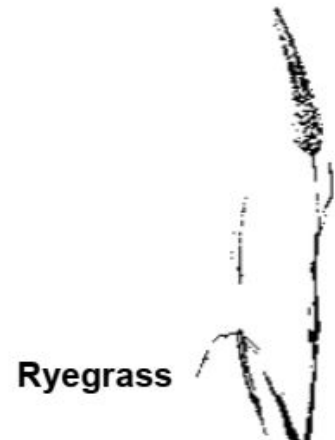
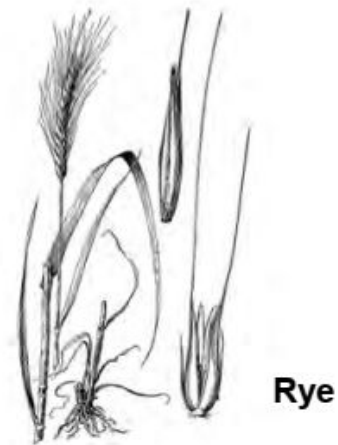


Georgia

2022-2023 Winter Grain and Forage Performance Tests

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Authors



ACKNOWLEDGMENT

This work is supported by NIA grant no. GEO00824/project accession no. 1011690 from the USDA National Institute of Food and Agriculture. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

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Georgia

2022-2023 Winter Grain and Forage Performance Tests

Variety Recommendations for Winter 2023-2024

Grain Test Results

North Georgia Summary: Wheat Grain Performance, Georgia, 2022-2023

South Georgia Summary: Wheat Grain Performance, Georgia, 2022-2023

Rome, Georgia: Wheat Grain Performance, 2022-2023

Griffin, Georgia: Wheat Grain Performance, 2022-2023

Plains, Georgia: Wheat Grain Performance, 2022-2023

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2022-2023

Midville, Georgia: Wheat Grain Performance, 2022-2023

Tifton, Georgia: Wheat Grain Performance, 2022-2023

Griffin and Plains, Georgia: Hessian Fly Susceptibility Ratings, 2022-2023

Statewide Yield Summary: Oat Grain Performance, Georgia, 2022-2023

Rome, Georgia: Oat Grain Performance, 2022-2023

Griffin, Georgia: Oat Grain Performance, 2022-2023

Plains, Georgia: Oat Grain Performance, 2022-2023

Midville, Georgia: Oat Grain Performance, 2022-2023

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Citra, Florida: Oat Disease Susceptibility Ratings, 2022-2023

Triticale Evaluation

Quincy, Florida: Triticale Grain Performance, 2022-2023

Forage Test Results

Forage Yield Summary: Oat, Wheat, Triticale, Rye and Ryegrass, 2022-2023

Rome, Georgia: Ryegrass Forage Performance, 2022-2023

Griffin, Georgia: Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023

Plains, Georgia: Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023

Tifton, Georgia: Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023

Marianna, Florida: Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023

Seed Sources for the 2022-2023 Winter Performance Tests

Cooperators, Contributors and Authors

Recommended Grain Varieties for Winter 2023-2024

Barley

Atlantic (P)	Secretariat (S)	Thoroughbred (S)
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Triticale

Trical 342 (S)	TriCal 1143 (C) ^{2,3}
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Oat

Graham (S) ²	Horizon 578 (S)	Horizon 720 (C) ²
Horizon 306 (S) ²		

Wheat

AP 1983 (S)	AM 516 (P)	Johnson (S) ²
AGS 2021 (S) ³	Dyna-Gro 9002 (P)	*LW2026 (C)
AGS 2024 (S) ^{2,3}	*Dyna-Gro 9701 (P) ²	Pioneer 26R45 (P)
AGS 3015 (S) ³	Dyna-Gro 9811 (P) ³	SH 9310 (C)
AGS 3022 (S)	Dyna-Gro 9120 (P)	USG 3329 (P) ²
AGS 3026 (S) ³	Dyna-Gro 9172 (P)	USG 3352 (P) ³
AGS 3040 (S)	Dyna-Gro Blanton (S)	USG 3472 (P)
AGS 4023 (S)	Dyna-Gro Plantation (S)	USG 3640 (S)
AGS 4043 (S)	Dyna-Gro Riverland (C) ³	USG 3752 (S) ³
AM 481 (C)	*Dyna-Gro Rutledge (C)	*#BULLET (P)
AM 513 (P) ³	*Go Wheat 2032 (S) ²	#TURBO (P) ³

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

2. Consider using a labeled fungicide; highly susceptible to powdery mildew, leaf rust, stripe rust, or crown rust.

3. Susceptible to some Hessian fly. A neo-nicotinoid seed treatment is recommended for Hessian fly in the Coastal Plains, and for suppression of aphids and barley yellow dwarf disease statewide.

4. Consider using a labeled fungicide appropriate for Fusarium head blight.

* To be dropped from list for 2024-25.

Recommended Forage Varieties for Winter 2023-2024

In order to better match forage production with consumption needs, blends of species or varieties are frequently used. The recommendations below identify varieties shown to produce above-average yields when planted within the recommended time period for their species and geographic area. Columns identifying "Early" yield represent forage growth from planting to March 1. "Late" columns represent production from March 1 until regrowth was of too low quality to justify further harvest. "Season" columns represent varieties with the highest total season yields, which may be of most interest to those who intend a single end-of-season harvest for hay or ensiling or will be supplementing feed during lower forage growth periods. The "Florida" recommendation includes the southernmost tier of GA counties, and north

		Florida			Coastal Plain			Piedmont			Limestone Valley		
		Early	Late	Season	Early	Late	Season	Early	Late	Season	Early	Late	Season
Ryegrass													
DLF Pickseed	Diamond T	Yes	.	.	Yes	.	.	Yes	Yes	Yes	.	Yes	Yes
DLF Pickseed	Double Diamond	Yes	Yes	Yes	Yes	.	Yes	.	Yes	.	.	.	.
DLF Pickseed	Flying A	.	.	.	Yes	Yes	Yes	Yes	.	Yes	Yes	Yes	Yes
DLF Pickseed	TAMTBO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	.	.	.	Yes	.
DLF Pickseed	Triangle T	Yes	.	.	Yes	.	Yes	Yes	Yes	Yes	.	.	.
DLF Pickseed	Winterhawk	.	.	.	Yes	Yes	Yes	Yes	.	.	.	Yes	.
Lewis Seed	Grits	Yes	.	Yes	Yes	Yes	Yes	Yes	.	Yes	Yes	Yes	Yes
MVS	Centurion	.	.	.	Yes	.	Yes	.	.	.	Yes	.	Yes
MVS	Ranahan	.	Yes	.	.	Yes	.	.	Yes	Yes	.	.	.
Ragan & Massey	Earlyploid	Yes	.	Yes	Yes	Yes	Yes	Yes	.	Yes	Yes	.	.
Ragan & Massey	Prine	Yes	Yes	Yes	Yes	Yes	Yes	.	Yes	Yes	.	.	.
Ragan & Massey	RM4L	Yes	Yes	Yes	Yes	.	.	.	Yes	Yes	Yes	.	.
Wax Seed	ME-4	.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wax Seed	ME-94	.	Yes	Yes	.	.	.	Yes	Yes	Yes	Yes	Yes	Yes
Wax Seed	Nelson Tetraploid	.	Yes	Yes	Yes	.	Yes	.	.	.	.	.	.
Wax Seed	Wax Marshall	.	.	.	.	.	.	.	Yes	.	.	Yes	.
Wax Seed	WMWL	.	Yes	.	.	.	.	.	Yes	.	.	Yes	Yes
Wax Seed	WMWL-2	.	Yes	Yes	.	.	.	Yes	.	.	Yes	Yes	Yes

Oats

Mixon Seed	*Horizon 214	.	.	.	.	.	.	.	Yes	Yes
Mixon Seed	*Horizon 306	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mixon Seed	*Horizon 720	Yes	.	.	Yes	.	.	Yes	.	.

*NF402, *Legend 567, and *LA99016 have performed well in the past, but not been recently evaluated.

*All oat varieties listed above are susceptible to crown rust. Avoid planting outside recommended window.

Rye

GSDC	Wrens Abruzzi	Yes	.	Yes	Yes	.	Yes	Yes	.	Yes
Kelly Seed	Kelly Grazer III	.	Yes	Yes	Yes	Yes	Yes	.	Yes	Yes
KWS Cereals	Aviator	.	Yes	.	.	.	.	.	Yes	.
TriCal Superior	Swift	Yes	Yes	Yes	Yes	Yes	Yes	Yes	.	Yes

Bates RS4, Elbon, and FL 401 have performed well in the past, but not been recently evaluated.

Triticale

TriCal Superior	342	Yes	.	.	Yes	.	.	Yes	.	.
TriCal Superior	1143	Yes	.	.	.	.	.	Yes	.	.
TriCal Superior	Hybrid Flex	.	Yes	Yes	.	Yes	Yes	Yes	Yes	Yes
TriCal Superior	Surge	.	Yes	Yes	Yes	Yes	Yes	.	Yes	Yes

Trical Merlin Max has performed well in the past, but not been recently evaluated.

Wheat

ForageXtreme	SSI30-06	.	Yes	.	.	Yes	.	.	Yes	Yes
Mixon Seed	AGS 2024	Yes	.	Yes	Yes	.	Yes	Yes	.	Yes
Mixon Seed	AGS 4023	.	Yes	Yes	.	.	.	.	.	.
Mixon Seed	AGS 4043	.	Yes	Yes	.	Yes	Yes	Yes	Yes	.
Ogletree	Johnson	.	.	.	.	.	.	Yes	Yes	Yes

Dyna-Gro Plantation, AGS 3026, *GrazeAll, *Pioneer 26R10 and *Pioneer 26R41 have performed well in the past, but not been recently evaluated.

*More susceptible to foliar disease. Avoid planting outside recommended window.

