.8	10	82
USG 3404	56.7	11	82
GA-04434-12LE28	56.9	12	82
Progeny PGX 13-6	56.8	13	82
Dyna Gro 9552	56.5	14	81
Progeny 870	56.3	15	81
AR00343-5-1	57.9	16	81
AGS 2035	58.1	17	81
Oakes	57.8	18	80
Dixie Extreme	56.1	19	80
AR01040-4-1	57.2	20	80
Progeny PGX 14-5	58.4	21	80
Terral TV 8861	57.0	22	80
SY Harrison	55.7	23	79
AGS 2038	58.4	24	79
Terral TV 8848	56.4	25	79
Dixie McAlister	55.9	26	79
USG 3833	55.9	27	79
Baldwin	58.6	28	78
USG 3251	56.9	29	78
Terral LA 754	55.0	30	78
Progeny 125	56.3	31	77
Progeny 410	56.6	32	77
VA 10W-96	57.9	33	77
USG 3756	57.3	34	77
Dixie Kelsey	57.6	35	75
ARGA04510-11LE24	55.9	36	75
GA-03564-12E6	57.6	37	75
VA 11W-106	56.5	38	74
Jamestown	58.7	39	72
GA-04417-12E33	56.9	40	71
Terral LA 841	54.9	41	71
GA-07163-12LE9	56.1	42	70
AGS 2027	55.5	43	67
Savoy	56.4	44	66
AGS 2040	56.9	45	64
Trial Mean			79
LSD (0.10)			8
CV (%)			7
Pr>F			0.0001

Table 3. Performance of wheat varieties at Sand Mountain REC, Crossville

Planting Date: November 4		Harvest Date: June 15	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Syngenta SX 104	60.0	1	122
Progeny 357	55.6	2	122
Dixie DXEX 13-3	58.1	3	117
Progeny 125	57.9	4	116
VA 10W-96	59.3	5	114
Hilliard	58.4	6	112
USG 3013	56.7	7	112
Progeny PGX 13-6	57.5	8	112
Progeny 410	58.6	9	111
Terral LA 754	56.4	10	111
USG 3756	58.9	11	110
USG 3404	57.3	12	110
AGS 2035	57.5	13	109
AGS 2027	56.1	14	109
Dixie Extreme	58.1	15	109
USG 3251	57.3	16	109
Dixie DXEX 15-1	57.7	17	109
GA-03564-12E6	58.7	18	108
AR01040-4-1	58.6	19	108
GA-04434-12LE28	57.2	20	107
USG 3201	59.1	21	107
Terral TV 8861	58.4	22	106
Dyna Gro 9522	56.8	23	106
Dixie DXEX 15-2	56.2	24	106
Terral TV 8848	56.9	25	105
Dyna Gro 9552	57.3	26	105
Oakes	60.5	27	105
Dixie Kelsey	58.9	28	104
GA-07163-12LE9	56.5	29	104
SY Harrison	56.1	30	102
Baldwin	58.5	31	102
Progeny PGX 14-5	60.9	32	102
Savoy	58.2	33	101
AR00343-5-1	59.9	34	101
ARGA04510-11LE24	55.8	35	100
VA 11W-106	58.4	36	100
AGS 2038	58.9	37	99
Progeny PGX 14-3	57.5	38	99
USG 3833	57.3	39	99
GA-04417-12E33	56.8	40	99
AGS 2040	57.3	41	97
Dixie McAlister	55.3	42	94
Jamestown	60.1	43	93
Progeny 870	55.5	44	91
Terral LA 841	53.9	45	90
Trial Mean			106
LSD (0.10)			26
CV (%)			8
Pr>F			0.0007

