

PERFORMANCE OF SMALL GRAIN VARIETIES IN ALABAMA, 2021-2022

DEPT. SERIES NO. CSES2022: SMALL GRAIN
HENRY G. JORDAN JR., VARIETY TESTING MANAGER
CROP, SOIL & ENVIRONMENTAL SCIENCES
AUBURN UNIVERSITY, AUBURN AL
JUNE 30, 2022

MISSION

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.

HOW TO INTERPRET RESULTS

The purpose of the variety trial data is to determine whether differences are due to genetic performance. These differences cannot be measured absolutely due to environmental field conditions (rainfall, temperatures, soil fertility, soil type, disease, insects, etc.). Yields may differ between plots of the same entry. This variation is accounted for using experimental design and statistics.

The least significant difference (LSD) is used to determine whether the observed differences between entries are real or are caused by random variation. When using the LSD, two entries may have numerically different values, but the values are not statistically different. When two entries are compared and the observed difference is larger than the LSD, the entries are considered statistically different. An alpha level of 0.10 is used, meaning that the differences observed are expected to be real 90% of the time.

The coefficient of variation (CV) is a measure used to compare the amount of random variation within a data set. The lower the CV, the more precise the data set.

Each table is organized in a manner that it is easy to read. The data is sorted from highest yielding to lowest. The bolded values are not statistically different from the highest yielding value.

A dark line in the table visually represents the test average. Any value above the line is equal to or greater than the test average. The numeric value for the test average is at the bottom of the tables.

Test results do not imply recommendation or endorsement by the Auburn University Variety Testing Program.



ACKNOWLEDGEMENT

**DR. PAUL PATTERSON, DEAN AND DIRECTOR
ALABAMA AGRICULTURAL EXPERIMENT STATION**

**DR. ARTHUR APPEL, INTERIM ASSOCIATE DEAN FOR RESEARCH &
ASSOCIATE DIRECTOR, ALABAMA AGRICULTURAL EXPERIMENT STATION**

**GREG PATE, DIRECTOR OF RESEARCH OPERATIONS FOR OUTLYING UNITS
ALABAMA AGRICULTURAL EXPERIMENT STATION**

**DR. JOHN BEASLEY, DEPT. HEAD
CROP, SOIL & ENVIRONMENTAL SCIENCES**

**AUBURN UNIVERSITY VARIETY TESTING STUDENT WORKERS
JOSEPH BURCH
RILEY HILL
DEBRA SMITHERMAN
JACKSON BARBER
GARETT NORTON**

TABLE OF CONTENTS

MANAGEMENT INFORMATION

SEED SOURCES

WHEAT

OAT

TRITICALE

BARLEY

SEED PER POUND

WHEAT

TRITICALE

BARLEY

2020-2021 PERFORMANCE OF SMALL GRAIN VARIETIES IN ALABAMA “LAST YEAR’S DATA”

SOUTH REGION

BREWTON AGRICULTURAL RESEARCH UNIT BREWTON, AL

Malcomb Pegues, Director

Brad Miller, Associate Director

WHEAT

OAT

WEBSITE

WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

Chris Parker, Associate Director

WHEAT

OAT

TRITICALE

WEBSITE

GULF COAST RESEARCH AND EXTENSION CENTER FAIRHOPE, AL

Malcomb Pegues, Director

Jarrod Jones, Associate Director

WHEAT

OAT

WEBSITE

CENTRAL REGION

BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL

Jamie Yeager, Director

WHEAT

OAT

WEBSITE

E.V. SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT, TALLASSEE, AL

Jason Burkett, Associate Director

WHEAT

OAT

BARLEY

WEBSITE

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

Josh Canterbury, Director

WHEAT

OAT

WEBSITE

NORTH REGION

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

David Harkins, Associate Director

WHEAT

OAT

TRITICALE

BARLEY

WEBSITE

SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

Clint McElmoyl, Associate Director

WHEAT

OAT

TRITICALE

WEBSITE

DISEASE SCREENING

BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

Malcomb Pegues, Director

Brad Miller, Associate Director

WHEAT

OAT

TRITICALE

MANAGEMENT INFORMATION

Moisture is recorded at harvest time, and yields are standardized to 13.5% moisture for head-a to-head comparison.

TABLE 1 - AGRONOMIC INFORMATION

Crop	Seeding Rate	Row Spacing	Plot Size	Number of Replications
Wheat Triticale Barley	26.4 seed/ft ² or 1.2 million seed/acre	7 inch	5 x 20 ft	3-4
Oat	75 lb/ac	7 inch	5 x 20 ft	3-4

TABLE 2 – LOCATION-SPECIFIC INFORMATION

Research Center	Tennessee Valley	Sand Mountain	Black Belt	E.V. Smith	Prattville	Wiregrass	Brewton	Gulf Coast
Location	Belle Mina	Crossville	Marion Junction	Tallassee	Prattville	Headland	Brewton	Fairhope
Region	North	North	Central	Central	Central	South	South	South
Crops	Wheat Oat Triticale Barley	Wheat Oat Triticale	Wheat Oat	Wheat Oat Barley	Wheat Oat	Wheat Oat Triticale	Wheat Oat	Wheat Oat
Plant Date	November 10	November 17	November 9	November 15	November 15	November 8	November 29	November 29
Harvest Date	June 6 & 10	June 27	June 9	June 1-2	June 8	June 2	June 6	
Soil Type	Decatur Silt Loam	Hartselle Fine Sandy Loam	Sumter	Kalmia Loamy Sand	Lucedale Fine Sandy Loam	Dothan Sandy Loam	Benndale Fine Sandy Loam	Malbis Fine Sandy Loam
Tillage	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	No-Till
Test Conducted By	D. Harkins	C. McElmoyl D. Stallings	J. Yeager A. Harrison J. Westbrook J. Holbrook	J. Burkett N. Stockdale F. Jackson	J. Canterbury C. Henderson	C. Parker C. Thomas E. Richards H. McDaniel J. Greene J. Mullen J.D. Galloway K. Hodges M. Davis	B. Miller B. Thompson J. Wyatt	M. Pegues J. Jones

SEED SOURCES - WHEAT

TABLE 3 – SEED SOURCE, VARIETY NAME, AND REGIONS TESTED

Source	Variety
AgriMAXX Wheat Company	AgriMAXX 481 AgriMAXX 492 AgriMAXX 503 AgriMAXX 513 AgriMAXX 514 AgriMAXX EXP 2105
AGSouth Genetics	AGS 2021 AGS 2024 AGS 3015 AGS 3026 AGS 3040 AGS 4023 AGS 4043
Dyna-Gro	DG 9120 DG 9172 DG 9393 DG 9811 DG WX20738 Dyna-Gro Blanton Dyna-Gro Plantation Dyna-Gro Riverland Dyna-Gro Rutledge
Grow Pro Genetics	GP 348 GP 381 GP 747
KWS Cereals	KWS394 KWS411 KWS419
Local Seed Company LLC	REVERE 2026 REVERE 2169 REVERE 2266
Louisiana State University	LA15203-LDH112 LA15203-LDH274 AGS 3022 (LA16020LDH-22)
Progeny	#BULLET #BUSTER #CHAD #TURBO Progeny 19-12

Source	Variety
Stratton Seed Company	AGS 2055 Go Wheat 2032 Go Wheat 6000 Go Wheat LA754
UniSouth Genetics Inc	USG 3352 USG 3472 USG 3640 USG 3752 USG 3783
University of Florida	FL15105-LDH039 FL16009LDH-16 FL16045LDH-25
University of Georgia	GA 11052-19LE15 GA 111055-19LE12 GA 121012-19LE8 GA 151313-LDH224-19E38
Virginia Crop Improvement Association	Liberty 5658 VA17W-75

[Table of Contents](#)

SEED SOURCES - OATS

TABLE 4 - SEED SOURCE, VARIETY NAME, AND REGIONS TESTED

Source	Variety
AGSouth Genetics	Horizon 214
	Horizon 306
	Horizon 720
Louisiana State University	LA14105SBSBS56-1
Oak River Farms	Sweet Caroline
University of Florida	FL1035-2
	FL13057-4
	FL13088-3
	FL13097-1