North Georgia Summary: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Location			Height in	Test Weight lb/bu	Head Date	
		Rome	Griffin	Overall Avg			Rome	Griffin
		----- bu/acre -----					mo/day	
Commercial Varieties								
Progeny	#BUSTER	127.7	87.7	107.7	38	57.9	04-16	04-14
Dyna-Gro	9811	112.1	101.8	107.0	41	58.8	04-15	04-05
Dyna-Gro	9120	118.8	92.4	105.6	40	59.6	04-14	04-14
Dyna-Gro	9172	116.3	90.5	103.4	39	57.4	04-14	04-14
AgriMAXX	AM 516	124.0	80.7	102.3	36	56.0	04-13	04-15
KWS Cereals	KWS495	108.1	95.9	102.0	33	56.5	04-14	04-12
UniSouth	USG 3352	112.9	79.6	99.2	40	56.8	04-14	04-16
Dyna-Gro	9701	102.9	94.3	98.6	41	56.0	04-11	04-15
Dyna-Gro	9481	109.2	84.5	96.8	37	57.4	04-16	04-10
Mixon Seed	AGS 3026	109.0	87.1	96.4	36	57.2	04-12	04-07
Mixon Seed	AGS 4043	95.4	96.3	95.8	31	56.6	04-16	03-31
Dyna-Gro	9290	95.5	95.9	95.7	36	55.7	04-16	04-06
UniSouth	USG 3472	107.8	80.3	94.1	40	53.7	04-13	04-15
AgriMAXX	AM 513	100.7	86.5	93.6	40	56.0	04-13	04-16
Dyna-Gro	9393	107.4	78.5	92.9	35	54.9	04-15	04-15
NCCIA	Hilliard	101.6	83.6	92.6	41	56.8	04-12	04-08
Progeny	#BINGO	103.0	82.1	92.6	37	55.0	04-15	04-16
KWS Cereals	KWS397	109.4	75.1	92.2	37	54.1	04-11	04-13
UniSouth	USG 3783	101.4	82.5	92.0	34	55.8	04-15	04-14
Mixon Seed	AGS 4023	86.9	96.7	91.8	36	56.5	04-13	04-06
AgriMAXX	AM 535	101.6	80.8	91.2	37	56.8	04-12	04-15
KWS Cereals	KWS459	97.7	82.5	90.1	34	54.6	04-14	04-11
Mixon Seed	AGS 2024	88.1	88.9	88.5	36	57.1	04-14	04-05
Stratton Seed	Go Wheat 6000	90.7	85.8	88.3	37	55.3	04-20	04-05
Mixon Seed	AGS 3015	88.3	87.4	87.9	38	54.6	04-16	03-27
Pioneer	26R59	99.3	78.9	87.6	35	54.7	04-12	04-13
Dyna-Gro	Blanton	88.6	86.3	87.4	37	56.0	04-15	04-03
Harvey's	AP 1983	95.2	81.6	87.4	38	56.7	04-14	03-30
Progeny	#CHAD	93.0	79.5	86.2	33	54.8	04-12	04-03
Progeny	#TURBO	90.1	80.9	85.5	35	56.6	04-16	04-07
Stratton Seed	Go Wheat 2032	84.8	85.6	85.2	36	54.1	04-14	03-30
Mixon Seed	AGS 3040	87.7	82.1	84.9	38	54.0	04-10	04-03
Dyna-Gro	9002	83.8	85.6	84.7	38	56.2	04-13	04-11
Ogletree	Johnson	90.5	78.5	84.5	36	53.0	04-15	04-02
Dyna-Gro	Riverland	80.9	79.9	80.4	39	53.9	04-15	03-30
Pioneer	26R45	79.4	81.3	80.3	37	51.7	04-13	04-15
Mixon Seed	AGS 2021	80.0	78.3	79.1	38	54.4	04-13	04-01
Mixon Seed	AGS 3022	66.5	88.2	77.4	35	50.9	04-14	03-28
NCCIA	NuEast (hard red)	91.9	54.0	72.9	39	53.5	04-12	04-14
Dyna-Gro	Plantation	63.9	78.8	72.4	36	50.3	04-17	03-29
KWS Cereals	KWS369	55.4	88.2	71.8	36	45.5	04-11	04-16
Stratton Seed	Go Wheat LA754	65.4	76.2	70.8	36	51.5	04-15	03-29
NCCIA	Appalachian White (hard white)	58.1	76.9	67.5	39	45.6	04-18	04-24
GSDC	GA Gore	54.0	67.8	60.9	37	45.3	04-13	03-28
KWS Cereals	KWS453	33.9	80.8	57.4	35	42.3	04-16	04-17
Average		91.7	84.7	87.3	35	53.3	04-14	04-06
LSD at 10% Level		13.7	11.3	11.8	7	6.3	3	2
Model R-squared		0.73	0.50	0.31	0.28	0.25	-	0.95
C.V.		16.4	14.6	21.1	21.4	18.4	0.0	0.0

Experimental varieties appear on next page.

North Georgia Summary: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Location			Height	Test Weight	Head Date	
		Rome	Griffin	Overall Avg			Rome	Griffin
		----- bu/acre -----			in	lb/bu	mo/day	
Experimentals								
AgriMAXX	EXP 2301	108.5	90.7	99.6	36	57.0	04-14	04-12
Dyna-Gro	WX23444	97.0	84.0	90.5	38	55.6	04-15	04-05
SunGrains	GA101153-22LE24	82.5	88.9	85.7	37	55.1	04-15	04-06
SunGrains	GA111055-19LE12	95.3	75.7	85.5	37	55.9	04-14	04-11
SunGrains	GA12099-21LE35	106.2	86.6	96.4	40	56.1	04-12	04-09
SunGrains	GA12213-21LE24	106.8	82.5	94.6	35	54.3	04-14	04-10
SunGrains	GA12213-22LE2	108.1	98.9	103.5	37	55.4	04-13	04-12
SunGrains	GA12230-20E36	94.6	82.0	88.3	36	56.3	04-12	03-29
SunGrains	GA131176-22E8	80.4	81.1	80.7	36	54.3	04-15	03-29
SunGrains	GA131218-20E15	90.0	91.8	90.9	35	54.6	04-13	04-01
SunGrains	GA131246LDH-86-21E2	99.4	88.3	93.8	38	55.7	04-11	04-06
SunGrains	GA141028-22LE25	103.8	92.8	98.3	36	58.3	04-11	04-11
SunGrains	GA141045-21LE7	73.2	85.2	79.2	37	51.4	04-13	04-08
SunGrains	GA141556-21LE22	111.5	93.7	102.6	37	59.0	04-15	04-05
SunGrains	GA141566-G1-22E44	63.7	66.6	65.1	35	47.8	04-16	03-29
SunGrains	GA15036ID-21E22	85.8	87.5	86.7	36	53.1	04-11	03-28
SunGrains	GA151313-LDH-192-20E48	99.6	92.2	95.8	32	56.1	04-15	04-03
SunGrains	GA151313-LDH224-19E38	91.4	81.5	86.4	37	55.6	04-13	03-30
SunGrains	GA151335-22E13	113.0	83.7	98.3	37	56.5	04-15	03-31
SunGrains	GA151433-22LE27	98.8	80.8	89.8	36	56.5	04-15	04-09
SunGrains	GA151450-22LE29	106.4	89.8	98.1	35	55.0	04-14	04-09
SunGrains	GA15277-1ID-22LE7	92.4	87.4	89.9	35	55.4	04-12	04-05
SunGrains	GA15340ID-21LE29	96.5	92.9	94.7	37	59.2	04-15	04-07
SunGrains	GA15490ID-21LE2	112.5	85.0	98.8	36	57.1	04-12	04-08
SunGrains	GA15560-22E18	79.9	68.7	74.3	35	52.9	04-12	04-02
SunGrains	GA15577-22LE38	107.8	88.0	97.9	38	55.4	04-11	04-06
SunGrains	GA16121ID-22E27	95.4	79.6	87.5	38	54.5	04-15	03-29
SunGrains	GA161240LDH-113-20LE6	60.5	83.5	72.0	38	52.2	04-13	03-31
SunGrains	GA16349ID-22LE31	113.0	93.5	103.3	37	57.9	04-17	04-09
SunGrains	GA16YR0060-22E32	72.8	74.9	73.8	36	52.0	04-17	04-01
SunGrains	GA17393DH-22E1	77.6	84.3	80.9	34	53.9	04-13	03-30
SunGrains	GA17634DH-08-21E36	102.2	78.3	90.2	36	56.3	04-13	03-29
SunGrains	GANC12915-21E3	106.5	87.8	95.7	36	56.4	04-15	03-30
SunGrains	LA13019SC-23-3-1-3	72.9	82.4	77.7	36	53.0	04-11	04-08
SunGrains	LA14159SB-BR1-1	65.0	79.3	72.1	35	47.8	04-11	03-28
SunGrains	LA14234CBW-31	70.8	95.7	83.2	36	53.0	04-12	04-03
SunGrains	LA14272CBB-3-1-4	52.2	87.3	69.8	34	46.5	04-12	03-28
SunGrains	LA14272CBW-15-1-2	66.1	77.0	71.6	39	49.3	04-13	03-28
SunGrains	LA15298GBB-5-1-4	59.9	62.4	61.2	37	45.0	04-13	03-29
SunGrains	NC11546-14	90.2	88.5	89.3	38	55.8	04-14	04-10
SunGrains	NC15V25-20	85.7	97.1	91.4	38	52.8	04-11	04-09
SunGrains	NC16V30-747	62.6	83.4	73.0	36	50.5	04-11	04-10
SunGrains	NC19-20002	115.1	91.4	103.3	39	57.3	04-15	04-10
SunGrains	SCGA141638-8-4	87.4	88.7	88.0	39	56.2	04-17	03-30
SunGrains	SCGA14298-32-6	86.0	84.7	85.4	36	56.0	04-12	04-03
SunGrains	SCGA151058-2	99.7	89.4	94.5	37	56.3	04-15	04-02
SunGrains	SCGA16259ID-10	104.4	94.3	99.3	41	56.5	04-12	04-10
SunGrains	SCLA18WF0304-13	105.0	86.0	95.5	36	59.2	04-15	03-30
SunGrains	SCLANC11558-33	93.2	86.7	89.9	34	56.7	04-16	03-29
Virginia Tech	15VTK-1-101	93.6	88.1	90.9	35	55.1	04-12	04-07
Virginia Tech	VA19W-29	100.5	96.7	98.6	41	56.5	04-13	04-05
Average		91.7	84.7	87.3	35	53.3	04-14	04-06
LSD at 10% Level		13.7	11.3	11.8	7	6.3	3	2
Model R-squared		0.73	0.50	0.31	0.28	0.25	-	0.95
C.V.		16.4	14.6	21.1	21.4	18.4	0.0	0.0

South Georgia Summary: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Location					Deer			Test
		Plains	Plains fung.	Midville	Tifton	Overall Avg	Grazed	Height	Lodging	Weight
		----- bu/acre -----					%	in	%	lb/bu
Commercial Varieties										
Mixon Seed	AGS 4043	68.8	67.6	103.7	79.4	79.6	0	31	17	56.0
UniSouth	USG 3752	63.6	65.8	95.2	80.6	77.1	0	36	16	56.6
Harvey's	AP 1983	69.2	71.6	94.1	75.0	76.4	0	35	5	55.9
Mixon Seed	AGS 2024	65.7	62.1	96.7	75.6	75.4	0	34	9	55.2
Dyna-Gro	Blanton	51.8	66.4	101.8	75.1	73.6	0	34	9	55.8
Mixon Seed	AGS 3026	48.2	62.5	97.2	76.5	72.0	0	33	3	55.1
Mixon Seed	AGS 4023	55.3	55.7	95.0	76.3	69.6	0	36	9	57.4
Dyna-Gro	Plantation	43.8	59.3	94.4	79.3	69.6	0	34	9	56.6
Dyna-Gro	Riverland	46.1	55.8	102.8	72.1	69.5	0	36	3	55.9
Mixon Seed	AGS 2021	50.1	54.6	95.1	72.9	68.9	0	37	9	56.5
Mixon Seed	AGS 3022	53.8	55.1	96.7	72.1	68.0	0	33	16	55.8
AgriMAXX	AM 481	42.5	63.4	89.1	66.5	65.8	0	35	11	56.2
NCCIA	Hilliard	45.6	56.6	94.7	64.7	65.5	0	34	2	54.2
Mixon Seed	AGS 3015	45.2	56.4	90.0	73.2	65.1	0	35	4	56.9
Stratton Seed	Go Wheat 2032	54.7	54.6	85.6	63.1	64.3	0	34	3	56.1
UniSouth	USG 3640	42.5	50.3	96.7	67.2	63.9	0	35	3	56.2
Mixon Seed	AGS 3040	47.9	71.5	94.1	34.3	61.9	22	37	9	54.5
Pioneer	26R94	37.3	54.2	80.6	74.2	60.7	0	38	5	56.6
Stratton Seed	Go Wheat LA754	57.8	52.9	66.4	66.4	60.2	0	36	6	52.3
Stratton Seed	Go Wheat 6000	41.6	51.0	80.6	64.4	59.5	0	33	25	55.2
Southern Harvest	SH 7222	41.2	41.1	94.9	62.3	58.7	0	33	2	54.0
Progeny	#BUSTER	38.3	54.9	88.7	54.2	58.5	0	33	12	55.1
NCCIA	NuEast (hard red)	53.7	46.9	63.0	61.8	55.4	0	38	12	55.4
Progeny	#TURBO	50.3	54.9	75.0	37.9	55.3	21	33	2	53.8
Pioneer	26R45	48.5	56.8	72.2	41.5	53.8	16	35	13	53.3
Progeny	#CHAD	32.8	49.9	74.5	41.0	51.4	22	28	42	52.9
Southern Harvest	SH 5550	44.5	50.2	70.7	23.0	47.3	38	35	2	55.0
Dyna-Gro	9290	29.0	35.5	74.0	32.9	43.1	0	30	23	53.2
GSDC	GA Gore	28.1	35.9	67.6	33.8	41.9	19	33	23	52.2
Pioneer	26R59	19.8	32.6	74.1	25.4	38.5	11	27	4	52.3
NCCIA	Appalachian White (hard white)	20.4	33.9	61.5	35.0	37.1	0	33	8	51.9
Progeny	#BINGO	9.3	13.3	60.4	15.2	24.0	0	29	12	52.1
Average		48.2	55.3	88.1	61.6	63.3	4	34	9	47.5
LSD at 10% Level		9.0	8.8	9.7	7.5	5.6	5	1	7	8.2
Model R-squared		0.78	0.67	0.74	0.91	0.72	0.44	0.63	0.41	0.30
C.V.		20.5	17.6	12.1	13.4	19.6	288	8	159	38.0

Experimental varieties appear on next page.