Table 4. Performance of wheat varieties at Black Belt REC, Marion Junction

Planting Date: October 30		Harvest Date: June 10	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Terral LA 754	53.7	1	53
USG 3251	54.0	2	50
USG 3404	53.4	3	48
Progeny PGX 13-6	54.4	4	48
AR00343-5-1	55.4	5	48
Progeny PGX 14-5	56.0	6	47
Progeny 870	52.9	7	47
GA-03564-12E6	56.4	8	47
ARGA04510-11LE24	52.9	9	46
USG 3120	55.9	10	45
Progeny 357	52.1	11	45
Baldwin	53.9	12	45
Jamestown	56.8	13	45
AR01040-4-1	54.3	14	44
Progeny PGX 14-3	54.6	15	44
AGS 2035	54.8	16	43
Hilliard	54.0	17	42
Progeny 125	53.7	18	42
Terral TV 8848	53.2	19	42
Progeny 410	53.5	20	41
Terral TV 8861	54.1	21	41
Terral LA 841	52.0	22	41
AGS 2038	55.3	23	40
GA-04417-12E33	55.1	24	40
GA-07163-12LE9	52.6	25	39
Oglethorpe	53.9	26	39
Limagrain LCS 2564	56.8	27	38
GA-04434-12LE28	53.6	28	37
VA 11W-106	54.3	29	37
Savoy	55.0	30	34
AGS 2027	53.4	31	34
AGS 2040	54.5	32	32
Trial Mean			43
LSD (0.10)			7
CV (%)			11.2
Pr>F			0.0001

Table 5. Performance of wheat varieties at Prattville ARU, Prattville

Planting Date: November 5	Harvest Date: June 11		
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Terral TV 8848	53.8	1	81
Progeny PGX 13-6	53.4	2	81
Savoy	55.6	3	80
USG 3120	55.9	4	80
Terral TV 8861	54.7	5	77
USG 3404	54.0	6	76
GA-03564-12E6	54.6	7	75
USG 3251	54.1	8	74
Progeny 870	51.6	9	74
Terral LA 754	53.6	10	74
Jamestown	57.4	11	74
Progeny PGX 14-3	54.7	12	73
AGS 2040	55.7	13	70
Progeny PGX 14-5	55.2	14	69
Progeny 357	52.1	15	68
AR00343-5-1	53.0	16	68
VA 11W-106	54.5	17	67
Terral LA 841	52.0	18	66
Hilliard	53.5	19	66
GA-04434-12LE28	51.6	20	66
Progeny 125	53.9	21	66
Oglethorpe	53.7	22	65
AR01040-4-1	51.4	23	64
GA-07163-12LE9	51.5	24	64
AGS 2027	52.8	25	63
Progeny 410	53.3	26	61
GA-04417-12E33	52.8	27	56
Baldwin	52.5	28	55
VA 10W-96	53.8	29	54
AGS 2035	55.7	30	54
AGS 2038	50.7	31	45
ARGA04510-11LE24	50.1	32	35
Trial Mean			67
LSD (0.10)			9
CV (%)			9.7
Pr>F			0.0001

Table 6. Performance of wheat varieties at the Plant Breeding Unit, Tallassee

Planting Date: October 30	Harvest Date: June 3		
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
GA-03564-12E6	54.0	1	57
Terral TV 8861	51.8	2	56
AGS 2035	53.4	3	55
Progeny PGX 14-3	52.1	4	54
Progeny 870	49.2	5	52
Terral TV 8848	52.3	6	51
Progeny PGX 13-6	50.0	7	51
USG 3251	52.4	8	51
Baldwin	53.6	9	51
Terral LA 754	50.9	10	50
USG 3404	50.6	11	50
VA 10W-96	54.0	12	50
AGS 2040	51.8	13	50
GA-07163-12LE9	50.2	14	49
Jamestown	54.4	15	48
GA-04434-12LE28	51.2	16	47
Savoy	50.2	17	46
Progeny PGX 14-5	55.5	18	46
Hilliard	52.2	19	44
Oglethorpe	49.5	20	40
AR01040-4-1	50.1	21	39
AGS 2027	50.0	22	39
AGS 2038	51.6	23	39
USG 3120	51.6	24	38
Progeny 125	51.4	25	38
ARGA04510-11LE24	51.4	26	38
VA 11W-106	53.0	27	35
AR00343-5-1	51.6	28	35
Progeny 357	50.3	29	34
GA-04417-12E33	49.8	30	34
Terral LA 841	47.1	31	34
Progeny 410	52.2	32	33
Trial Mean			45
LSD (0.10)			9
CV (%)			14
Pr>F			0.0001