[Table of Contents](#)

SEED SOURCES - TRITICALE

TABLE 5- SEED SOURCE, VARIETY NAME

Source	Variety
TriCal Superior Forage	TriCal 342
	TriCal 1143
	TriCal 344

[Table of Contents](#)

SEED SOURCES - BARLEY

TABLE 6- SEED SOURCE, VARIETY NAME

Source	Variety
Oregro Seeds	Full Pint Half Pint Haybet Hoody Lavina Verdant
Origin Malt	OM-140088 OM21010 OM21115 OM21515 OM21969 OM-L
Virginia Crop Improvement Association	Amaze 10 Avalon Flavia Hirondeella Marouetta Nomini Secretariat Thoroughbred VA15H-73 VA16BFHB-268 NA VA16M-84

[Table of Contents](#)

SEED PER POUND - WHEAT

TABLE 7 – NUMBER OF SEEDS PER POUND UPON RECEIPT

Variety	Seed per Pound
FL15105-LDH039	16953
GA 151313-LDH224-19E38	15934
FL16045LDH-25	15053
VA17W-75	14602
FL16009LDH-16	14264
AGS 2024	14226
AGS 4043	14029
Liberty 5658	13829
AGS 3026	13719
GP 381	13342
Dyna-Gro 9172	13332
AGS 3015	13251
Dyna-Gro 9120	13194
AgriMAXX 514	13144
Dyna-Gro Blanton	12940
AGS 3040	12668
GA 111055-19LE12	12659
#CHAD	12648
AGS 2055	12590
REVERE 2169	12554
AGS 4023	12349
GA 121012-19LE8	12129
#BUSTER	12118
USG 3783	12087
Dyna-Gro Rutledge	11948
Dyna-Gro 9811	11877
Progeny 19-12	11814
USG 3472	11784
LA15203-LDH112	11683
AgriMAXX 513	11642
Go Wheat 6000	11623
GP 747	11532
GP 348	11505
DG WX20738	11476
#TURBO	11445
AgriMAXX 492	11352
AgriMAXX EXP 2105	11286
REVERE 2266	11248
AgriMAXX 481	11176
Dyna-Gro Riverland	11022
AgriMAXX 503	11002
AGS 3022	10923
Dyna-Gro 9393	10913

Variety	Seed per Pound
USG 3752	10895
KWS394	10835
REVERE 2026	10718
KWS411	10675
USG 3640	10569
Go Wheat 2032	10534
GA 11052-19LE15	10530
LA15203-LDH274	10232
#BULLET	10171
SY Viper	10133
USG 3352	10056
AGS 2021	9879
KWS419	9742
Go Wheat LA754	9444
Dyna-Gro Plantation	9391
Average	11961
LSD @ 10%	311
CV	13
Model R-Square	0.99

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in the table indicates the test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

SEED PER POUND - TRITICALE

TABLE 8 – NUMBER OF SEEDS PER POUND UPON RECEIPT

Variety	Seed per Pound
TriCal 344	15136
TriCal 342	15091
TriCal 1143	11049
Average	13759
LSD @ 10%	1758
CV	17
Model R-Square	0.91

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in the table indicates the test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

SEED PER POUND - BARLEY

TABLE 9 – NUMBER OF SEEDS PER POUND UPON RECEIPT

Variety	Seed per Pound
KWS Willis	21481
Barbarella	19623
Sangria	17666
Amaze 10	15648
14HV789	15419
Verdant	14525
14HV760	14376
14HV541	14279
14HV797	14124
Half Pint	13119
Secretariat	12838
Thoroughbred	12774
Alba	12540
OM21115	12527
VA16BFHB-268 NA	12462
14HV027	12369
Nomini	12265
KWS Jessie	12245
Lavina	12188
14HV026	11723
Hoody	11567
VA15H-73 2R	11515
Haybet	11430
KWS Fantex	11384
OM-140088	11068
Marouetta	11064
14HV029	10744
14HV028	10677
Hirondella	10335
Full Pint	10121
Avalon	10028
OM21515	9855
OM-L	9764
OM21969	9723
Flavia	9272
OM21010	8660
VA16M-84	7745
Average	12409
LSD @ 10%	1344

Variety	Seed per Pound
CV	24
Model R-Square	0.96

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in the table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 10 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day-Month	LeafRust 5/5/2022 (0-10)	Tan Spot 5/5/2022 (0-10)	Barley Yellow Dwarf 5/5/2022 %
Dyna-Gro Plantation	93	60.5	42	5	0.0	3.0	27	0.0
Dyna-Gro Blanton	91	54.8	41	28	0.0	3.7	30	0.0
Liberty 5658	90	60.0	40	10	0.0	3.0	37	0.0
Dyna-Gro Riverland	89	60.0	42	0	0.0	2.0	27	0.0
Dyna-Gro Rutledge	88	57.8	40	8	0.0	2.3	38	0.0
AgriMAXX 481	86	54.0	40	18	1.0	2.3	33	1.0
AGS 2021	86	61.2	43	0	0.0	2.0	20	0.0
USG 3640	86	60.4	44	10	0.0	2.3	28	0.0
REVERE 2026	85	58.6	42	10	0.0	3.7	43	0.0
AGS 3022	81	59.2	38	20	0.0	2.3	37	0.0
AGS 2055	80	56.9	42	5	0.0	2.3	13	0.0
LA15203-LDH274	79	60.0	41	13	0.0	2.7	52	0.0
GA 111055-19LE12	77	56.5	41	7	0.0	2.7	18	0.0
USG 3752	74	59.2	41	58	0.0	3.0	28	0.0
LA15203-LDH112	74	57.1	40	5	0.0	1.3	18	0.0
Go Wheat 2032	74	58.8	40	13	0.0	3.0	28	0.0
AGS 3015	74	60.0	43	38	0.0	2.3	37	0.0
AGS 4043	72	58.9	36	18	1.0	3.0	18	1.0
FL16009LDH-16	72	54.8	39	13	0.0	3.0	57	0.0
GP 381	72	56.0	37	0	1.0	1.3	10	1.0
GA 11052-19LE15	71	56.2	41	10	0.0	1.0	20	0.0
FL15105-LDH039	70	58.6	39	13	0.0	2.7	30	0.0
FL16045LDH-25	70	60.1	39	40	0.0	2.7	37	0.0
GA 151313-LDH224-19E38	69	60.2	42	33	0.0	2.0	33	0.0
VA17W-75	69	58.0	40	52	0.0	2.3	50	0.0
GA 121012-19LE8	68	59.6	42	30	0.0	2.7	30	0.0
Go Wheat 6000	66	56.5	39	50	0.0	3.7	42	0.0
AGS 3026	65	59.5	39	70	0.0	2.3	27	0.0
GP 348	64	57.0	38	55	0.0	2.3	30	0.0
AGS 4023	63	51.9	39	50	1.7	2.0	13	1.7
AGS 2024	61	58.7	39	72	0.0	3.3	32	0.0
Go Wheat LA754	60	56.8	39	78	0.0	3.0	30	0.0
SY Viper	58	54.7	44	48	4.7	2.7	20	4.7
GP 747	54	51.0	40	25	1.3	3.0	20	1.3
USG 3352	36	51.4	38	47	3.7	1.3	8	3.7
Average	73	57.6	40	27	0.4	2.5	29	0.4
LSD @ 10%	11	36.3	2	25	1.3	N.S.	19	1.3
CV	19	6	6	113	321	51	60	321
Model R-Square	0.77	0.63	0.63	0.72	0.65	0.52	0.60	0.65

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 11 – LOCATION-SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day-Month	Crown Rust 5/5/2022 (0-10)	Barley Yellow Dwarf 5/5/2022 (0-10)	Leaf Blotch 5/5/2022 (0-10)
FL13097-1	109	36.8	54	87	24-Mar	0.0	53	3.3
FL13088-3	102	33.8	58	57	6-Apr	1.0	47	3.3
FL1035-2	96	38.2	59	48	24-Mar	0.0	67	4.0
Horizon 720	94	38.2	61	80	5-Apr	4.0	57	3.7
LA14105SBSBS56-1	93	36.4	57	85	28-Mar	0.0	57	4.0
FL13057-4	87	37.6	57	57	22-Mar	0.0	57	3.7
Horizon 214	76	38.3	60	85	12-Apr	5.0	33	4.0
Horizon 306	63	39.8	57	80	12-Apr	2.3	40	3.3
Average	90	37.4	58	72	1-Apr	1.5	51	3.7
LSD @ 10%	N.S.	N.S.	N.S.	14	1 day	1.5	10	N.S.
CV	34	6	6	23	9	137	23	17
Model R-Square	0.31	0.56	0.44	0.80	0.999	0.84	0.79	0.38

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT

WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 12 – LOCATION SPECIFIC DATA

On March 13, the minimum recorded temperature at the WREC was 36.5 degrees Fahrenheit. This caused significant cold damage to some wheat varieties.