Low yields in some varieties resulted from multiple factors in the 2022-23 season.

These included lack of vernalization, Hessian fly infestations, and deer feeding damage.

South Georgia Summary: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Location					Deer			Test
		Plains	Plains fung.	Midville	Tifton	Overall Avg	Grazed	Height	Lodging	Weight
		----- bu/acre -----					%	in	%	lb/bu
Experimentals										
Dyna-Gro	WX23777	51.0	56.7	105.6	79.7	73.5	0	37	3	57.4
SunGrains	GA101153-22LE24	49.0	53.7	86.3	64.7	63.8	0	34	17	55.7
SunGrains	GA111055-19LE12	56.1	68.0	92.4	75.6	72.0	0	34	1	54.4
SunGrains	GA12099-21LE35	49.8	52.1	96.9	63.3	65.1	0	33	1	54.8
SunGrains	GA12213-21LE24	31.6	33.9	93.5	55.2	52.4	0	31	1	50.4
SunGrains	GA12213-22LE2	25.4	30.2	98.1	43.1	49.4	0	31	3	50.5
SunGrains	GA12230-20E36	50.7	73.5	93.5	69.6	71.7	0	33	24	53.8
SunGrains	GA131176-22E8	57.2	56.2	92.0	65.8	68.4	0	35	1	56.3
SunGrains	GA131218-20E15	60.6	76.2	91.0	71.3	73.9	0	32	29	52.5
SunGrains	GA131246LDH-86-21E2	70.2	72.7	88.1	80.2	78.2	0	34	9	53.5
SunGrains	GA141028-22LE25	64.7	66.8	100.2	73.7	76.8	0	31	1	54.4
SunGrains	GA141045-21LE7	69.7	57.9	95.0	78.6	75.7	0	38	9	56.4
SunGrains	GA141556-21LE22	60.2	61.3	103.5	73.5	74.6	0	34	4	55.9
SunGrains	GA141566-G1-22E44	47.4	55.2	74.4	69.4	62.3	0	35	1	55.9
SunGrains	GA15036ID-21E22	54.7	55.0	93.8	86.0	72.1	0	33	4	55.0
SunGrains	GA151313-LDH-192-20E48	53.7	74.2	107.0	79.8	78.9	0	30	14	55.2
SunGrains	GA151313-LDH224-19E38	46.4	66.5	95.4	36.1	60.5	27	35	11	55.6
SunGrains	GA151335-22E13	50.9	65.0	98.3	83.3	74.1	0	35	4	55.9
SunGrains	GA151433-22LE27	49.0	61.8	71.8	71.6	64.4	0	32	1	52.9
SunGrains	GA151450-22LE29	57.5	65.2	91.9	86.0	74.8	0	33	12	53.7
SunGrains	GA15277-1ID-22LE7	43.2	49.0	91.2	66.9	61.1	0	31	1	53.0
SunGrains	GA15340ID-21LE29	41.1	68.4	93.2	77.2	70.0	0	34	1	57.2
SunGrains	GA15490ID-21LE2	41.8	40.9	108.0	65.5	64.1	0	33	13	54.0
SunGrains	GA15560-22E18	37.4	44.5	84.5	47.9	54.2	10	33	10	53.3
SunGrains	GA15577-22LE38	61.9	59.6	96.8	75.2	73.6	0	36	19	56.3
SunGrains	GA16121ID-22E27	54.6	51.1	88.3	67.4	65.3	0	36	6	54.7
SunGrains	GA161240LDH-113-20LE6	53.9	57.8	77.9	28.1	54.5	32	35	12	55.7
SunGrains	GA16349ID-22LE31	63.0	60.9	104.2	83.7	77.3	0	33	9	53.8
SunGrains	GA16YR0060-22E32	36.4	50.5	85.1	60.2	58.2	0	33	4	53.7
SunGrains	GA17393DH-22E1	47.9	45.3	90.2	63.4	62.0	0	32	6	55.6
SunGrains	GA17634DH-08-21E36	39.8	54.2	100.6	74.1	67.4	0	33	7	55.6
SunGrains	GANC12915-21E3	45.0	67.3	87.0	41.7	60.5	27	34	12	54.9
SunGrains	LA13019SC-23-3-1-3	42.3	47.8	64.1	23.1	45.7	37	33	4	54.5
SunGrains	LA14159SB-BR1-1	62.0	58.9	88.3	69.0	69.2	0	36	3	57.4
SunGrains	LA14234CBW-31	59.5	67.5	90.7	82.0	75.1	0	35	7	56.4
SunGrains	LA14272CBB-3-1-4	52.0	52.5	77.2	57.5	59.8	0	34	2	57.6
SunGrains	LA14272CBW-15-1-2	45.3	46.1	77.7	20.4	47.8	30	36	1	55.6
SunGrains	LA15298GBB-5-1-4	25.5	42.0	66.3	50.9	45.1	0	31	3	56.5
SunGrains	NC11546-14	52.1	59.0	85.8	62.6	65.6	0	37	14	57.1
SunGrains	NC15V25-20	51.0	56.0	93.1	37.4	59.3	10	34	10	55.3
SunGrains	NC16V30-747	43.9	47.4	85.0	45.9	55.8	11	32	27	54.9
SunGrains	NC19-20002	57.9	61.7	100.9	70.5	73.3	0	35	2	55.0
SunGrains	SCGA141638-8-4	56.6	63.6	88.8	73.0	70.3	0	36	3	56.9
SunGrains	SCGA14298-32-6	57.9	46.2	75.2	61.5	61.6	0	32	31	56.8
SunGrains	SCGA151058-2	48.1	57.1	86.1	68.0	64.8	0	33	4	55.8
SunGrains	SCGA16259ID-10	18.9	35.1	60.5	37.3	38.0	0	32	13	51.8
SunGrains	SCLA18WF0304-13	55.1	65.7	92.8	60.6	68.9	0	37	5	57.6
SunGrains	SCLANC11558-33	62.6	69.5	110.3	74.1	79.9	0	33	23	56.2
Average		48.2	55.3	88.1	61.6	63.3	4	34	9	47.5
LSD at 10% Level		9.0	8.8	9.7	7.5	5.6	5	1	7	8.2
Model R-squared		0.78	0.67	0.74	0.91	0.72	0.44	0.63	0.41	0.30
C.V.		20.5	17.6	12.1	13.4	19.6	288	8	159	38.0

Rome, Georgia: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight	Height	Lodging	Head Date
		2023	2022	2021				
		----- bu/acre -----			lb/bu	in	%	mo/day
Commercial Varieties								
AgriMAXX	AM 516	124.0	121.0	141.4	58.7	37	50	04-13
Dyna-Gro	9120	118.8	118.7	145.8	62.0	40	1	04-14
Dyna-Gro	9172	116.3	119.0	141.3	58.2	39	0	04-14
UniSouth	USG 3352	112.9	115.7	134.6	58.5	40	0	04-14
Dyna-Gro	9811	112.1	111.5	137.9	58.2	41	0	04-15
Mixon Seed	AGS 3026	109.0	117.4	114.8	57.7	34	77	04-12
UniSouth	USG 3472	107.8	105.3	147.3	54.3	39	0	04-13
Progeny	#BINGO	103.0	113.6	139.9	56.0	37	0	04-15
AgriMAXX	AM 513	100.7	128.2	144.7	55.6	41	5	04-13
Mixon Seed	AGS 4043	95.4	122.0	112.8	55.9	33	84	04-16
Stratton Seed	Go Wheat 6000	90.7	111.1	129.3	55.7	36	45	04-20
Ogletree	Johnson	90.5	118.7	134.1	54.4	36	70	04-15
Progeny	#TURBO	90.1	130.5	120.5	58.8	37	11	04-16
Dyna-Gro	Blanton	88.6	120.9	125.3	54.4	38	70	04-15
Mixon Seed	AGS 2024	88.1	115.0	111.3	56.6	36	80	04-14
Mixon Seed	AGS 3040	87.7	120.9	128.2	53.5	38	42	04-10
Mixon Seed	AGS 4023	86.9	109.2	120.9	53.5	37	80	04-13
Stratton Seed	Go Wheat 2032	84.8	114.1	127.9	52.6	35	11	04-14
Dyna-Gro	9002	83.8	124.7	135.8	56.5	37	11	04-13
Dyna-Gro	Riverland	80.9	107.8	126.7	50.3	39	5	04-15
Pioneer	26R45	79.4	94.1	75.8	48.7	37	60	04-13
Mixon Seed	AGS 3022	66.5	104.7	121.4	45.3	34	36	04-14
Stratton Seed	Go Wheat LA754	65.4	97.3	85.1	48.8	38	40	04-15
Dyna-Gro	Plantation	63.9	125.8	134.5	41.3	36	5	04-17
Progeny	#BUSTER	127.7	122.4	.	60.9	37	40	04-16
Dyna-Gro	9393	107.4	111.6	.	56.6	35	45	04-15
Dyna-Gro	9701	102.9	117.0	.	56.5	41	47	04-11
AgriMAXX	AM 535	101.6	104.4	.	58.8	38	1	04-12
UniSouth	USG 3783	101.4	131.5	.	57.1	35	0	04-15
Pioneer	26R59	99.3	110.7	.	57.9	36	1	04-12
Harvey's	AP 1983	95.2	.	117.9	56.8	38	25	04-14
Progeny	#CHAD	93.0	118.6	.	55.9	34	92	04-12
Mixon Seed	AGS 2021	80.0	99.1	.	52.8	38	40	04-13
GSDC	GA Gore	54.0	.	96.8	37.6	38	87	04-13
KWS Cereals	KWS397	109.4	.	.	56.2	37	47	04-11
Dyna-Gro	9481	109.2	.	.	58.8	36	48	04-16
KWS Cereals	KWS495	108.1	.	.	56.6	34	99	04-14
NCCIA	Hilliard	101.6	.	.	58.3	42	2	04-12
KWS Cereals	KWS459	97.7	.	.	54.5	34	97	04-14
Dyna-Gro	9290	95.5	.	.	54.3	38	25	04-16
NCCIA	NuEast (hard red)	91.9	.	.	54.8	37	45	04-12
Mixon Seed	AGS 3015	88.3	.	.	52.6	41	32	04-16
NCCIA	Appalachian White (hard white)	58.1	.	.	33.3	36	92	04-18
KWS Cereals	KWS369	55.4	.	.	35.7	36	95	04-11
KWS Cereals	KWS453	33.9	.	.	25.3	37	92	04-16
Experimentals								
SunGrains	GA151313-LDH-192-20E48	99.6	124.9	131.5	54.9	32	35	04-15
SunGrains	GA111055-19LE12	95.3	113.4	119.2	57.0	38	20	04-14
SunGrains	GA12230-20E36	94.6	110.0	134.5	56.1	37	2	04-12
SunGrains	SCLANC11558-33	93.2	128.5	113.8	56.3	35	48	04-16
SunGrains	GA151313-LDH224-19E38	91.4	121.4	129.8	55.5	37	15	04-13
SunGrains	NC11546-14	90.2	110.1	96.8	55.1	37	87	04-14
SunGrains	GA131218-20E15	90.0	123.6	126.5	53.3	36	56	04-13
SunGrains	GA161240LDH-113-20LE6	60.5	112.7	121.2	47.9	38	60	04-13