Table 7. Performance of wheat varieties at Wiregrass REC, Headland

Planting Date: November 13	Harvest Date: May 29		
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
AGS 2035	51.9	1	72
AGS 2038	54.3	2	72
Terral TV 8861	54.4	3	71
VA 10W-96	54.7	4	69
Hilliard	54.1	5	68
Baldwin	55.6	6	66
Jamestown	51.0	7	65
USG 3120	49.7	8	63
GA-03564-12E6	54.8	9	63
AGS 2027	52.9	10	63
Terral LA 754	48.7	11	62
GA-07163-12LE9	49.3	12	62
Terral TV 8848	54.1	13	61
Limagrain LCS 2564	54.7	14	60
Progeny PGX 14-5	56.9	15	59
GA-04417-12E33	51.4	16	57
ARGA04510-11LE24	53.3	17	56
AGS 2040	51.7	18	54
AR00343-5-1	54.1	19	54
Progeny PGX 13-6	54.1	20	53
Savoy	48.7	21	52
Terral LA 841	48.7	22	51
Progeny 870	51.8	23	51
Progeny PGX 14-3	54.5	24	50
GA-04434-12LE28	48.5	25	50
Oglethorpe	50.3	26	49
Progeny 410	54.3	27	48
AR01040-4-1	51.9	28	47
Progeny 357	52.5	29	45
VA 11W-106	54.4	30	44
Progeny 125	50.5	31	43
Trial Mean			58
LSD (0.10)			10
CV (%)			13.2
Pr>F			0.0001

Note: Moderate lodging due to storms just before harvest.

Table 8. Performance of wheat varieties at Brewton ARU, Brewton

Planting Date: November 30		Harvest Date: May 20	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Savoy	56.5	1	73
Terral TV 8861	56.3	2	69
Terral TV 8848	52.9	3	69
Terral LA 754	52.4	4	67
AGS 2027	52.4	5	67
ARGA04510-11LE24	56.0	6	65
AR01040-4-1	53.9	7	64
GA-07163-12LE9	49.0	8	62
USG 3013	51.7	9	61
GA-03564-12E6	57.6	10	60
Hilliard	56.1	11	60
GA-04434-12LE28	51.4	12	60
Oglethorpe	52.2	13	58
AGS 2038	52.7	14	58
AR00343-5-1	52.3	15	58
GA-04417-12E33	53.6	16	58
AGS 2035	55.6	17	57
USG 3120	51.2	18	57
Limagrain LCS 2564	55.9	19	56
Terral LA 841	49.1	20	56
VA 10W-96	57.0	21	56
AGS 2040	56.9	22	55
VA 11W-106	56.6	23	54
Baldwin	54.8	24	54
Progeny PGX 14-5	55.2	25	53
Jamestown	52.1	26	53
Progeny PGX 14-3	55.8	27	48
Progeny PGX 13-6	53.6	28	47
Progeny 410	56.0	29	46
Progeny 125	53.3	30	46
Progeny 870	50.8	31	39
Progeny 357	49.4	32	19
Trial Mean			54
LSD (0.10)			7
CV (%)			9.3
Pr>F			0.0001

Table 9. Performance of wheat varieties at Gulf Coast REC, Fairhope

Planting Date: November 14		Harvest Date: June 5	
Variety	Test weight	Yield	Grain yield
	lbs/bushel	rank	bu/acre
AGS 2035	48.9	1	53
Hilliard	49.6	2	51
Savoy	47.5	3	50
Baldwin	52.5	4	48
AGS 2038	48.6	5	45
Jamestown	50.9	6	41
AGS 2040	49.9	7	40
VA 10W-96	52.7	8	39
Terral LA 754	46.6	9	37
USG 3120	46.2	10	37
GA-04434-12LE28	43.6	11	35
VA 11W-106	53.0	12	34
Progeny 870	48.4	13	34
GA-03564-12E6	51.6	14	34
GA-07163-12LE9	42.8	15	33
AR00343-5-1	45.2	16	33
Progeny 125	47.9	17	31
Progeny PGX 14-5	54.3	18	31
Oglethorpe	46.5	19	29
Progeny 410	50.2	20	28
Limagrain LCS 2564	50.6	21	28
ARGA04510-11LE24	47.5	22	28
USG 3013	46.2	23	28
AR01040-4-1	47.6	24	27
Terral LA 841	44.1	25	25
AGS 2027	46.1	26	23
GA-04417-12E33	44.6	27	22
Progeny PGX 13-6	48.8	28	20
Terral TV 8861	49.2	29	19
Progeny PGX 14-3	44.3	30	18
Terral TV 8848	47.9	31	12
Progeny 357	.	32	4
Trial Mean			32
LSD (0.10)			9
CV (%)			21.3
Pr>F			0.0001

Note: Severe lodging due to storms just before harvest.