Variety	Yield bushels per acre	Test Weight pounds per bushel	Head Date Day-Month
AGS 3022	49	52.3	28-Mar
GA 151313-LDH224-19E38	49	54.0	4-Apr
AgriMAXX 481	47	53.3	28-Mar
AGS 4043	46	53.3	4-Apr
GP 747	45	48.0	11-Apr
LA15203-LDH112	43	50.5	4-Apr
Dyna-Gro Plantation	42	52.6	30-Mar
GA 111055-19LE12	42	51.9	6-Apr
GA 11052-19LE15	42	52.1	11-Apr
Dyna-Gro Riverland	41	52.1	28-Mar
AGS 3015	39	53.6	28-Mar
GP 381	38	51.4	4-Apr
AGS 4023	36	54.5	8-Apr
REVERE 2026	36	50.8	28-Mar
Dyna-Gro Rutledge	35	51.9	28-Mar
USG 3640	34	52.7	28-Mar
VA17W-75	33	53.8	28-Mar
AGS 2021	33	55.0	28-Mar
AGS 3026	32	54.4	28-Mar
AGS 2055	31	48.7	6-Apr
GP 348	30	53.5	4-Apr
Go Wheat LA754	30	49.8	28-Mar
AGS 2024	30	52.6	28-Mar
USG 3752	30	52.6	28-Mar
Dyna-Gro Blanton	28	52.6	25-Mar
FL16009LDH-16	28	50.9	21-Mar
Go Wheat 2032	26	50.4	28-Mar
Go Wheat 6000	26	51.7	25-Mar
GA 121012-19LE8	26	52.7	28-Mar
FL15105-LDH039	24	54.3	30-Mar
FL16045LDH-25	23	54.3	1-Apr
Liberty 5658	19	50.4	1-Apr
LA15203-LDH274	16	49.7	14-Mar
SY Viper	8	50.6	1-Apr
USG 3352	8	48.1	31-Mar
Average	33	52.0	30-Mar
LSD @ 10%	10	2.1	3 days
CV	38	5	7
Model R-Square	0.75	0.73	0.89

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 13 – LOCATON SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Head Date Day-Month
LA14105SBSBS56-1	85	32.5	14-Mar
Horizon 214	78	31.5	28-Mar
FL1035-2	76	35.5	7-Mar
FL13057-4	74	33.4	7-Mar
Horizon 720	74	31.9	16-Mar
FL13088-3	72	30.4	18-Mar
Horizon 306	71	33.9	28-Mar
FL13097-1	53	31.4	9-Mar
Average	73	33	15-Mar
LSD @ 10%	N.S.	1.3	5 days
CV	19	6	12
Model R-Square	0.46	0.86	0.90

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

TRITICALE
WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 14 – LOCATON SPECIFIC DATA

On March 13, the minimum recorded temperature at the WREC was 26.5 degrees Fahrenheit. This caused significant cold damage to the triticale which was already in a reproductive growth stage. Yields averaged 10 bushels per acre and are being omitted.

Variety	Yield bushels per acre	Height inches	Lodging %	Head Date Day-Month

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

TABLE 15 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height Inches	Head Date Day-Month
LA15203-LDH274	84	57.2	36	26-Mar
VA17W-75	84	57.3	35	30-Mar
FL16009LDH-16	82	52.6	36	29-Mar
GP 381	82	54.5	35	5-Apr
AGS 4043	81	56.8	32	1-Apr
FL15105-LDH039	79	58.9	35	31-Mar
AGS 2021	79	57.5	36	31-Mar
USG 3752	76	56.2	38	28-Mar
Go Wheat 2032	75	56.0	35	30-Mar
AGS 3022	75	55.8	34	31-Mar
Dyna-Gro Blanton	75	54.5	32	30-Mar
REVERE 2026	69	53.5	35	29-Mar
Dyna-Gro Riverland	68	55.8	37	1-Apr
FL16045LDH-25	68	57.8	35	1-Apr
USG 3640	68	55.8	39	2-Apr
GA 151313-LDH224-19E38	67	56.8	36	4-Apr
Dyna-Gro Rutledge	66	53.2	36	28-Mar
SY Viper	66	52.9	37	7-Apr
Dyna-Gro Plantation	65	55.2	36	5-Apr
AGS 3015	64	57.2	36	28-Mar
AgriMAXX 481	64	55.4	36	2-Apr
GP 747	63	49.1	35	12-Apr
LA15203-LDH112	62	54.6	36	10-Apr
Liberty 5658	61	55.5	36	3-Apr
Go Wheat 6000	61	51.9	35	1-Apr
GA 111055-19LE12	61	51.8	35	9-Apr
AGS 3026	61	50.6	36	2-Apr
Go Wheat LA754	59	52.4	37	3-Apr
AGS 4023	58	57.6	36	6-Apr
AGS 2055	58	50.8	38	8-Apr
AGS 2024	55	51.6	34	2-Apr
GA 11052-19LE15	55	52.1	34	11-Apr
GP 348	51	54.4	33	9-Apr
GA 121012-19LE8	50	53.2	38	2-Apr
USG 3352	40	48.8	33	16-Apr
Average	67	54.4	36	2-Apr
LSD @ 10%	12	0.1	3	2 days
CV	19	5	7	5
Model R-Square	0.67	0.90	0.50	0.96

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL

TABLE 16 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month	Bird Damage %
Horizon 214	70	29.9	46	3-Apr	37
FL13097-1	67	29.0	47	24-Mar	68
Horizon 306	59	28.9	52	3-Apr	57
FL13057-4	56	32.0	50	18-Mar	72
FL13088-3	51	24.3	50	1-Apr	50
Horizon 720	49	28.2	53	30-Mar	77
LA14105SBSBS56-1	46	27.3	49	1-Apr	67
FL1035-2	42	30.9	51	24-Mar	68
Average	55	28.8	50	28-Mar	62
LSD @ 10%	15	3.1	N.S.	1 day	13
CV	24	10	7	7	24
Model R-Square	0.61	0.65	0.54	0.99	0.80

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL

TABLE 17 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
Dyna-Gro Plantation	74	54	35	11-Apr
KWS419	73	54	35	18-Apr
AgriMAXX 514	72	53	32	18-Apr
USG 3783	72	53	30	21-Apr
USG 3352	72	54	35	24-Apr
Progeny 19-12	72	53	34	20-Apr
KWS411	72	53	31	13-Apr
Dyna-Gro 9393	71	50	33	21-Apr
REVERE 2266	71	51	33	24-Apr
#BUSTER	71	55	33	16-Apr
AgriMAXX 481	71	52	36	9-Apr
DG WX20738	70	53	35	9-Apr
Dyna-Gro Blanton	69	53	34	8-Apr
Go Wheat 2032	69	52	35	8-Apr
#CHAD	68	50	31	11-Apr
AGS 3022	68	54	33	9-Apr
SY Viper	68	54	36	11-Apr
GP 348	67	54	33	10-Apr
AgriMAXX 492	67	54	33	8-Apr
GP 747	66	50	31	20-Apr
USG 3472	66	53	33	19-Apr
Dyna-Gro Riverland	65	55	36	8-Apr
GA 111055-19LE12	65	50	34	11-Apr
REVERE 2026	65	51	35	8-Apr
USG 3640	64	55	37	8-Apr
KWS394	64	49	28	16-Apr
#BULLET	64	52	35	22-Apr
VA17W-75	63	54	34	10-Apr
GA 121012-19LE8	63	54	36	14-Apr
Go Wheat 6000	63	55	36	8-Apr
Dyna-Gro Rutledge	63	53	34	10-Apr
GA 11052-19LE15	62	55	33	18-Apr
AGS 2021	62	55	37	9-Apr
Go Wheat LA754	62	49	37	9-Apr
GP 381	61	53	32	14-Apr
AGS 2024	60	53	33	10-Apr