Rome, Georgia: Wheat Grain Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Head Date
		2023	2022	2021	Weight	Height	Lodging	
		----- bu/acre -----			lb/bu	in	%	mo/day
SunGrains	GA15490ID-21LE2	112.5	113.2	.	58.5	36	45	04-12
SunGrains	GA141556-21LE22	111.5	107.9	.	60.1	39	25	04-15
SunGrains	GA12213-21LE24	106.8	113.9	.	55.0	36	31	04-14
SunGrains	GANC12915-21E3	106.5	114.3	.	58.9	37	10	04-15
SunGrains	GA12099-21LE35	106.2	98.2	.	56.5	40	0	04-12
SunGrains	GA17634DH-08-21E36	102.2	119.2	.	57.4	37	30	04-13
SunGrains	GA131246LDH-86-21E2	99.4	110.5	.	55.7	38	55	04-11
SunGrains	GA15340ID-21LE29	96.5	102.2	.	59.1	36	10	04-15
SunGrains	GA15036ID-21E22	85.8	122.6	.	49.6	38	0	04-11
SunGrains	NC15V25-20	85.7	128.0	.	48.7	38	82	04-11
SunGrains	GA141045-21LE7	73.2	114.3	.	45.2	35	90	04-13
AgriMAXX	EXP 2301	108.5	.	.	58.4	36	0	04-14
Dyna-Gro	WX23444	97.0	.	.	57.3	37	0	04-15
SunGrains	NC19-20002	115.1	.	.	58.1	39	15	04-15
SunGrains	GA16349ID-22LE31	113.0	.	.	58.9	38	30	04-17
SunGrains	GA151335-22E13	113.0	.	.	58.5	39	0	04-15
SunGrains	GA12213-22LE2	108.1	.	.	55.2	36	30	04-13
SunGrains	GA15577-22LE38	107.8	.	.	55.0	36	65	04-11
SunGrains	GA151450-22LE29	106.4	.	.	53.6	35	30	04-14
SunGrains	SCLA18WF0304-13	105.0	.	.	59.4	34	10	04-15
SunGrains	SCGA16259ID-10	104.4	.	.	56.1	39	25	04-12
SunGrains	GA141028-22LE25	103.8	.	.	58.6	37	25	04-11
Virginia Tech	VA19W-29	100.5	.	.	55.6	42	10	04-13
SunGrains	SCGA151058-2	99.7	.	.	54.9	39	26	04-15
SunGrains	GA151433-22LE27	98.8	.	.	56.9	37	75	04-15
SunGrains	GA16121ID-22E27	95.4	.	.	53.8	39	20	04-15
Virginia Tech	15VTK-1-101	93.6	.	.	54.0	36	6	04-12
SunGrains	GA15277-1ID-22LE7	92.4	.	.	54.8	33	35	04-12
SunGrains	SCGA141638-8-4	87.4	.	.	54.4	41	0	04-17
SunGrains	SCGA14298-32-6	86.0	.	.	54.3	36	50	04-12
SunGrains	GA101153-22LE24	82.5	.	.	53.1	36	70	04-15
SunGrains	GA131176-22E8	80.4	.	.	51.5	38	0	04-15
SunGrains	GA15560-22E18	79.9	.	.	52.6	36	20	04-12
SunGrains	GA17393DH-22E1	77.6	.	.	51.4	36	25	04-13
SunGrains	LA13019SC-23-3-1-3	72.9	.	.	49.3	35	35	04-11
SunGrains	GA16YR0060-22E32	72.8	.	.	50.6	37	82	04-17
SunGrains	LA14234CBW-31	70.8	.	.	46.5	36	82	04-12
SunGrains	LA14272CBW-15-1-2	66.1	.	.	43.4	43	1	04-13
SunGrains	LA14159SB-BR1-1	65.0	.	.	40.8	37	2	04-11
SunGrains	GA141566-G1-22E44	63.7	.	.	43.0	40	1	04-16
SunGrains	NC16V30-747	62.6	.	.	43.8	36	101	04-11
SunGrains	LA15298GBB-5-1-4	59.9	.	.	36.5	39	-1	04-13
SunGrains	LA14272CBB-3-1-4	52.2	.	.	38.0	37	2	04-12
Average		91.7	114.2	124.5	53.2	37	35	04-14
LSD at 10% Level		13.7	14.4	12.0	4.9	3	34	NS
Model R-squared		0.73	0.47	0.70	0.87	0.99	0.83	-
C.V.		16.4	13.9	10.6	10.0	5.8	74.6	-

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 3, 2022.

Harvested: June 28, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Wax loam.

Previous Crop: Ryegrass.

Soil Test: P = Medium, K = Very high, and pH =6.2

Fertilization: Preplant: 106 lb N, 36 lb P2O5, and 0 lb K2O/acre. Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony and Zidua used for weed control.

Test conducted by G. Ware, M. Tucker and T. Turnquist.

Griffin, Georgia: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test	Height in	Lodging %	Head Date mo/day
		2023	2022	2021	Weight lb/bu			
		----- bu/acre -----						
Commercial Varieties								
Dyna-Gro	9811	101.8	74.2	107.5	59.3	40	5	04-05
Mixon Seed	AGS 4023	96.7	78.4	105.6	59.2	36	14	04-06
Mixon Seed	AGS 4043	96.3	58.1	93.5	57.4	30	13	03-31
Dyna-Gro	9120	92.4	88.6	104.2	57.2	39	0	04-14
Dyna-Gro	9172	90.5	89.5	110.7	56.5	39	2	04-14
Mixon Seed	AGS 2024	88.9	48.1	121.0	57.5	36	9	04-05
Mixon Seed	AGS 3022	88.2	55.0	104.5	56.3	35	4	03-28
Mixon Seed	AGS 3026	87.1	62.0	109.4	56.6	38	16	04-07
AgriMAXX	AM 513	86.5	81.6	97.6	56.2	38	0	04-16
Dyna-Gro	Blanton	86.3	40.5	94.6	57.5	36	12	04-03
Stratton Seed	Go Wheat 6000	85.8	45.1	104.6	55.1	37	18	04-05
Dyna-Gro	9002	85.6	73.6	103.6	56.0	37	7	04-11
Stratton Seed	Go Wheat 2032	85.6	48.4	108.3	55.7	35	1	03-30
Mixon Seed	AGS 3040	82.1	64.5	84.0	54.5	38	15	04-03
Progeny	#BINGO	82.1	79.7	94.9	54.2	36	0	04-16
Pioneer	26R45	81.3	73.2	98.7	55.7	38	4	04-15
Progeny	#TURBO	80.9	63.3	97.5	55.2	35	8	04-07
AgriMAXX	AM 516	80.7	110.7	116.7	53.3	36	1	04-15
UniSouth	USG 3472	80.3	95.4	119.0	53.3	40	0	04-15
Dyna-Gro	Riverland	79.9	39.7	96.4	57.5	37	2	03-30
UniSouth	USG 3352	79.6	88.7	99.8	54.6	39	8	04-16
Dyna-Gro	Plantation	78.8	68.7	100.2	57.1	35	10	03-29
Ogletree	Johnson	78.5	55.6	93.8	51.7	36	5	04-02
Stratton Seed	Go Wheat LA754	76.2	48.4	75.8	53.7	33	14	03-29
Dyna-Gro	9701	94.3	81.7	.	55.5	41	3	04-15
Progeny	#BUSTER	87.7	93.3	.	54.8	39	0	04-14
UniSouth	USG 3783	82.5	93.3	.	54.6	33	3	04-14
Harvey's	AP 1983	81.6	.	102.0	56.9	37	8	03-30
AgriMAXX	AM 535	80.8	84.6	.	54.9	36	13	04-15
Progeny	#CHAD	79.5	58.1	.	53.6	32	13	04-03
Pioneer	26R59	78.9	55.7	.	52.8	33	6	04-13
Dyna-Gro	9393	78.5	93.3	.	53.2	35	9	04-15
Mixon Seed	AGS 2021	78.3	53.1	.	56.1	37	17	04-01
GSDC	GA Gore	67.8	.	71.7	53.1	36	16	03-28
Dyna-Gro	9290	95.9	.	.	57.1	36	17	04-06
KWS Cereals	KWS495	95.9	.	.	56.3	33	4	04-12
KWS Cereals	KWS369	88.2	.	.	55.4	37	10	04-16
Mixon Seed	AGS 3015	87.4	.	.	56.7	36	4	03-27
Dyna-Gro	9481	84.5	.	.	55.9	39	7	04-10
NCCIA	Hilliard	83.6	.	.	55.3	40	5	04-08
KWS Cereals	KWS459	82.5	.	.	54.7	35	4	04-11
KWS Cereals	KWS453	80.8	.	.	54.9	33	13	04-17
NCCIA	Appalachian White (hard white)	76.9	.	.	54.6	41	2	04-24
KWS Cereals	KWS397	75.1	.	.	52.0	37	1	04-13
NCCIA	NuEast (hard red)	54.0	.	.	50.6	42	21	04-14
Experimentals								
SunGrains	GA151313-LDH-192-20E48	92.2	69.3	109.8	57.2	31	5	04-03
SunGrains	GA131218-20E15	91.8	62.1	95.0	55.9	33	4	04-01
SunGrains	NC11546-14	88.5	78.6	90.9	56.5	39	13	04-10
SunGrains	SCLANC11558-33	86.7	75.5	93.4	57.0	34	14	03-29
SunGrains	GA161240LDH-113-20LE6	83.5	43.8	96.3	56.4	37	15	03-31
SunGrains	GA12230-20E36	82.0	57.2	92.8	56.5	35	0	03-29
SunGrains	GA151313-LDH224-19E38	81.5	54.4	102.4	55.7	37	20	03-30
SunGrains	GA111055-19LE12	75.7	84.5	111.2	54.8	36	1	04-11
SunGrains	NC15V25-20	97.1	64.0	.	56.9	37	9	04-09