Table 10. Wheat variety performance over multiple years at Tennessee Valley REC, Belle Mina

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
Terral TV 8861	80	78	89
Terral TV 8848	79	78	86
Baldwin	78	76	83
AGS 2035	81	74	80
Progeny 125	77	66	76
Oakes	80	67	76
Jamestown	72	68	75

* Sorted by 3-year average

Table 11. Wheat variety performance over multiple years at Sand Mountain REC, Crossville

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
Terral TV 8848	105	105	105
Progeny 357	122	107	105
Terral TV 8861	106	102	101
Progeny 125	116	103	95
Progeny 870	91	94	93
Baldwin	102	94	89
Jamestown	93	89	89
AGS 2035	109	92	88

* Sorted by 3-year average.

Table 12. Wheat variety performance over multiple years at Black Belt REC, Marion Junction

BBS - No averages available

Table 13. Wheat variety performance over multiple years at Prattville ARU, Prattville

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
Oglethorpe	65	64	80
Jamestown	74	65	76
Progeny 125	66	64	76
Terral LA 841	66	62	73
Baldwin	55	59	72
Progeny 357	68	61	71
Progeny 870	74	70	71
AGS 2035	54	54	66

** Sorted by 3-year average*

Table 14. Wheat variety performance over multiple years at the Plant Breeding Unit, Tallassee

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
Jamestown	48	51	71
AGS 2035	55	48	70
Baldwin	51	49	69
AGS 2038	39	42	68
Progeny 870	52	52	64
Oglethorpe	40	44	63
Terral LA 841	34	39	63
Progeny 125	38	43	62
Progeny 357	34	42	55

** Sorted by 3-year average*

Table 15. Wheat variety performance over multiple years at Wiregrass REC, Headland

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
AGS 2035	72	98	93
AGS 2038	72	97	92
USG 3120	63	93	87
Baldwin	66	88	85
Jamestown	65	85	84
Oglethorpe	49	83	78
Terral LA 841	51	80	78
Progeny 125	43	68	59
Progeny 870	51	65	46
Progeny 357	45	52	39

* Sorted by 3-year average

Table 16. Wheat variety performance over multiple years at Brewton ARU, Brewton

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
AGS 2038	58	55	65
AGS 2035	57	54	61
Oglethorpe	58	50	59
Terral LA 841	56	56	59
Baldwin	54	50	56
Jamestown	53	51	56
Progeny 125	46	45	49
Progeny 870	39	40	33
Progeny 357	19	32	29

* Sorted by 3-year average

Table 17. Wheat variety performance over multiple years at Gulf Coast REC, Fairhope

Variety	Average Yield (bu/acre)		
	2015	2014-2015	2013-2015
	1-year	2-year	3-year
AGS 2035	53	73	80
USG 3120	37	64	73
Jamestown	41	68	72
Baldwin	48	64	70
Progeny 125	31	60	61
Terral LA 841	25	48	56
Progeny 870	34	62	47
Progeny 357	4	37	29

** Sorted by 3-year average.*

2015 Alabama Oat Variety Trial Results

Table 18. Performance of oat varieties at Tennessee Valley REC, Belle Mina

Planting Date: November 4		Harvest Date: June 15	
Variety	Test weight	Yield	Grain yield
	lbs/bushel	rank	bu/acre
Horizon 270	34.7	1	125
Horizon 201	34.9	2	121
Horizon 306	36.7	3	119
LA 07007SBSBSB-24	32.0	4	114
Florida 501	36.3	5	92
LA 07007SBSBSB-18	33.2	6	67
Trial Mean			106
LSD (0.10)			19
CV (%)			12
Pr>F			0.0018

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 19. Performance of oat varieties at Sand Mountain REC, Crossville