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
LA15203-LDH274	60	52	33	9-Apr
Liberty 5658	60	53	36	12-Apr
AGS 3026	59	54	34	19-Apr
AGS 2055	59	51	33	18-Apr
AGS 4043	58	52	30	15-Apr
GA 151313-LDH224-19E38	58	55	36	11-Apr
#TURBO	58	52	32	13-Apr
USG 3752	57	55	36	9-Apr
LA15203-LDH112	56	53	31	18-Apr
AGS 3015	55	55	36	10-Apr
FL16009LDH-16	51	50	32	13-Apr
FL16045LDH-25	51	55	34	10-Apr
AGS 4023	50	53	33	14-Apr
FL15105-LDH039	43	55	34	9-Apr
Average	64	52.9	34	13-Apr
LSD @ 10%	7	2.0	2	3 days
CV	12	4	7	5
Model R-Square	0.72	0.65	0.83	0.9

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
BLACK BELT RESEARCH AND EXTENSION CENTER
MARION JUNCTION, AL

TABLE 18 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
Horizon 214	82	31.0	39	8-Apr
Horizon 306	68	31.6	40	7-Apr
LA14105SBSBS56-1	67	29.3	41	8-Apr
FL13088-3	59	28.2	42	6-Apr
FL13097-1	59	29.2	43	8-Apr
Horizon 720	58	30.1	40	12-Apr
FL1035-2	56	33.5	52	2-Apr
Sweet Caroline	55	31.4	40	12-Apr
FL13057-4	48	30.6	43	7-Apr
Average	61	30.5	42	7-Apr
LSD @ 10%	8	1.6	4	4 days
CV	17	6	10	4
Model R-Square	0.81	0.77	0.75	0.70

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
E.V. SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT - TALLASSEE, AL

TABLE 19 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day- Month	Leaf Rust 5/12/2022 (0-10)	Septoria 5/12/2022 (0-10)	Tan Spot 5/12/2022 (0-10)	Barley Yellow Dwarf 5/12/2022 %
GP 348	94	53.6	37	3	14-Apr	0.0	1.7	1.7	67
AgriMAXX 481	92	55.3	39	0	14-Apr	0.0	2.3	2.0	48
USG 3752	92	56.5	40	2	14-Apr	0.0	2.0	2.7	38
AgriMAXX 492	91	57.3	39	3	14-Apr	1.0	2.0	3.0	68
Dyna-Gro Riverland	91	55.3	42	2	14-Apr	0.0	2.3	2.7	23
USG 3783	89	53.9	37	0	21-Apr	3.0	0.0	2.3	15
DG WX20738	88	54.7	37	2	14-Apr	2.3	1.7	2.0	27
GA 11052-19LE15	88	55.7	40	0	14-Apr	1.7	0.0	2.7	33
Dyna-Gro Plantation	88	53.9	39	0	14-Apr	0.0	1.3	2.7	43
#TURBO	87	57.8	36	0	14-Apr	2.3	1.0	2.7	53
GA 111055-19LE12	86	52.4	41	7	16-Apr	0.0	2.0	2.0	33
Dyna-Gro 9393	85	56.3	39	0	23-Apr	1.3	2.0	2.7	50
Dyna-Gro Blanton	85	52.8	40	0	14-Apr	0.0	2.0	2.0	53
AGS 3015	85	58.1	41	2	14-Apr	0.0	3.0	2.7	58
GP 381	85	57.1	37	0	14-Apr	2.0	0.7	2.3	52
AGS 3022	84	56.4	37	0	14-Apr	0.0	1.0	2.7	70
AGS 2021	84	56.0	42	3	14-Apr	2.0	1.7	2.7	40
VA17W-75	84	56.5	36	0	14-Apr	0.0	2.0	2.7	63
Go Wheat 6000	83	54.7	41	10	14-Apr	0.0	1.0	2.7	38
FL15105-LDH039	83	61.4	39	3	14-Apr	0.0	2.3	3.0	37
AGS 4023	83	59.0	38	13	18-Apr	0.0	2.3	2.7	47
FL16045LDH-25	83	58.2	38	0	14-Apr	0.0	1.0	3.0	55
Go Wheat 2032	83	51.3	39	0	14-Apr	0.0	2.7	2.7	45
AGS 2055	82	52.6	39	0	18-Apr	0.0	0.0	2.7	48
Liberty 5658	82	57.7	39	0	14-Apr	0.0	3.0	2.7	67
AGS 4043	82	57.6	35	12	14-Apr	0.0	2.3	2.7	20
REVERE 2026	80	46.7	42	0	14-Apr	0.0	2.0	2.7	50
USG 3640	80	54.3	43	2	14-Apr	0.0	1.3	2.7	43
KWS411	80	57.0	39	20	14-Apr	2.3	0.7	3.0	50
LA15203-LDH274	80	57.2	38	0	11-Apr	0.0	0.0	3.0	73
AGS 3026	80	51.2	38	2	14-Apr	0.0	0.0	2.0	47
Go Wheat LA754	79	52.5	42	10	14-Apr	0.0	0.7	2.3	33
#CHAD	78	51.1	34	10	14-Apr	1.0	2.3	2.7	53
SY Viper	78	53.3	42	13	14-Apr	4.3	2.3	2.7	47
Dyna-Gro Rutledge	78	48.7	40	0	14-Apr	0.0	2.0	2.7	50
LA15203-LDH112	77	58.5	39	0	21-Apr	0.0	0.0	2.0	50
Progeny 19-12	77	55.7	39	13	25-Apr	1.0	1.0	2.7	37

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day- Month	Leaf Rust 5/12/2022 (0-10)	Septoria 5/12/2022 (0-10)	Tan Spot 5/12/2022 (0-10)	Barley Yellow Dwarf 5/12/2022 %
#BUSTER	77	57.9	37	12	16-Apr	3.3	0.7	2.3	33
AgriMAXX 514	77	56.1	39	3	21-Apr	1.3	1.7	2.7	33
GA 121012-19LE8	74	55.5	41	27	14-Apr	0.0	2.3	2.7	37
GP 747	73	50.9	39	3	25-Apr	5.0	1.0	2.0	22
KWS394	73	51.9	36	0	23-Apr	5.0	1.0	1.7	22
USG 3472	72	55.9	41	2	23-Apr	5.0	0.0	1.0	17
GA 151313-LDH224-19E38	72	57.1	39	5	14-Apr	0.0	0.7	2.3	58
#BULLET	72	54.6	41	40	28-Apr	2.7	1.7	1.7	18
KWS419	71	57.7	40	10	28-Apr	3.0	0.7	2.7	17
AGS 2024	70	49.7	39	0	14-Apr	0.0	0.7	2.7	68
FL16009LDH-16	67	42.4	39	2	14-Apr	0.0	1.7	2.7	67
REVERE 2266	55	44.7	40	3	28-Apr	5.7	0.7	2.0	25
USG 3352	55	51.3	42	10	28-Apr	4.0	1.3	1.7	8
Average	80	54.5	39	5	16-Apr	1.2	1.4	2.4	43
LSD @ 10%	9	2.4	3	15	4 days	1.3	1.6	0.8	16
CV	12	8	7	247	5	156	93	30	45
Model R-Square	0.70	0.87	0.65	0.44	0.83	0.83	0.48	0.61	0.76

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
E.V. SMITH RESEARCH AND EXTENSION CENTER
PLANT BREEDING UNIT - TALLASSEE, AL

Note: When conducting data analysis on this trial, it was noted that percent lodging and crown rust ratings were correlated.