Griffin, Georgia: Wheat Grain Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Head Date
		2023	2022	2021	Weight	Height	Lodging	
		----- bu/acre -----			lb/bu	in	%	mo/day
SunGrains	GA141556-21LE22	93.7	83.3	.	57.9	36	1	04-05
SunGrains	GA15340ID-21LE29	92.9	65.8	.	59.2	37	0	04-07
SunGrains	GA131246LDH-86-21E2	88.3	59.1	.	55.6	37	8	04-06
SunGrains	GANC12915-21E3	87.8	49.0	.	55.0	34	3	03-30
SunGrains	GA15036ID-21E22	87.5	69.7	.	56.5	34	2	03-28
SunGrains	GA12099-21LE35	86.6	75.9	.	55.7	39	5	04-09
SunGrains	GA141045-21LE7	85.2	76.5	.	57.5	39	3	04-08
SunGrains	GA15490ID-21LE2	85.0	82.2	.	55.9	36	5	04-08
SunGrains	GA12213-21LE24	82.5	67.5	.	53.7	35	2	04-10
SunGrains	GA17634DH-08-21E36	78.3	53.3	.	55.2	37	1	03-29
SunGrains	GA12213-22LE2	98.9	.	.	55.5	39	1	04-12
Virginia Tech	VA19W-29	96.7	.	.	57.2	39	6	04-05
SunGrains	LA14234CBW-31	95.7	.	.	59.4	35	1	04-03
SunGrains	SCGA16259ID-10	94.3	.	.	56.8	42	1	04-10
SunGrains	GA16349ID-22LE31	93.5	.	.	56.7	36	0	04-09
SunGrains	GA141028-22LE25	92.8	.	.	58.0	34	2	04-11
SunGrains	NC19-20002	91.4	.	.	56.4	39	0	04-10
AgriMAXX	EXP 2301	90.7	.	.	55.7	36	17	04-12
SunGrains	GA151450-22LE29	89.8	.	.	56.3	36	11	04-09
SunGrains	SCGA151058-2	89.4	.	.	57.8	36	3	04-02
SunGrains	GA101153-22LE24	88.9	.	.	57.1	36	5	04-06
SunGrains	SCGA141638-8-4	88.7	.	.	58.2	38	3	03-30
Virginia Tech	15VTK-1-101	88.1	.	.	56.1	33	9	04-07
SunGrains	GA15577-22LE38	88.0	.	.	55.8	39	3	04-06
SunGrains	GA15277-1ID-22LE7	87.4	.	.	55.9	37	2	04-05
SunGrains	LA14272CBB-3-1-4	87.3	.	.	55.0	33	3	03-28
SunGrains	SCLA18WF0304-13	86.0	.	.	58.8	38	4	03-30
SunGrains	SCGA14298-32-6	84.7	.	.	57.7	34	4	04-03
SunGrains	GA17393DH-22E1	84.3	.	.	56.3	31	2	03-30
Dyna-Gro	WX23444	84.0	.	.	53.7	39	22	04-05
SunGrains	GA151335-22E13	83.7	.	.	54.6	35	2	03-31
SunGrains	NC16V30-747	83.4	.	.	55.5	35	24	04-10
SunGrains	LA13019SC-23-3-1-3	82.4	.	.	56.7	37	2	04-08
SunGrains	GA131176-22E8	81.1	.	.	57.1	36	4	03-29
SunGrains	GA151433-22LE27	80.8	.	.	56.3	34	0	04-09
SunGrains	GA16121ID-22E27	79.6	.	.	55.1	37	7	03-29
SunGrains	LA14159SB-BR1-1	79.3	.	.	54.9	34	2	03-28
SunGrains	LA14272CBW-15-1-2	77.0	.	.	55.2	37	5	03-28
SunGrains	GA16YR0060-22E32	74.9	.	.	53.6	36	6	04-01
SunGrains	GA15560-22E18	68.7	.	.	53.3	34	23	04-02
SunGrains	GA141566-G1-22E44	66.6	.	.	52.6	33	0	03-29
SunGrains	LA15298GBB-5-1-4	62.4	.	.	56.7	36	2	03-29
Average		84.7	66.8	97.4	55.8	36	7	04-06
LSD at 10% Level		11.3	12.9	11.9	2.1	2	9	2
Model R-squared		0.50	0.79	0.38	0.95	0.87	0.63	0.95
C.V.		14.6	21.2	13.5	4.2	4.7	150.6	0.0

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 8, 2022.

Harvested: June 16, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Cecil sandy loam.

Soil Test: P₂O₅ = 23, K₂O = 356, and pH = 6.3.

Fertilization: Preplant: 27 lb N, 70 lb P₂O₅, and 200 lb K₂O/acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Harmony and Rezutant used for weed control.

Test conducted by G. Ware, T. Brannon, and H. Jackson.

Plains, Georgia: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test			Hessian Fly 1-5 scale	Awns Present	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging			
		----- bu/acre -----			lb/bu	in	%			
Commercial Varieties										
Mixon Seed	AGS 4043	68.8	94.2	69.5	56.7	29	1	1.0	Yes	0
Mixon Seed	AGS 2024	65.7	90.4	75.2	55.0	32	1	1.0	Yes	0
UniSouth	USG 3752	63.6	87.3	79.1	56.0	36	5	1.0	Yes	0
Stratton Seed	Go Wheat LA754	57.8	80.6	63.3	50.9	36	1	1.0	Yes	0
Mixon Seed	AGS 4023	55.3	70.5	64.1	57.9	34	0	1.5	Yes	0
Stratton Seed	Go Wheat 2032	54.7	76.0	61.3	57.1	33	2	1.8	Yes	0
Mixon Seed	AGS 3022	53.8	88.6	67.3	55.8	33	0	1.8	Yes	0
Dyna-Gro	Blanton	51.8	76.6	69.4	55.5	32	0	1.5	Yes	0
Progeny	#TURBO	50.3	81.2	60.2	53.5	31	0	1.8	No	8
Pioneer	26R45	48.5	84.3	79.1	53.7	34	0	1.8	No	3
Mixon Seed	AGS 3026	48.2	89.1	73.2	54.8	31	0	1.8	Yes	0
Mixon Seed	AGS 3040	47.9	97.0	72.8	55.4	34	0	1.3	No	8
Dyna-Gro	Riverland	46.1	81.8	70.3	54.0	33	0	2.0	Yes	0
Mixon Seed	AGS 3015	45.2	87.2	63.5	57.3	33	1	2.0	Yes	0
Southern Harvest	SH 5550	44.5	87.7	62.9	54.9	32	0	1.0	Yes	9
Dyna-Gro	Plantation	43.8	94.7	70.0	55.9	32	0	1.5	Yes	0
AgriMAXX	AM 481	42.5	96.2	70.4	56.0	31	0	1.0	Yes	0
UniSouth	USG 3640	42.5	85.4	70.7	55.8	33	0	1.5	Yes	0
Stratton Seed	Go Wheat 6000	41.6	77.4	73.4	54.9	31	3	2.5	Yes	0
Pioneer	26R94	37.3	74.4	64.8	54.9	34	2	2.3	Yes	0
Progeny	#BINGO	9.3	93.4	67.5	54.9	25	0	5.0	Yes	0
Harvey's	AP 1983	69.2	.	72.0	56.1	33	0	1.0	Yes	0
Mixon Seed	AGS 2021	50.1	81.6	.	55.9	34	1	1.5	Yes	0
Progeny	#BUSTER	38.3	96.4	.	54.8	27	0	2.5	Yes	0
Progeny	#CHAD	32.8	93.9	.	55.3	25	9	3.8	No	3
GSDC	GA Gore	28.1	.	55.2	54.9	27	5	3.3	No	3
Pioneer	26R59	19.8	87.3	.	55.1	25	0	4.5	No	19
NCCIA	NuEast (hard red)	53.7	.	.	57.2	37	9	1.0	Yes	0
NCCIA	Hilliard	45.6	.	.	55.0	29	0	1.3	Yes	0
Southern Harvest	SH 7222	41.2	.	.	56.4	30	0	2.8	Yes	0
Dyna-Gro	9290	29.0	.	.	54.9	24	1	4.5	Yes	0
NCCIA	Appalachian White (hard white)	20.4	.	.	54.9	29	2	4.0	Yes	0
Experimentals										
SunGrains	SCLANC11558-33	62.6	102.7	74.8	56.1	31	1	1.3	Yes	0
SunGrains	GA131218-20E15	60.6	94.0	76.2	53.4	30	0	1.3	Yes	0
SunGrains	GA111055-19LE12	56.1	97.3	69.1	56.5	31	0	1.5	Yes	0
SunGrains	GA161240LDH-113-20LE6	53.9	75.5	72.9	57.1	34	1	1.3	No	24
SunGrains	GA151313-LDH-192-20E48	53.7	92.1	69.3	56.0	28	0	1.0	Yes	0
SunGrains	NC11546-14	52.1	82.2	65.0	58.5	34	0	1.3	Yes	0
SunGrains	GA12230-20E36	50.7	88.2	63.4	54.5	30	2	1.5	Yes	0
SunGrains	GA151313-LDH224-19E38	46.4	94.6	63.0	56.3	32	0	1.5	No	13
SunGrains	GA131246LDH-86-21E2	70.2	93.4	.	54.6	32	1	1.0	Yes	0
SunGrains	GA141045-21LE7	69.7	84.0	.	57.2	35	0	1.0	Yes	0
SunGrains	GA141556-21LE22	60.2	91.7	.	56.7	31	0	1.8	Yes	0
SunGrains	GA15036ID-21E22	54.7	91.4	.	55.7	30	0	1.0	Yes	0
SunGrains	NC15V25-20	51.0	75.2	.	56.6	32	1	1.3	No	5
SunGrains	GA12099-21LE35	49.8	89.8	.	55.9	31	0	1.3	Yes	0
SunGrains	GANC12915-21E3	45.0	68.8	.	55.0	32	1	1.0	No	30
SunGrains	GA15490ID-21LE2	41.8	87.7	.	54.4	29	1	3.5	Yes	0
SunGrains	GA15340ID-21LE29	41.1	93.1	.	56.3	31	0	2.0	Yes	0
SunGrains	GA17634DH-08-21E36	39.8	86.3	.	54.8	29	1	2.8	Yes	0
SunGrains	GA12213-21LE24	31.6	85.5	.	53.3	28	0	3.8	Yes	0
SunGrains	GA141028-22LE25	64.7	.	.	55.7	29	0	1.0	Yes	0
SunGrains	GA16349ID-22LE31	63.0	.	.	53.8	31	0	1.0	Yes	0
SunGrains	LA14159SB-BR1-1	62.0	.	.	57.7	35	1	1.0	Yes	0