Planting Date: November 4		Harvest Date: June 15	
Variety	Test weight	Yield	Grain yield
	lbs/bushel	rank	bu/acre
Florida 501	32.9	1	152
Horizon 270	35.9	2	145
Horizon 201	36.0	3	140
Horizon 306	34.5	4	135
LA 07007SBSBSB-18	33.4	5	129
LA 07007SBSBSB-24	35.1	6	114
Trial Mean			136
LSD (0.10)			15
CV (%)			4.4
Pr>F			0.0002

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 20. Performance of oat varieties at Black Belt REC, Marion Junction

Planting Date: October 30		Harvest Date: June 10	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Horizon 201	31.2	1	84
FL720-R6	32.1	2	68
LA 07007SBSBSB-18	31.6	3	68
Horizon 306	32.7	4	65
LA 07007SBSBSB-24	29.9	5	63
Gerard 224	32.9	6	63
Gerard 229	31.8	7	61
Horizon 270	33.2	8	61
FL03254 L1	32.0	9	58
FL0772-R3	.	10	41
Trial Mean			63
LSD (0.10)			14
CV (%)			16
Pr>F			0.0144

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 21. Performance of oat varieties at Prattville ARU, Prattville

Planting Date: November 5		Harvest Date: June 11	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Gerard 224	31.6	1	132
Gerard 229	32.2	2	113
LA 07007SBSBSB-18	30.5	3	112
Horizon 306	31.0	4	112
Horizon 270	30.4	5	110
LA 07007SBSBSB-24	29.9	6	99
Horizon 201	29.9	7	97
FL0772-R3	29.7	8	91
FL720-R6	27.9	9	89
FL03254 L1	31.2	10	77
Trial Mean			103
LSD (0.10)			14
CV (%)			9.4
Pr>F			0.0001

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 22. Performance of oat varieties at the Plant Breeding Unit, Tallassee

Planting Date: October 14		Harvest Date: June 3	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Gerard 224	28.6	1	57
Gerard 229	30.7	2	48
LA 07007SBSBSB-24	27.8	3	41
LA 07007SBSBSB-18	28.2	4	39
Horizon 270	25.2	5	35
Horizon 306	29.7	6	29
Horizon 201	27.0	7	26
FL0772-R3	26.8	8	25
FL720-R6	26.5	9	15
FL03254 L1	27.0	10	12
Trial Mean			33
LSD (0.10)			13
CV (%)			28
Pr>F			0.0002

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 23. Performance of oat varieties at Wiregrass REC, Headland

Planting Date: November 13		Harvest Date: May 29	
Variety	Test weight	Yield	Grain yield
	lbs/bushel	rank	bu/acre
Horizon 270	31.4	1	105
Horizon 201	29.8	2	96
FL720-R6	31.9	3	93
FL03254 L1	33.0	4	91
LA 07007SBSBSB-18	31.5	5	87
Horizon 306	33.5	6	84
LA 07007SBSBSB-24	29.1	7	82
FL0772-R3	31.5	8	82
Trial Mean			90
LSD (0.10)			NS
CV (%)			19
Pr>F			0.7060

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 24. Performance of oat varieties at Brewton ARU, Brewton

Planting Date: November 13		Harvest Date: May 20	
Variety	Test Weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Horizon 201	29.1	1	127
Horizon 306	32.8	2	123
LA 07007SBSBSB-24	30.4	3	107
LA 07007SBSBSB-18	31.5	4	106
FL720-R6	32.7	5	99
Horizon 270	31.5	6	97
FL0772-R3	32.4	7	88
FL03254 L1	33.4	8	71
Trial Mean			102
LSD (0.10)			NS
CV (%)			26.2
Pr>F			0.2826

Note: Moderate to severe lodging on all oat trials except Crossville.

Table 25. Performance of oat varieties at Gulf Coast REC, Fairhope

Planting Date: November 14		Harvest Date: June 5	
Variety	Test weight	Yield	Grain Yield
	lbs/bushel	rank	bu/acre
Horizon 201	27.4	1	107
LA 07007SBSBSB-24	28.6	2	103
Horizon 270	29.1	3	98
LA 07007SBSBSB-18	30.1	4	93
Horizon 306	28.7	5	86
FL720-R6	27.9	6	70
FL0772-R3	30.1	7	63
FL03254 L1	28.4	8	38
Trial Mean			82
LSD (0.10)			28
CV (%)			24
Pr>F			0.0085

Note: Moderate to severe lodging on all oat trials except Crossville.