TABLE 20 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day-Month	Crown Rust 5/12/2022 (0-10)	Leaf Blotch 5/12/2022 (0-10)	Barley Yellow Dwarf 5/12/2022 (% of plot)
Horizon 214	76	30.9	49	30	18-Apr	3.3	2.0	50
Horizon 306	70	28.8	51	10	16-Apr	0.0	2.7	50
FL13088-3	49	23.3	43	0	11-Apr	0.0	3.0	53
FL13057-4	49	23.7	50	3	9-Apr	0.0	3.7	53
FL13097-1	44	21.3	52	7	9-Apr	0.7	3.3	57
LA14105SBSBS56-1	38	22.8	50	45	16-Apr	3.3	2.7	50
Sweet Caroline	29	22.3	58	73	18-Apr	2.7	2.7	53
FL1035-2	27	20.8	51	3	11-Apr	0.7	3.3	53
Horizon 720	24	16.3	54	72	16-Apr	2.7	3.0	40
Average	45	23.3	51	27	13-Apr	1.5	2.9	51
LSD @ 10%	16	N.S.	N.S.	25	6 days	0.9	N.S.	N.S.
CV	44	26	13	118	5	103	25	21
Model R-Square	0.79	0.54	0.60	0.81	0.57	0.90	0.51	0.49

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

BARLEY

E.V. SMITH RESEARCH AND EXTENSION CENTER PLANT BREEDING UNIT - TALLASSEE, AL

Disease data was not taken on plots that received 50% or more freeze damage.

TABLE 21 – LOCATION-SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day- Month	Freeze Damage %	Spot Blotch 5/12/2022 (0-10)	Smut 5/12/2022 (# heads)	Barley Yellow Dwarf 5/12/2022 (% of plot)
Secretariat	82	38.9	34	35	14-Apr	0	4.3	0.0	70
Thoroughbred	60	38.1	38	17	14-Apr	0	6.0	0.0	65
VA15H-73	52	51.4	45	13	14-Apr	7	6.3	0.0	60
OM21010	48	35.7	36	13	14-Apr	0	5.0	0.0	60
VA16M-84	47	43.6	45	10	14-Apr	0	5.3	0.0	67
Nomini	46	33.0	42	37	14-Apr	0	5.5	0.0	80
Amaze 10	45	46.3	35	63	14-Apr	0	4.7	0.0	53
Marouetta	41	33.9	40	12	14-Apr	10	5.0	0.0	57
KWS Fantex	40	32.5	29	47	7-Apr	40	4.0	2.5	70
Flavia	39	32.1	35	13	21-Apr	0	6.0	0.0	63
VA16BFHB-268 NA	38	34.4	45	13	14-Apr	7	5.3	0.0	72
Barbarella	35	34.9	28	80	7-Apr	33	6.0	1.3	70
KWS Jessie	35	33.2	29	88	7-Apr	35	6.0	2.7	70
Alba	33	32.5	35	7	25-Apr	0	7.0	6.0	65
Avalon	33	41.2	42	22	14-Apr	20	5.5	0.0	63
Sangria	31	33.3	32	70	7-Apr	10	5.3	4.7	80
14HV541	31	33.0	34	8	14-Apr	82		0.0	
14HV760	28	25.3	47	37	14-Apr	72		0.0	
OM21515	27	33.5	37	17	14-Apr	17	5.0	0.0	70
KWS Willis	27	34.7	34	47	7-Apr	5	5.5	3.3	75
Verdant	27	32.8	41	10	14-Apr	80		0.0	
OM-140088	26	32.8	37	30	16-Apr	0	5.7	0.0	67
Hirondella	23	31.4	35	3	14-Apr	0	6.7	0.0	72
OM21969	21	37.3	37	50	7-Apr	37	5.0	0.0	63
14HV797	21	28.5	41	13	28-Apr	47	5.0	3.0	70
14HV026	20	25.7	34	7	2-Apr	67		2.3	
14HV789	20	30.8	35	0	28-Apr	73		0.0	
Hoody	18	34.9	38	17	9-Apr	83		0.0	
Lavina	17	30.7	33	50	2-Apr	92		5.3	
14HV027	10	27.2	42	15	4-Apr	90		0.0	
Full Pint	10	28.8	26	98	7-Apr	100		0.0	
14HV029	9	30.7	33	83	31-Mar	95		0.0	
Haybet	9	35.8	39	23	2-Apr	92		0.0	
Half Pint	8	32.1	24	92	7-Apr	100		0.0	
14HV028	6	32.2	37	90	31-Mar	98		0.0	
OM21115	5	25.4	38	85	23-Apr	93		0.0	

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Lodging %	Head Date Day- Month	Freeze Damage %	Spot Blotch 5/12/2022 (0-10)	Smut 5/12/2022 (# heads)	Barley Yellow Dwarf 5/12/2022 (% of plot)
OM-L	2	21.7	33	100	25-Apr	93		0.0	
Average	29	33.5	36	38	12-Apr	43	5.5	0.8	1
LSD @ 10%	13	3.6	5	15	3 days	19	1.7	2.7	N.S.
CV	66	17	16	87	7	94	20	271	15
Model R-Square	0.83	0.87	0.79	0.93	0.95	0.92	0.64	0.53	0.55

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 22 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
AgriMAXX 481	60	49.9	35	8-Apr
USG 3783	60	51.7	38	15-Apr
AgriMAXX 492	59	52.1	36	8-Apr
AGS 4043	58	50.1	36	12-Apr
Dyna-Gro Riverland	58	50.2	40	1-Apr
#CHAD	56	48.3	35	8-Apr
AGS 3022	55	49.2	36	1-Apr
Liberty 5658	55	50.3	37	8-Apr
Dyna-Gro Plantation	55	44.9	33	7-Apr
Go Wheat LA754	55	45.7	36	8-Apr
AgriMAXX 514	53	50.3	38	15-Apr
GA 11052-19LE15	53	51.7	38	12-Apr
AGS 4023	53	50.8	36	8-Apr
GP 348	53	48.1	36	8-Apr
USG 3640	53	52.4	37	1-Apr
USG 3472	53	48.6	37	15-Apr
Go Wheat 6000	53	49.9	35	8-Apr
DG WX20738	53	50.8	37	12-Apr
REVERE 2026	53	45.8	37	8-Apr
Dyna-Gro 9393	52	51.2	35	14-Apr
GA 121012-19LE8	52	47.7	40	8-Apr
Progeny 19-12	51	49.7	36	15-Apr
KWS419	51	50.1	38	15-Apr
GA 111055-19LE12	50	47.2	35	15-Apr
FL15105-LDH039	50	52.3	37	5-Apr
GP 747	49	45.3	39	15-Apr
USG 3752	49	50.7	37	1-Apr
GA 151313-LDH224-19E38	49	50.5	36	8-Apr
#BULLET	49	49.5	41	15-Apr
AGS 2055	48	50.3	36	12-Apr
AGS 2021	48	51.2	37	1-Apr
GP 381	48	51.1	37	12-Apr
#BUSTER	47	47.2	37	15-Apr
AGS 2024	47	50.9	36	12-Apr
AGS 3026	46	51.6	39	12-Apr
KWS394	45	47.5	34	15-Apr
AGS 3015	45	52.5	38	5-Apr
Dyna-Gro Blanton	45	51.7	37	1-Apr

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
SY Viper	45	51.0	34	15-Apr
REVERE 2266	45	47.7	36	15-Apr
VA17W-75	45	51.0	35	5-Apr
KWS411	45	51.0	34	13-Apr
#TURBO	45	49.2	35	8-Apr
LA15203-LDH112	45	49.3	38	12-Apr
FL16045LDH-25	45	52.0	36	8-Apr
Go Wheat 2032	44	49.8	36	1-Apr
FL16009LDH-16	44	47.1	35	5-Apr
Dyna-Gro Rutledge	44	52.7	38	7-Apr
USG 3352	42	51.9	36	15-Apr
LA15203-LDH274	41	50.4	37	1-Apr
Average	50	49.8	37	9-Apr
LSD @ 10%	6	3.8	2.4	1 day
CV	12	7	6	5
Model R-Square	0.64	0.56	0.54	1.0

Bolded yields are NOT statistically different from the highest yielding entry.