Plains, Georgia:
Wheat Grain Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Head Date	Awns Present	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging			
		----- bu/acre -----			lb/bu	in	%			
SunGrains	GA15577-22LE38	61.9	.	.	57.8	33	0	1.3	Yes	0
SunGrains	LA14234CBW-31	59.5	.	.	57.2	32	1	1.0	Yes	0
SunGrains	NC19-20002	57.9	.	.	56.2	31	1	1.0	Yes	0
SunGrains	SCGA14298-32-6	57.9	.	.	57.4	30	5	2.0	Yes	0
SunGrains	GA151450-22LE29	57.5	.	.	53.6	32	0	1.0	Yes	0
SunGrains	GA131176-22E8	57.2	.	.	55.7	33	0	1.0	Yes	0
SunGrains	SCGA141638-8-4	56.6	.	.	56.5	34	2	1.0	Yes	0
SunGrains	SCLA18WF0304-13	55.1	.	.	58.3	34	0	1.8	Yes	0
SunGrains	GA16121ID-22E27	54.6	.	.	54.3	35	1	1.0	Yes	0
SunGrains	LA14272CBB-3-1-4	52.0	.	.	58.5	33	0	1.3	Yes	0
Dyna-Gro	WX23777	51.0	.	.	56.0	33	0	1.5	Yes	0
SunGrains	GA151335-22E13	50.9	.	.	55.7	33	0	1.8	Yes	0
SunGrains	GA101153-22LE24	49.0	.	.	55.6	29	6	2.3	Yes	0
SunGrains	GA151433-22LE27	49.0	.	.	54.5	30	0	1.5	Yes	0
SunGrains	SCGA151058-2	48.1	.	.	56.0	28	0	2.8	Yes	0
SunGrains	GA17393DH-2E1	47.9	.	.	56.4	31	0	2.0	Yes	0
SunGrains	GA141566-G1-22E44	47.4	.	.	56.2	31	0	1.0	Yes	0
SunGrains	LA14272CBW-15-1-2	45.3	.	.	55.6	33	0	1.0	No	8
SunGrains	NC16V30-747	43.9	.	.	57.7	29	0	1.8	No	10
SunGrains	GA15277-1ID-22LE7	43.2	.	.	53.6	28	0	3.3	Yes	0
SunGrains	LA13019SC-23-3-1-3	42.3	.	.	56.1	30	2	2.0	No	20
SunGrains	GA15560-22E18	37.4	.	.	55.1	30	0	2.5	No	5
SunGrains	GA16YR0060-22E32	36.4	.	.	54.0	30	0	3.5	Yes	0
SunGrains	LA15298GBB-5-1-4	25.5	.	.	54.9	27	1	3.5	Yes	0
SunGrains	GA12213-22LE2	25.4	.	.	54.9	28	0	4.3	Yes	0
SunGrains	SCGA16259ID-10	18.9	.	.	55.1	24	0	4.8	Yes	0
Average		48.2	85.5	67.3	55.6	31	1	1.9	-	2
LSD at 10% Level		9.0	5.6	4.4	0.8	2	2	0.6	-	6
Model R-squared		0.78	0.80	0.68	-	0.75	0.49	0.77	-	0.49
C.V.		20.5	7.2	7.1	1.6	7.8	302.2	36.0	-	321.3

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 29, 2022.

Harvested: June 7, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Prior Crop: Soybeans.

Soil Type: Greenville sandy clay loam.

Soil Test: P₂O₅ = 45, K₂O = 248, and pH = 6.00.

Fertilization: Preplant: 11 lb N, 10 lb S, 21 lb P₂O₅, and 21 lb K₂O/acre. Topdress: 50 lb N and 5 lb S/acre.

Management: Conventional tillage.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, D. Dunn, W. Jones, and D. Pearce.

Plains, Georgia: Wheat Grain Performance with Foliar Fungicide, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test			Hessian Fly 1-5 scale	Awns Present	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging			
		----- bu/acre -----			lb/bu	in	%			
Commercial Varieties										
Mixon Seed	AGS 3040	71.5	95.9	74.0	54.3	35	2	1.0	No	16
Mixon Seed	AGS 4043	67.6	96.8	64.1	54.9	28	1	1.0	Yes	0
Dyna-Gro	Blanton	66.4	80.0	77.2	55.0	35	1	1.0	Yes	1
UniSouth	USG 3752	65.8	88.4	73.6	54.9	35	3	1.0	Yes	0
AgriMAXX	AM 481	63.4	107.1	73.8	55.3	36	1	1.0	Yes	0
Mixon Seed	AGS 3026	62.5	91.9	63.4	53.9	31	1	1.3	Yes	0
Mixon Seed	AGS 2024	62.1	90.5	74.2	54.0	33	0	1.0	Yes	0
Dyna-Gro	Plantation	59.3	104.6	72.0	55.0	33	1	1.3	Yes	0
Pioneer	26R45	56.8	91.6	75.2	52.4	33	0	1.5	No	0
Mixon Seed	AGS 3015	56.4	91.5	67.7	56.2	35	2	1.0	Yes	0
Dyna-Gro	Riverland	55.8	87.2	71.5	53.7	35	1	1.5	Yes	0
Mixon Seed	AGS 4023	55.7	81.7	66.5	56.5	33	0	1.0	Yes	0
Mixon Seed	AGS 3022	55.1	98.2	65.5	54.4	31	1	1.5	Yes	0
Progeny	#TURBO	54.9	85.3	62.7	52.3	30	0	1.0	No	4
Stratton Seed	Go Wheat 2032	54.6	81.1	78.4	54.8	32	0	1.0	Yes	0
Pioneer	26R94	54.2	79.2	66.5	56.2	39	2	1.3	Yes	0
Stratton Seed	Go Wheat LA754	52.9	91.0	63.5	51.6	35	1	1.0	Yes	0
Stratton Seed	Go Wheat 6000	51.0	86.0	76.6	54.4	32	6	1.8	Yes	0
UniSouth	USG 3640	50.3	83.9	73.2	53.6	33	2	1.8	Yes	0
Southern Harvest	SH 5550	50.2	93.6	69.8	54.0	33	0	1.3	Yes	16
Progeny	#BINGO	13.3	96.8	67.8	54.2	24	0	3.0	Yes	0
Harvey's	AP 1983	71.6	.	71.4	55.2	34	1	1.0	Yes	0
Progeny	#BUSTER	54.9	105.5	.	53.6	30	1	1.5	Yes	0
Mixon Seed	AGS 2021	54.6	84.1	.	55.4	36	6	1.0	Yes	0
Progeny	#CHAD	49.9	98.7	.	50.5	25	3	1.8	No	10
GSDC	GA Gore	35.9	.	62.3	49.1	32	2	2.0	No	10
Pioneer	26R59	32.6	98.9	.	49.5	24	0	2.5	No	10
NCCIA	Hilliard	56.6	.	.	53.3	32	0	1.3	Yes	0
NCCIA	NuEast (hard red)	46.9	.	.	56.2	35	6	1.0	Yes	0
Southern Harvest	SH 7222	41.1	.	.	51.5	31	0	2.5	Yes	0
Dyna-Gro	9290	35.5	.	.	51.1	25	0	3.0	Yes	0
NCCIA	Appalachian White (hard white)	33.9	.	.	51.6	30	2	2.5	Yes	0
Experimentals										
SunGrains	GA131218-20E15	76.2	95.1	72.2	52.2	31	0	1.0	Yes	0
SunGrains	GA151313-LDH-192-20E48	74.2	91.5	73.6	54.6	29	5	1.0	Yes	0
SunGrains	GA12230-20E36	73.5	91.4	70.4	54.6	33	5	1.0	Yes	0
SunGrains	SCLANC11558-33	69.5	92.3	72.4	54.8	31	1	1.3	Yes	0
SunGrains	GA111055-19LE12	68.0	96.4	73.7	54.3	34	0	1.0	Yes	0
SunGrains	GA151313-LDH224-19E38	66.5	99.4	61.9	55.1	36	1	1.0	No	15
SunGrains	NC11546-14	59.0	92.3	64.9	56.0	33	0	1.3	Yes	0
SunGrains	GA161240LDH-113-20LE6	57.8	77.9	75.5	55.8	36	3	1.0	No	12
SunGrains	GA131246LDH-86-21E2	72.7	93.8	.	53.0	34	0	1.0	Yes	0
SunGrains	GA15340ID-21LE29	68.4	101.9	.	55.9	33	0	1.0	Yes	0
SunGrains	GANC12915-21E3	67.3	78.8	.	54.5	34	1	1.0	No	1
SunGrains	GA141556-21LE22	61.3	91.2	.	55.2	30	0	1.0	Yes	0
SunGrains	GA141045-21LE7	57.9	93.3	.	54.9	34	1	1.3	Yes	0
SunGrains	NC15V25-20	56.0	95.6	.	54.8	31	0	1.3	No	2
SunGrains	GA15036ID-21E22	55.0	100.8	.	53.8	31	0	1.0	Yes	0
SunGrains	GA17634DH-08-21E36	54.2	95.9	.	54.5	32	1	1.3	Yes	0
SunGrains	GA12099-21LE35	52.1	99.3	.	53.5	32	0	1.5	Yes	0
SunGrains	GA15490ID-21LE2	40.9	93.3	.	52.7	29	0	2.5	Yes	0
SunGrains	GA12213-21LE24	33.9	98.2	.	54.1	28	0	2.8	Yes	0
SunGrains	LA14234CBW-31	67.5	.	.	55.3	33	1	1.0	Yes	0
SunGrains	GA141028-22LE25	66.8	.	.	54.4	29	0	1.0	Yes	0

Plains, Georgia:

Wheat Grain Performance with Foliar Fungicide, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Hessian	Awns	Deer
		2023	2022	2021	Weight	Height	Lodging	Fly	Present	Grazed
		----- bu/acre -----			lb/bu	in	%	1-5 scale		%
SunGrains	SCLA18WF0304-13	65.7	.	.	56.6	38	0	1.0	Yes	0
SunGrains	GA151450-22LE29	65.2	.	.	53.3	31	0	1.3	Yes	0
SunGrains	GA151335-22E13	65.0	.	.	54.8	33	0	1.0	Yes	0
SunGrains	SCGA141638-8-4	63.6	.	.	55.7	34	2	1.3	Yes	0
SunGrains	GA151433-22LE27	61.8	.	.	54.0	31	0	1.3	Yes	0
SunGrains	NC19-20002	61.7	.	.	53.9	32	0	1.0	Yes	0
SunGrains	GA16349ID-22LE31	60.9	.	.	53.3	28	1	1.3	Yes	0
SunGrains	GA15577-22LE38	59.6	.	.	55.5	33	0	1.3	Yes	0
SunGrains	LA14159SB-BR1-1	58.9	.	.	56.1	36	1	1.3	Yes	0
SunGrains	SCGA151058-2	57.1	.	.	54.4	31	0	1.3	Yes	0
Dyna-Gro	WX23777	56.7	.	.	55.2	34	1	1.0	Yes	0
SunGrains	GA141566-G1-22E44	55.2	.	.	54.7	34	0	1.0	Yes	0
SunGrains	GA101153-22LE24	53.7	.	.	54.2	32	2	1.3	Yes	0
SunGrains	LA14272CBB-3-1-4	52.5	.	.	56.9	32	2	1.3	Yes	0
SunGrains	GA16121ID-22E27	51.1	.	.	53.1	35	1	1.0	Yes	0
SunGrains	GA16YR0060-22E32	50.5	.	.	52.8	30	1	1.8	Yes	1
SunGrains	GA15277-1ID-22LE7	49.0	.	.	51.9	30	0	1.5	Yes	0
SunGrains	LA13019SC-23-3-1-3	47.8	.	.	53.1	32	0	1.8	No	13
SunGrains	NC16V30-747	47.4	.	.	53.9	28	0	2.5	No	0
SunGrains	SCGA14298-32-6	46.2	.	.	55.0	28	2	1.8	Yes	0
SunGrains	LA14272CBW-15-1-2	46.1	.	.	54.6	32	1	1.3	No	19
SunGrains	GA17393DH-22E1	45.3	.	.	54.7	30	1	1.8	Yes	0
SunGrains	GA15560-22E18	44.5	.	.	52.5	30	0	2.0	No	0
SunGrains	LA15298GBB-5-1-4	42.0	.	.	56.4	30	2	2.0	Yes	0
SunGrains	SCGA16259ID-10	35.1	.	.	52.1	30	1	3.0	Yes	0
SunGrains	GA12213-22LE2	30.2	.	.	54.2	28	0	3.0	Yes	0
Average		55.3	91.1	69.1	54.1	32	1	1.4	-	2
LSD at 10% Level		8.8	6.2	4.9	0.8	2	2	0.4	-	3
Model R-squared		0.67	0.75	0.65	-	0.66	0.40	0.72	-	0.75
C.V.		17.6	7.5	7.8	1.5	7.8	227.7	29.1	-	213

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 29, 2022.