2014-2015 Grain Sources

Wheat

Cultivar:	Source:
AGS 2027, AGS 2035,	AGSouth Genetics
AGS 2038, AGS 2040	Albany, Georgia
Dixie McAlister, Dixie Extreme,	Cache River Valley Seed Co.
Dixie Kelsey, DXEX 13-3*,	Cash, Arkansas
DXEX 15-1*, DXEX 15-2*	
DynaGro Baldwin	Crop Production Services/DynaGro Seed
DynaGro Oglethorpe	Bloomville, Ohio
DynaGro Savoy (GA 041052-11E51)	
LCS 2564	Limagrain Cereal Seeds
	Charlotte, North Carolina
Progeny 125, Progeny 357,	Progeny Ag Products
Progeny 410, Progeny 870,	Wynne, Arkansas
PGX 13-6*, PGX 14-3*, PGX 15-5*	
Oakes, SY Harrison,	Syngenta Seeds, Inc.
SX 104*	Cordova, Tennessee
Terral LA 754, Terral LA 841,	Terral Seed Co.
Terral TV 8848, Terral TV 8861	Lake Providence, Louisiana
AR00343-5-4*, AR01040-4-1*,	University of Arkansas
ARGA04510-11LE24*	Fayetteville, Arkansas
GA 03564-12E6*,	University of Georgia
GA 04417-12E33*,	Griffin, Georgia
GA 04434-12LE28*,	
GA 07163-12LE59*	
Jamestown, Hilliard	Virginia Crop Improvement Assn.
VA 10W-96*, VA 11W-106*	Warsaw, Virginia
* Experimental line; not yet commercially available.	

Oats

Cultivar:	Source:
Gerard 224, Gerard 229	Gerard Seed Company
	Washington, North Carolina
LA07007SBSBSB-18*,	Louisiana State University
LA07007SBSBSB-24*,	Baton Rouge, Louisiana
Horizon 201, Horizon 270,	Plantation Seed Conditioners, Inc.
Horizon 306 (formerly LA05006)	Newton, Georgia
FL720-R6*, FL03254 L1*,	University of Florida
FL0772-R3*,	Gainesville, Florida
* Experimental line; not yet commercially available.	

Acknowledgements

We would like to express our appreciation for the work and dedication of the supervisory and staff personnel of the Alabama Experiment Station outlying units without whom this work would not be possible. Thanks are also expressed to the producers and citizens of Alabama for supporting research on the production of food and fiber across our state.

Outlying Units Involved

Northern Region

Sand Mountain Research and Extension Center, Crossville

William Clements, Director

Clint McEmoyl, Associate Director

Tennessee Valley Research and Extension Center, Belle Mina

Chet Norris, Director

David Harkins, Associate Director



Central Region

Black Belt Research and Extension Center, Marion Junction

Jamie Yeager, Director

Gene Pegues, Associate Director

E.V. Smith Research and Extension Center, Plant Breeding Unit, Tallassee

Greg Pate, Director

Jason Burkett, Associate Director

Shawn Scott, Associate Director

Prattville Agricultural Research Unit, Prattville

Don Moore, Director



Southern Region

Brewton Agricultural Research Unit, Brewton

Malcomb Pegues, Director

Gulf Coast Research and Extension Center, Fairhope

Malcomb Pegues, Director

Jarrold Jones, Assoc. Director

Wiregrass Research and Extension Center, Headland

Larry Wells, Director

Brian Gamble, Assoc. Director



Issued in cooperation with the Alabama Cooperative Extension System, Dr. Gary Lemme, Director

Information contained herein is available to all persons regardless of race, color, sex, or national origin. Issued in furtherance of Cooperative Extension work in agriculture and home economics, Acts of May 8, and June 30, 1914, and other related acts, in cooperation with the U.S. Department of Agriculture. The Alabama Cooperative Extension System (Alabama A&M University and Auburn University) offers educational programs, materials, and equal opportunity employment to all people without regard to race, color, national origin, religion, sex, age, veteran status, or disability.