[Table of Contents](#)

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

OAT

PRATTVILLE AGRICULTURAL RESEARCH UNIT

PRATTVILLE, AL

TABLE 23 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
Horizon 214	60	27.4	46	8-Apr
Sweet Caroline	52	26.6	48	13-Apr
LA14105SBSBS56-1	51	25.2	48	5-Apr
Horizon 720	50	27.0	50	8-Apr
FL13088-3	39	24.0	48	1-Apr
FL13097-1	38	23.0	48	28-Mar
Horizon 306	37	24.4	47	8-Apr
FL1035-2	35	23.2	49	28-Mar
FL13057-4	35	22.8	48	28-Mar
Average	44	24.8	48	3-Apr
LSD @ 10%	10	2.7	N.S.	1 day
CV	24	9	4	6
Model R-Square	0.71	0.57	0.28	1

Bolded yields are NOT statistically different from the highest yielding entry.

[Table of Contents](#)

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

WHEAT
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 24 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
DG WX20738	90	55.7	35	23-Apr
Progeny 19-12	88	55.4	34	27-Apr
#CHAD	87	53.8	29	20-Apr
AgriMAXX 514	87	55.2	35	26-Apr
Dyna-Gro Blanton	85	56.0	33	20-Apr
SY Viper	85	54.3	39	22-Apr
REVERE 2266	84	56.0	34	26-Apr
GP 348	84	58.0	33	22-Apr
Dyna-Gro 9393	84	56.7	32	25-Apr
Go Wheat 2032	84	58.0	36	20-Apr
GA 151313-LDH224-19E38	84	57.3	35	20-Apr
USG 3352	83	57.0	36	28-Apr
VA17W-75	83	56.3	32	20-Apr
Dyna-Gro 9811	83	56.1	36	24-Apr
AgriMAXX 492	82	57.5	34	22-Apr
Liberty 5658	82	56.8	37	20-Apr
Dyna-Gro 9120	82	58.3	36	25-Apr
GP 747	82	54.2	34	27-Apr
KWS411	82	58.1	32	25-Apr
Go Wheat LA754	81	53.6	37	20-Apr
Dyna-Gro Plantation	81	58.4	34	20-Apr
AgriMAXX 503	81	56.7	35	27-Apr
AgriMAXX EXP 2105	81	57.2	35	28-Apr
USG 3783	81	57.3	34	25-Apr
#BULLET	81	57.7	37	26-Apr
Dyna-Gro Rutledge	81	56.1	34	20-Apr
GA 121012-19LE8	81	57.8	40	22-Apr
LA15203-LDH274	81	56.7	34	20-Apr
GA 11052-19LE15	81	59.3	34	24-Apr
#BUSTER	80	56.4	36	24-Apr
AGS 3026	80	57.4	35	25-Apr
AGS 2055	80	56.6	40	25-Apr
KWS419	80	58.3	37	25-Apr
AGS 3040	79	57.3	38	20-Apr
AGS 2024	79	56.3	36	20-Apr
AGS 2021	79	58.5	37	20-Apr
AGS 4043	79	57.4	33	20-Apr
Dyna-Gro Riverland	78	57.8	34	20-Apr
GP 381	78	55.2	32	22-Apr
USG 3752	78	57.3	34	20-Apr

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
USG 3640	77	57.9	37	20-Apr
AGS 3015	77	57.8	35	20-Apr
GA 111055-19LE12	77	57.9	37	22-Apr
LA15203-LDH112	77	57.9	36	24-Apr
Dyna-Gro 9172	76	57.3	34	26-Apr
KWS394	76	54.8	31	25-Apr
Go Wheat 6000	76	57.8	35	22-Apr
FL16009LDH-16	76	55.9	37	20-Apr
FL16045LDH-25	76	59.5	36	20-Apr
USG 3472	76	57.1	35	27-Apr
AgriMAXX 513	75	58.2	36	25-Apr
AGS 3022	74	57.6	32	20-Apr
#TURBO	74	56.6	35	20-Apr
FL15105-LDH039	74	58.8	35	20-Apr
REVERE 2169	72	56.4	35	27-Apr
AGS 4023	69	58.4	35	20-Apr
Average	80	57.0	35	22-Apr
LSD @ 10%	5	1.7	2	1 day
CV	6	8	7	3
Model R-Square	0.70	0.62	0.81	0.95

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

High amounts of rainfall prior to harvest caused excessive lodging. This lodging prevented the TVREC oat trial from being harvested.

TABLE 25 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
Horizon 214	136	31.4	30	29-Apr
FL13097-1	129	33.8	35	25-Apr
LA14105SBSBS56-1	126	32.5	39	27-Apr
FL13088-3	104	30.3	31	27-Apr
FL1035-2	95	32.2	38	25-Apr
FL13057-4	90	32.9	37	27-Apr
Average	113	32.2	35	26-Apr
LSD @ 10%	6	N.S.	3	1 day
CV	17	5	11	1
Model R-Square	0.97	0.62	0.86	1

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

BARLEY

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 26 – LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
Marouetta	94	42.0	30	18-Apr
Thoroughbred	92	42.7	30	17-Apr
Secretariat	89	44.0	27	14-Apr
14HV760	82	38.5	36	24-Apr
14HV541	76	38.2	27	17-Apr
KWS Jessie	75	41.7	20	18-Apr
Nomini	74	44.1	33	11-Apr
VA16BFHB-268 NA	73	44.6	38	12-Apr
Flavia	70	42.1	24	25-Apr
KWS Willis	70	42.1	23	19-Apr
Hirondella	69	40.8	27	19-Apr
Avalon	69	44.8	34	17-Apr
Alba	68	44.9	28	26-Apr
OM21969	67	42.3	27	15-Apr
Amaze 10	66	55.7	30	21-Apr
OM21010	64	38.4	25	18-Apr
14HV797	64	36.1	31	29-Apr
Barbarella	63	43.4	20	17-Apr
KWS Fantex	63	43.0	20	18-Apr
OM21115	60	41.6	32	25-Apr
VA16M-84	59	45.8	33	18-Apr
Verdant	56	34.9	34	20-Apr
Sangria	55	42.4	20	18-Apr
OM21515	54	41.1	26	22-Apr
Half Pint	54	42.0	16	17-Apr
Haybet	52	42.6	27	11-Apr
Full Pint	52	40.2	18	17-Apr
VA15H-73	51	54.2	35	21-Apr
14HV029	51	42.0	28	11-Apr
14HV789	49	39.7	25	29-Apr
Lavina	48	41.8	26	16-Apr
14HV026	46	37.5	30	12-Apr
Hoody	37	36.6	35	23-Apr
OM-140088	36	36.6	27	20-Apr

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
14HV028	35	44.4	29	12-Apr
14HV027	34	36.2	32	11-Apr
OM-L	31	42.0	26	25-Apr
Average	61	41.9	28	18-Apr
LSD @ 10%	8	2.5	2	2 days
CV	27	11	20	5
Model R-Square	0.92	0.88	0.95	0.96

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

TRITICALE
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 27 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Height inches	Head Date Day-Month
TriCal 342	76	49.3	44	15-Apr
TriCal 1143	73	49.2	46	15-Apr
TriCal 344	60	48.8	37	18-Apr
Average	70	49.1	42	16-Apr
LSD @ 10%	6	N.S.	3	1 day
CV	11	1	10	1
Model R-Square	0.91	0.48	0.91	1