Harvested: June 8, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Prior Crop: Soybeans.

Soil Type: Greenville sandy clay loam.

Soil Test: P₂O₅ = 45, K₂O = 248, and pH = 6.00.

Fertilization: Preplant: 11 lb N, 10 lb S, 21 lb P₂O₅, and 21 lb K₂O/acre. Topdress: 50 lb N and 5 lb S/acre.

Management: Conventional tillage.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, D. Dunn, W. Jones, and D. Pearce.

Midville, Georgia: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test			Awns Present?	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging		
		----- bu/acre -----			lb/bu	in	%		
Commercial Varieties									
Mixon Seed	AGS 4043	103.7	92.5	62.1	56.6	34	33	Yes	0
Dyna-Gro	Riverland	102.8	82.4	65.6	56.9	42	3	Yes	0
Dyna-Gro	Blanton	101.8	74.7	60.4	56.2	37	19	Yes	0
Mixon Seed	AGS 3026	97.2	77.1	68.5	55.7	37	1	Yes	0
UniSouth	USG 3640	96.7	83.4	62.2	56.5	39	0	Yes	0
Mixon Seed	AGS 2024	96.7	81.5	64.9	55.9	36	20	Yes	0
Mixon Seed	AGS 3022	96.7	92.3	60.5	57.2	37	27	Yes	0
UniSouth	USG 3752	95.2	82.7	64.7	57.3	38	44	Yes	0
Mixon Seed	AGS 4023	95.0	89.1	60.4	57.6	39	22	Yes	0
Dyna-Gro	Plantation	94.4	99.1	63.3	57.5	37	22	Yes	0
Mixon Seed	AGS 3040	94.1	98.6	58.3	54.3	40	18	No	4
Mixon Seed	AGS 3015	90.0	85.5	59.4	57.3	38	0	Yes	0
AgriMAXX	AM 481	89.1	96.3	65.1	56.7	38	30	Yes	0
Stratton Seed	Go Wheat 2032	85.6	76.0	68.1	56.5	38	0	Yes	0
Pioneer	26R94	80.6	75.3	59.3	57.4	41	4	Yes	0
Stratton Seed	Go Wheat 6000	80.6	77.1	58.8	56.2	38	43	Yes	1
Progeny	#TURBO	75.0	89.2	59.9	56.1	36	0	No	25
Pioneer	26R45	72.2	98.1	56.8	53.0	38	25	No	24
Southern Harvest	SH 5550	70.7	91.9	59.2	56.5	38	0	Yes	35
Stratton Seed	Go Wheat LA754	66.4	72.4	35.2	51.5	39	15	Yes	0
Progeny	#BINGO	60.4	79.0	62.1	50.0	35	30	Yes	0
Mixon Seed	AGS 2021	95.1	84.1	.	57.5	41	6	Yes	0
Harvey's	AP 1983	94.1	.	66.2	56.3	38	9	Yes	0
Progeny	#BUSTER	88.7	97.1	.	55.4	38	27	Yes	0
Progeny	#CHAD	74.5	77.3	.	53.6	32	93	No	13
Pioneer	26R59	74.1	89.2	.	50.9	30	3	No	15
GSDC	GA Gore	67.6	.	44.8	53.1	39	50	No	4
Southern Harvest	SH 7222	94.9	.	.	55.8	37	6	Yes	0
NCCIA	Hilliard	94.7	.	.	54.5	39	3	Yes	0
Dyna-Gro	9290	74.0	.	.	53.7	39	44	Yes	0
NCCIA	NuEast (hard red)	63.0	.	.	52.6	43	24	Yes	0
NCCIA	Appalachian White (hard white)	61.5	.	.	50.1	39	19	Yes	0
Experimentals									
SunGrains	SCLANC11558-33	110.3	98.0	66.9	56.9	37	41	Yes	0
SunGrains	GA151313-LDH-192-20E48	107.0	91.1	69.2	54.9	35	32	Yes	0
SunGrains	GA151313-LDH224-19E38	95.4	93.9	55.6	55.6	36	23	No	2
SunGrains	GA12230-20E36	93.5	91.7	62.9	53.5	37	52	Yes	0
SunGrains	GA111055-19LE12	92.4	101.2	61.4	53.9	38	5	Yes	0
SunGrains	GA131218-20E15	91.0	90.8	59.8	52.6	35	79	Yes	0
SunGrains	NC11546-14	85.8	82.4	50.3	56.6	42	43	Yes	0
SunGrains	GA161240LDH-113-20LE6	77.9	71.9	56.4	55.1	36	30	No	21
SunGrains	GA15490ID-21LE2	108.0	91.4	.	54.5	39	17	Yes	0
SunGrains	GA141556-21LE22	103.5	90.8	.	56.8	39	10	Yes	0
SunGrains	GA17634DH-08-21E36	100.6	68.6	.	56.1	37	14	Yes	0
SunGrains	GA12099-21LE35	96.9	96.7	.	55.6	36	6	Yes	0
SunGrains	GA141045-21LE7	95.0	92.3	.	56.4	43	5	Yes	0
SunGrains	GA15036ID-21E22	93.8	96.4	.	55.0	36	1	Yes	0
SunGrains	GA12213-21LE24	93.5	89.8	.	49.8	36	0	Yes	0
SunGrains	GA15340ID-21LE29	93.2	89.7	.	58.0	38	2	Yes	0
SunGrains	NC15V25-20	93.1	89.8	.	55.8	40	30	No	1
SunGrains	GA131246LDH-86-21E2	88.1	83.1	.	51.7	36	27	Yes	0
SunGrains	GANC12915-21E3	87.0	73.5	.	55.5	37	35	No	22
Dyna-Gro	WX23777	105.6	.	.	58.5	42	5	Yes	0
SunGrains	GA16349ID-22LE31	104.2	.	.	53.4	38	17	Yes	0
SunGrains	NC19-20002	100.9	.	.	55.7	42	3	Yes	0

Midville, Georgia:
Wheat Grain Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Awns Present?	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging		
		----- bu/acre -----			lb/bu	in	%		
SunGrains	GA141028-22LE25	100.2	.	.	53.3	34	1	Yes	0
SunGrains	GA151335-22E13	98.3	.	.	56.7	39	9	Yes	0
SunGrains	GA12213-22LE2	98.1	.	.	50.7	38	10	Yes	0
SunGrains	GA15577-22LE38	96.8	.	.	56.2	40	47	Yes	0
SunGrains	SCLA18WF0304-13	92.8	.	.	58.1	40	2	Yes	0
SunGrains	GA131176-22E8	92.0	.	.	57.1	37	0	Yes	0
SunGrains	GA151450-22LE29	91.9	.	.	52.8	36	39	Yes	0
SunGrains	GA15277-1ID-22LE7	91.2	.	.	53.8	36	5	Yes	0
SunGrains	LA14234CBW-31	90.7	.	.	56.2	39	12	Yes	0
SunGrains	GA17393DH-22E1	90.2	.	.	56.3	37	2	Yes	0
SunGrains	SCGA141638-8-4	88.8	.	.	58.0	41	7	Yes	0
SunGrains	LA14159SB-BR1-1	88.3	.	.	57.8	39	0	Yes	0
SunGrains	GA16121ID-22E27	88.3	.	.	55.6	38	13	Yes	0
SunGrains	GA101153-22LE24	86.3	.	.	56.4	39	22	Yes	0
SunGrains	SCGA151058-2	86.1	.	.	56.3	38	10	Yes	0
SunGrains	GA16YR0060-22E32	85.1	.	.	54.5	38	1	Yes	0
SunGrains	NC16V30-747	85.0	.	.	56.1	37	71	No	9
SunGrains	GA15560-22E18	84.5	.	.	53.5	37	20	No	3
SunGrains	LA14272CBW-15-1-2	77.7	.	.	56.4	40	1	No	5
SunGrains	LA14272CBB-3-1-4	77.2	.	.	57.2	37	3	Yes	0
SunGrains	SCGA14298-32-6	75.2	.	.	57.1	37	74	Yes	0
SunGrains	GA141566-G1-22E44	74.4	.	.	56.0	38	0	Yes	0
SunGrains	GA151433-22LE27	71.8	.	.	51.2	34	2	Yes	0
SunGrains	LA15298GBB-5-1-4	66.3	.	.	57.2	37	4	Yes	0
SunGrains	LA13019SC-23-3-1-3	64.1	.	.	54.4	35	0	No	34
SunGrains	SCGA16259ID-10	60.5	.	.	54.4	39	37	Yes	0
Average		88.1	85.8	58.5	55.3	38	19	-	3
LSD at 10% Level		9.7	5.9	5.4	0.8	2	17	-	9
Model R-squared		0.74	0.80	0.68	-	0.73	0.74	-	0.47
C.V.		12.1	7.5	10.1	1.6	5.3	100.6	-	355

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 17, 2022.

Harvested: June 6, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Prior Crop: Corn.

Soil Type: Dothan sandy loam.

Soil Test: P₂O₅ = 133, K₂O = 141, and pH = 6.42.

Fertilization: Preplant: 18 lb N, 10 lb S, 60 lb P₂O₅, and 46 lb K₂O/acre. Topdress: 120 lb N and 20 lb S/acre.