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 28 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Head Date Day-Month
Dyna-Gro Plantation	67	20-Apr
Go Wheat 2032	67	22-Apr
AGS 2024	67	23-Apr
Dyna-Gro Blanton	66	22-Apr
USG 3783	65	27-Apr
Dyna-Gro Rutledge	65	21-Apr
AGS 2021	62	20-Apr
AGS 3015	62	20-Apr
DG WX20738	61	25-Apr
USG 3352	61	30-Apr
USG 3640	60	21-Apr
LA15203-LDH274	59	20-Apr
Dyna-Gro 9120	59	25-Apr
Liberty 5658	59	22-Apr
USG 3752	58	22-Apr
GA 151313-LDH224-19E38	57	24-Apr
AgriMAXX 514	57	27-Apr
GA 11052-19LE15	57	25-Apr
GA 121012-19LE8	56	26-Apr
Go Wheat LA754	56	21-Apr
Dyna-Gro 9811	56	24-Apr
AgriMAXX 492	55	23-Apr
AGS 3022	55	19-Apr
AGS 2055	55	24-Apr
Dyna-Gro Riverland	55	21-Apr
AGS 3026	55	24-Apr
FL16009LDH-16	55	22-Apr
KWS419	55	27-Apr
Progeny 19-12	55	27-Apr
VA17W-75	55	22-Apr
#BULLET	54	26-Apr
USG 3472	54	27-Apr
AgriMAXX EXP 2105	54	30-Apr
#CHAD	53	24-Apr
Dyna-Gro 9393	53	26-Apr
#TURBO	52	22-Apr
SY Viper	52	23-Apr
AGS 3040	52	23-Apr
AGS 4043	52	23-Apr
Go Wheat 6000	52	24-Apr

Variety	Yield bushels per acre	Head Date Day-Month
AGS 4023	52	24-Apr
LA15203-LDH112	51	25-Apr
FL16045LDH-25	51	21-Apr
AgriMAXX 503	51	29-Apr
KWS411	50	25-Apr
Dyna-Gro 9172	50	28-Apr
GA 111055-19LE12	50	24-Apr
GP 348	50	22-Apr
KWS394	50	27-Apr
FL15105-LDH039	49	20-Apr
REVERE 2266	49	28-Apr
REVERE 2169	48	28-Apr
GP 381	47	24-Apr
GP 747	47	27-Apr
#BUSTER	46	26-Apr
AgriMAXX 513	45	26-Apr
Average	55	24-Apr
LSD @ 10%	10	1 day
CV	18	2
Model R-Square	0.62	0.93

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 30 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Head Date Day-Month
Horizon 214	100	25-Apr
FL13097-1	79	22-Apr
LA14105SBSBS56-1	75	25-Apr
FL13088-3	68	21-Apr
FL13057-4	66	21-Apr
FL1035-2	58	20-Apr
Average	74	22-Apr
LSD @ 10%	15	1 day
CV	22	2
Model R-Square	0.78	0.97

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

TRITICALE
SAND MOUNTAIN RESEARCH AND EXTENSION CENTER
CROSSVILLE, AL

TABLE 29 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Head Date Day-Month
TriCal 1143	63	18-Apr
TriCal 342	56	19-Apr
TriCal 344	48	19-Apr
Average	55	18-Apr
LSD @ 10%	N.S.	N.S.
CV	16	1
Model R-Square	0.69	0.56

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

WHEAT DISEASE SCREENING
BREWTON AGRICULTURAL RESEARCH UNIT
BREWTON, AL

TABLE 31 - LOCATION SPECIFIC DATA

Variety	Yield bushels per acre	Test Weight pounds per bushel	Leaf Rust (0-10) 4/20/2022	Leaf Rust (0-10) 5/20/2022	Tan Spot (0-10) 4/20/2022	Tan Spot (0-10) 5/5/2022	Barley Yellow Dwarf % 4/20/2022	Barley Yellow Dwarf % 5/5/2022
Dyna-Gro Riverland	96	60.1	0.0	0.0	2.0	4.0	12	52
FL16009LDH-16	94	53.6	0.0	0.0	2.0	3.7	8	63
Dyna-Gro Plantation	91	60.0	0.0	1.3	2.0	4.0	8	47
AgriMAXX 481	89	59.9	0.0	0.0	2.0	3.7	8	60
USG 3640	89	58.7	0.0	1.3	2.0	4.3	13	47
AGS 2055	88	54.7	0.0	0.0	2.0	4.7	12	53
LA15203-LDH274	86	57.6	0.0	0.0	2.3	4.0	33	63
DG WX20738	84	55.4	0.0	4.3	2.0	3.3	13	45
AGS 3022	84	59.0	0.0	0.0	2.0	4.3	13	53
AGS 3040	83	56.3	1.0	4.0	2.0	3.7	13	48
GA 111055-19LE12	83	55.8	0.0	1.0	2.0	4.3	12	40
Dyna-Gro Rutledge	83	58.3	0.0	0.0	2.0	5.0	22	53
Dyna-Gro Blanton	80	58.6	0.0	0.0	2.0	4.3	5	47
#TURBO	79	56.1	1.3	1.0	2.0	2.7	8	50
VA17W-75	79	59.0	0.0	0.0	2.3	4.0	30	70
REVERE 2026	79	57.9	0.0	1.0	2.0	4.7	12	65
AGS 2021	78	60.1	0.0	1.7	2.0	4.7	10	62
USG 3752	77	58.2	0.0	0.0	2.0	4.0	10	55
Go Wheat 2032	77	58.8	0.0	0.0	2.0	4.7	15	47
Liberty 5658	75	57.9	0.0	1.0	2.0	4.7	37	60
AgriMAXX 492	74	57.6	0.0	0.0	2.0	4.7	15	67
AGS 4043	73	58.0	0.0	0.0	2.0	3.7	15	50
Progeny 19-12	72	52.7	2.3	1.7	2.7	3.7	10	47
AGS 3015	71	55.9	0.0	0.3	2.0	4.7	22	57
Go Wheat 6000	70	55.5	0.0	1.3	2.0	4.7	23	60
#BUSTER	70	56.9	1.7	4.0	2.0	4.3	17	60
#CHAD	70	56.4	0.0	0.0	2.0	2.7	18	35
FL15105-LDH039	70	59.6	0.0	0.7	2.0	4.0	27	33
GP 381	70	54.4	1.0	4.3	2.0	4.0	10	45
GA 121012-19LE8	69	57.6	0.0	0.0	2.3	4.7	10	43
USG 3783	69	54.0	0.0	5.3	2.0	4.0	12	37
FL16045LDH-25	67	59.0	0.0	0.0	2.3	4.0	17	67
Dyna-Gro 9811	67	53.6	1.3	1.3	2.0	3.7	8	38
LA15203-LDH112	64	54.5	0.0	1.3	1.7	3.7	15	60
AGS 2024	64	57.6	0.7	1.0	2.0	4.3	12	52
GA 151313-LDH224-19E38	63	58.5	0.0	0.0	2.0	5.0	23	53
AGS 3026	63	58.5	0.0	0.0	1.3	4.0	30	47
AGS 4023	61	57.3	0.0	0.0	2.0	4.3	7	63
Go Wheat LA754	60	53.6	0.0	0.0	2.3	4.7	10	70
GA 11052-19LE15	59	53.4	0.0	3.7	2.0	3.3	17	37
USG 3472	59	53.8	3.5	6.3	2.3	3.3	12	40
Dyna-Gro 9393	59	53.3	2.7	2.7	2.0	3.3	12	47
REVERE 2169	58	53.9	2.0	4.7	2.0	2.7	10	53
Dyna-Gro 9172	57	52.2	2.3	6.0	2.0	2.3	7	18

Variety	Yield bushels per acre	Test Weight pounds per bushel	Leaf Rust (0-10) 4/20/2022	Leaf Rust (0-10) 5/20/2022	Tan Spot (0-10) 4/20/2022	Tan Spot (0-10) 5/5/2022	Barley Yellow Dwarf % 4/20/2022	Barley Yellow Dwarf % 5/5/2022
AgriMAXX 514	57	52.6	1.7	2.3	2.7	4.0	12	57
GP 348	55	55.8	0.0	1.0	2.3	4.0	17	68
#BULLET	55	52.1	0.3	1.3	1.8	3.7	10	50
SY Viper	53	50.7	4.7	2.3	2.0	3.3	12	70
KWS419	50	52.0	0.0	6.3	2.0	3.3	18	37
Dyna-Gro 9120	49	54.0	2.7	5.3	3.0	3.0	15	37
KWS411	46	51.6	5.0	1.3	2.0	4.3	15	52
AgriMAXX 513	38	49.2	1.7	3.7	2.3	2.7	15	22
GP 747	33	47.4	3.0	3.3	2.3	4.0	17	40
KWS394	28	45.7	3.7	7.3	2.0	3.3	8	27
REVERE 2266	27	41.8	3.7	6.3	2.0	3.3	15	40
AgriMAXX 503	24	44.8	3.3	5.7	2.0	3.0	42	47
AgriMAXX EXP 2105	22	45.5	2.3	6.7	3.0	3.0	12	35
USG 3352	21	47.6	0.7	5.0	2.7	2.7	15	23
Average	66	54.9	0.9	2.1	2.1	3.9	15	49
LSD @ 10%	16	2.9	1.4	2.1	0.5	1.2	12	20
CV	32	8	178	125	19	26	70	35
Model R-Square	0.79	0.86	0.74	0.77	0.50	0.48	0.53	0.53

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

OAT DISEASE SCREENING

BREWTON AGRICULTURAL RESEARCH UNIT BREWTON, AL

TABLE 32 - LOCATION SPECIFIC DATA

This trial was NOT sprayed with a fungicide to conduct disease evaluations. Overall, this trial yielded higher than the OVT, which WAS treated with fungicide. It should be noted that the OVT had significantly worse lodging, which could have negatively affected harvest yields.

Variety	Yield bushels per acre	Test Weight pounds per bushel	Crown Rust (0-10) 4/20/2022	Crown Rust (0-10) 5/20/2022	Leaf Blotch (0-10) 4/20/2022	Leaf Blotch (0-10) 5/5/2022	Barley Yellow Dwarf % 4/20/2022	Barley Yellow Dwarf % 5/5/2022
FL13088-3	123	31.6	1.7	2.0	1.3	4.7	8	50
FL1035-2	118	37.3	0.3	1.0	1.3	4.0	33	67
Horizon 306	117	37.1	2.3	4.0	1.3	3.7	7	38
FL13057-4	112	37.2	0.0	3.0	1.0	3.7	65	60
FL13097-1	103	33.8	0.0	0.7	2.0	4.0	28	60
Horizon 720	95	34.3	2.7	3.7	1.0	4.7	18	50
Sweet Caroline	90	31.8	2.7	4.3	1.3	5.0	13	50
LA14105SBSBS56-1	67	32.9	1.3	2.0	1.7	4.0	10	43
Horizon 214	59	28.6	3.7	1.3	1.3	5.0	8	53
Average	98	33.9	1.6	2.4	1.4	4.3	21	52
LSD @ 10%	21	2.4	1.1	N.S.	N.S.	0.7	12	N.S.
CV	28	10	87	84	41	16	92	27
Model R-Square	0.81	0.84	0.82	0.46	0.45	0.68	0.88	0.48

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)

TRITICALE DISEASE SCREENING

BREWTON AGRICULTURAL RESEARCH UNIT BREWTON, AL

TABLE 33 - LOCATION SPECIFIC DATA

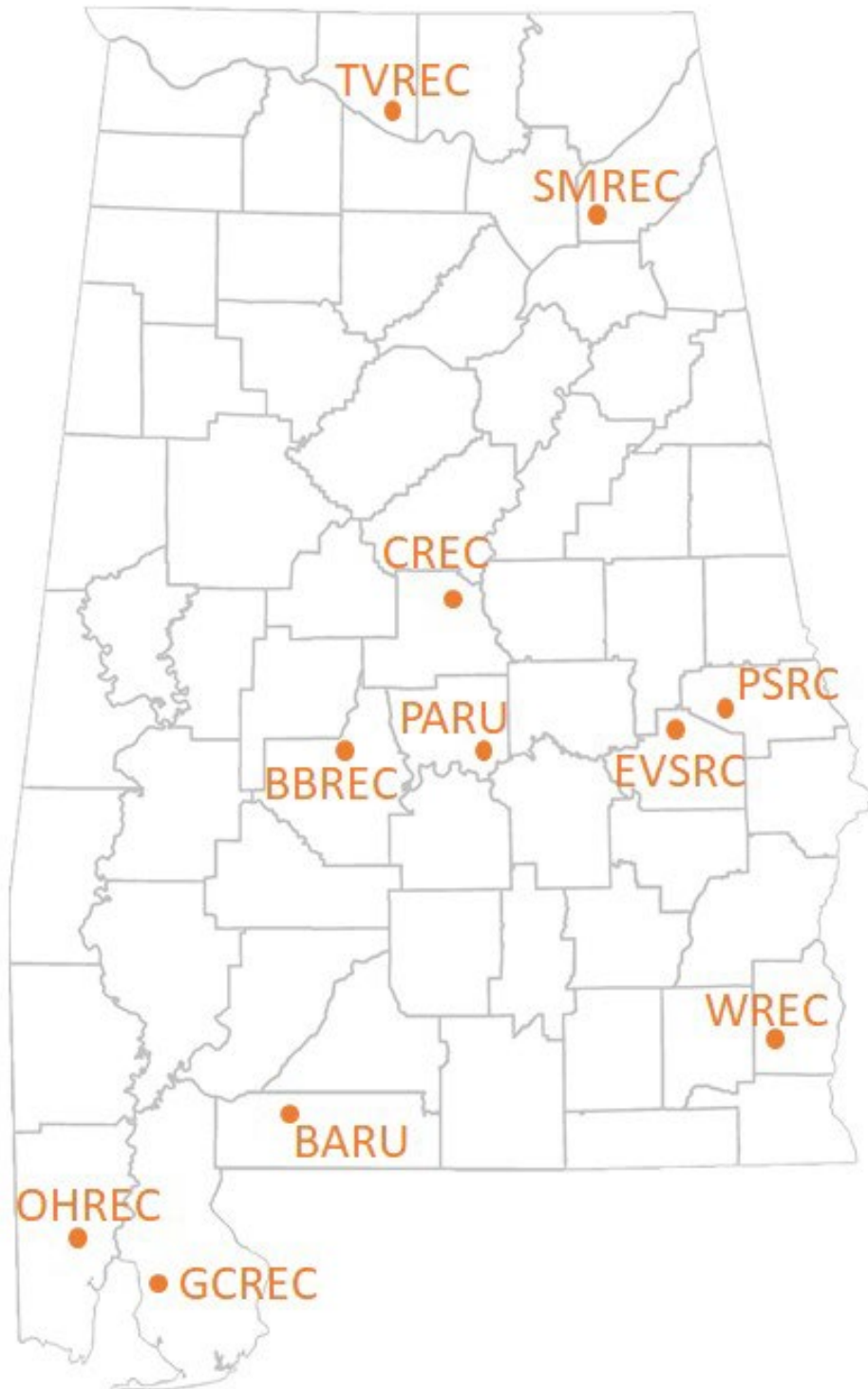
Variety	Yield bushels per acre	Test Weight pounds per bushel	Leaf Rust (0-10) 4/20/2022	Leaf Rust (0-10) 5/20/2022	Tan Spot (0-10) 4/20/2022	Tan Spot (0-10) 5/5/2022	Barley Yellow Dwarf % 4/20/2022	Barley Yellow Dwarf % 5/5/2022
TriCal 342	111	49.8	0.7	0.0	2.7	1.7	28	60
TriCal 344	86	50.4	1.0	4.3	2.0	4.7	38	73
TriCal 1143	79	49.7	2.3	4.7	2.0	4.3	33	73
Average	92	50.0	1.3	3.0	2.2	3.6	33.3	68.9
LSD @ 10%	N.S.	N.S.	N.S.	1.0	N.S.	N.S.	N.S.	N.S.
CV	6	20	106	76	20	58	65	13
Model R-Square	0.76	0.19	0.42	0.97	0.71	0.64	0.45	0.65

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

[Table of Contents](#)



CONTACT

HENRY JORDAN, VARIETY TESTING MANAGER,
CROP, SOIL & ENVIRONMENTAL SCIENCES
201 FUNCHESS HALL, AUBURN UNIVERSITY, 36849
MOBILE 770-468-0478 • HENRYJ@AUBURN.EDU
[AUBURN UNIVERSITY VARIETY TESTING WEBSITE](#)