Management: Conventional tillage. Harmony Extra and 2,4-D used for weed control.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Tifton, Georgia: Wheat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test			Head Date	Awns Present	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging			
		----- bu/acre -----			lb/bu	in	%	mo/day		
Commercial Varieties										
UniSouth	USG 3752	80.6	70.3	68.1	58.3	33	13	03-22	Yes	0
Mixon Seed	AGS 4043	79.4	64.6	63.2	56.0	32	31	03-27	Yes	0
Dyna-Gro	Plantation	79.3	73.7	68.5	57.5	36	15	03-29	Yes	0
Mixon Seed	AGS 3026	76.5	89.1	65.6	56.1	35	10	03-27	Yes	0
Mixon Seed	AGS 4023	76.3	62.1	64.0	57.8	37	14	04-01	Yes	0
Mixon Seed	AGS 2024	75.6	73.3	71.5	56.1	34	13	03-22	Yes	0
Dyna-Gro	Blanton	75.1	69.6	64.6	56.6	33	16	03-19	Yes	0
Pioneer	26R94	74.2	79.3	64.6	56.9	39	13	03-20	Yes	0
Mixon Seed	AGS 3015	73.2	82.6	64.5	57.2	35	12	03-20	Yes	0
Mixon Seed	AGS 3022	72.1	84.1	61.8	55.9	34	39	03-22	Yes	0
Dyna-Gro	Riverland	72.1	80.7	59.2	58.4	35	12	03-24	Yes	0
UniSouth	USG 3640	67.2	73.5	60.5	58.1	36	7	03-23	Yes	0
AgriMAXX	AM 481	66.5	69.2	71.2	56.6	34	12	03-26	Yes	0
Stratton Seed	Go Wheat LA754	66.4	72.6	54.3	54.7	37	7	03-25	Yes	0
Stratton Seed	Go Wheat 6000	64.4	79.4	64.0	55.0	32	52	03-22	Yes	0
Stratton Seed	Go Wheat 2032	63.1	62.2	68.8	56.1	32	11	03-13	Yes	0
Pioneer	26R45	41.5	60.1	59.4	54.1	35	28	04-10	No	38
Progeny	#TURBO	37.9	76.4	61.9	54.0	35	4	04-02	No	46
Mixon Seed	AGS 3040	34.3	72.6	59.7	54.2	39	16	03-29	No	60
Southern Harvest	SH 5550	23.0	75.6	66.5	54.9	35	3	03-21	Yes	93
Progeny	#BINGO	15.2	57.5	62.5	54.9	30	19	04-10	Yes	0
Harvey's	AP 1983	75.0	.	68.3	56.3	35	9	03-23	Yes	0
Mixon Seed	AGS 2021	72.9	66.8	.	57.3	37	18	03-21	Yes	0
Progeny	#BUSTER	54.2	74.5	.	57.0	35	20	04-09	Yes	0
Progeny	#CHAD	41.0	61.6	.	52.8	31	65	03-28	No	63
GSDC	GA Gore	33.8	.	54.8	51.4	34	36	03-13	No	59
Pioneer	26R59	25.4	60.9	.	55.0	29	12	04-10	No	0
NCCIA	Hilliard	64.7	.	.	54.3	33	2	04-07	Yes	0
Southern Harvest	SH 7222	62.3	.	.	53.7	35	3	04-10	Yes	0
NCCIA	NuEast (hard red)	61.8	.	.	56.3	38	5	04-04	Yes	0
NCCIA	Appalachian White (hard white)	35.0	.	.	54.4	36	14	04-09	Yes	0
Dyna-Gro	9290	32.9	.	.	52.4	33	46	04-10	Yes	0
Experimentals										
SunGrains	GA151313-LDH-192-20E48	79.8	68.9	69.4	54.9	30	14	03-26	Yes	0
SunGrains	GA111055-19LE12	75.6	50.8	65.5	53.6	35	5	04-01	Yes	0
SunGrains	SCLANC11558-33	74.1	67.5	62.5	56.8	32	50	03-26	Yes	0
SunGrains	GA131218-20E15	71.3	63.3	61.9	51.8	31	36	03-30	Yes	0
SunGrains	GA12230-20E36	69.6	59.5	65.6	52.4	32	37	03-22	Yes	0
SunGrains	NC11546-14	62.6	53.1	54.4	57.1	38	6	04-07	Yes	0
SunGrains	GA151313-LDH224-19E38	36.1	69.6	66.7	55.2	34	26	03-28	No	78
SunGrains	GA161240LDH-113-20LE6	28.1	84.2	65.4	53.4	34	10	03-21	No	73
SunGrains	GA15036ID-21E22	86.0	74.9	.	55.4	35	15	03-25	Yes	0
SunGrains	GA131246LDH-86-21E2	80.2	83.6	.	54.3	33	9	03-23	Yes	0
SunGrains	GA141045-21LE7	78.6	65.3	.	56.9	40	28	03-30	Yes	0
SunGrains	GA15340ID-21LE29	77.2	80.1	.	58.3	36	2	04-04	Yes	0
SunGrains	GA17634DH-08-21E36	74.1	72.7	.	56.1	33	12	03-24	Yes	0
SunGrains	GA141556-21LE22	73.5	65.2	.	55.2	35	5	04-03	Yes	0
SunGrains	GA15490ID-21LE2	65.5	56.7	.	53.9	34	32	04-04	Yes	0
SunGrains	GA12099-21LE35	63.3	59.4	.	54.9	34	3	04-08	Yes	0
SunGrains	GA12213-21LE24	55.2	67.1	.	48.9	33	4	04-04	Yes	0
SunGrains	GANC12915-21E3	41.7	64.0	.	54.6	34	15	03-25	No	54
SunGrains	NC15V25-20	37.4	63.4	.	54.1	35	13	04-02	No	31
SunGrains	GA151450-22LE29	86.0	.	.	55.4	34	13	03-30	Yes	0
SunGrains	GA16349ID-22LE31	83.7	.	.	54.9	34	22	03-31	Yes	0
SunGrains	GA151335-22E13	83.3	.	.	56.2	35	4	03-24	Yes	0

Tifton, Georgia:
Wheat Grain Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvested Yield			Test			Head Date	Awns Present	Deer Grazed
		2023	2022	2021	Weight	Height	Lodging			
		----- bu/acre -----			lb/bu	in	%			
SunGrains	LA14234CBW-31	82.0	.	.	57.0	35	16	03-24	Yes	0
Dyna-Gro	WX23777	79.7	.	.	59.7	38	2	03-27	Yes	0
SunGrains	GA15577-22LE38	75.2	.	.	55.5	38	31	04-04	Yes	0
SunGrains	GA141028-22LE25	73.7	.	.	53.9	33	2	04-06	Yes	0
SunGrains	SCGA141638-8-4	73.0	.	.	57.4	36	6	03-21	Yes	0
SunGrains	GA151433-22LE27	71.6	.	.	52.2	34	4	04-04	Yes	0
SunGrains	NC19-20002	70.5	.	.	54.8	35	7	04-08	Yes	0
SunGrains	GA141566-G1-22E44	69.4	.	.	56.5	34	1	03-17	Yes	0
SunGrains	LA14159SB-BR1-1	69.0	.	.	58.0	36	7	03-21	Yes	0
SunGrains	SCGA151058-2	68.0	.	.	56.4	34	13	04-01	Yes	0
SunGrains	GA16121ID-22E27	67.4	.	.	55.9	36	12	03-15	Yes	0
SunGrains	GA15277-1ID-22LE7	66.9	.	.	52.6	32	2	03-21	Yes	0
SunGrains	GA131176-22E8	65.8	.	.	57.1	34	5	03-22	Yes	0
SunGrains	GA101153-22LE24	64.7	.	.	56.3	34	41	03-27	Yes	0
SunGrains	GA17393DH-22E1	63.4	.	.	55.3	30	24	03-14	Yes	0
SunGrains	SCGA14298-32-6	61.5	.	.	57.7	35	47	03-28	Yes	0
SunGrains	SCLA18WF0304-13	60.6	.	.	57.5	35	20	03-25	Yes	0
SunGrains	GA16YR0060-22E32	60.2	.	.	53.7	33	13	03-30	Yes	0
SunGrains	LA14272CBB-3-1-4	57.5	.	.	57.4	34	6	03-26	Yes	0
SunGrains	LA15298GBB-5-1-4	50.9	.	.	56.4	32	9	03-21	Yes	0
SunGrains	GA15560-22E18	47.9	.	.	53.2	34	17	03-29	No	30
SunGrains	NC16V30-747	45.9	.	.	53.0	32	35	04-06	No	24
SunGrains	GA12213-22LE2	43.1	.	.	47.3	33	3	04-04	Yes	0
SunGrains	SCGA16259ID-10	37.3	.	.	47.9	34	17	04-03	Yes	0
SunGrains	LA13019SC-23-3-1-3	23.1	.	.	55.0	35	13	03-28	No	80
SunGrains	LA14272CBW-15-1-2	20.4	.	.	54.9	37	4	03-28	No	88
Average		61.6	67.2	62.8	55.2	34	16	03-28	-	10
LSD at 10% Level		7.5	5.1	3.5	1.0	1	11	01-00	-	11
Model R-squared		0.91	0.86	0.79	-	0.92	0.70	1.00	-	0.85
C.V.		13.4	8.4	6.1	2.1	3.9	77.6	0.0	-	113.6

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 14, 2022.

Harvested: May 26, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Prior Crop: Grain sorghum.

Soil Type: Tifton loamy sand.

Soil Test: P₂O₅ = 33, K₂O = 79, and pH = 6.67.

Fertilization: Preplant: 50 lb N, 10 lb S, 70 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 100 lb N and 15lb S/acre.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, and D. Dunn.

Griffin and Plains Georgia: Hessian Fly Susceptibility, 2022-2023

Company or Brand Name	Variety	OVT Grain Test		Non-Replicated nurseries			
		Plains non-fungicide		Plains		Griffin	
		Visual plot rating		Infest. stems	HF/Stem	Infest. stems	HF/Stem
		1-5 scale	T-group	%	count	%	count
Commercial Varieties							
AgriMAXX	AM481	1.00	L	20.0	0.30	5.0	0.20
Dyna-Gro	9290	4.50	ABC	0.0	0.00	35.0	2.05
Dyna-Gro	Blanton	1.50	JKL	15.0	0.20	5.0	0.15
Dyna-Gro	Plantation	1.50	JKL	9.1	0.09	0.0	0.00
Dyna-Gro	Riverland	3.75	CDE	50.0	1.00	5.0	0.20
GSDC	GA Gore	3.25	EFG	65.0	1.65	0.0	0.00
Harvey's	AP 1983	1.00	L	5.0	0.05	5.0	0.05
Mixon Seed	AGS 2021	3.50	DEF	57.1	2.07	15.0	0.35
Mixon Seed	AGS 2024	1.00	L	50.0	1.25	0.0	0.00
Mixon Seed	AGS 3015	2.00	HIJK	35.0	0.65	0.0	0.00
Mixon Seed	AGS 3022	1.75	IJKL	20.0	0.35	5.0	0.20
Mixon Seed	AGS 3026	1.75	IJKL	60.0	1.30	5.0	0.05
Mixon Seed	AGS 3040	1.25	KL	10.0	0.10	5.0	0.10
Mixon Seed	AGS 4023	1.50	JKL	5.0	0.05	0.0	0.00
Mixon Seed	AGS 4043	1.00	L	10.0	0.15	0.0	0.00
NCCIA	Appalachian White	4.00	BCDE	65.0	1.20	0.0	0.00
NCCIA	Hilliard	1.25	KL	25.0	0.60	30.0	0.70
NCCIA	NuEast (hard red)	1.00	L	0.0	0.00	5.0	0.40
Pioneer	26R45	1.75	IJKL	10.0	0.15	5.0	0.10
Pioneer	26R59	4.50	ABC	20.0	0.20	6.3	0.06
Pioneer	26R94	2.25	GHI	50.0	1.45	0.0	0.00
Progeny	#BINGO	5.00	A	35.0	1.20	15.0	0.20
Progeny	#BUSTER	2.50	GHI	5.0	0.15	5.0	0.05
Progeny	#CHAD	3.75	CDE	45.0	1.15	10.0	0.10
Progeny	#TURBO	1.75	IJKL	10.0	0.10	20.0	0.20
Southern Harvest	SH5550	1.00	L	15.0	0.30	0.0	0.00
Southern Harvest	SH7222	2.75	FGH	35.0	0.85	0.0	0.00
Stratton Seed	GoWheat 2032	1.75	IJKL	20.0	0.25	5.0	0.10
Stratton Seed	GoWheat 6000	4.50	ABC	80.0	1.40	20.0	0.35
Stratton Seed	GoWheat LA754	4.00	BCD	45.0	0.55	5.0	0.05
UniSouth	USG 3640	1.50	JKL	35.0	0.35	0.0	0.00
UniSouth	USG 3752	1.00	L	25.0	0.30	0.0	0.00
Experimentals							
Dyna-Gro	WX23777	1.50	JKL	40.0	1.05	0.0	0.00
SunGrains	GA101153-22LE24	2.25	KL	60.0	1.55	10.0	0.15
SunGrains	GA111055-19LE12	1.50	JKL	30.0	0.45	0.0	0.00
SunGrains	GA12099-21LE35	1.25	KL	55.0	0.75	7.1	0.07
SunGrains	GA12213-21LE24	3.75	CDE	75.0	2.45	0.0	0.00
SunGrains	GA12213-22LE2	4.25	ABCD	85.0	3.20	5.0	0.05
SunGrains	GA12230-20E36	1.50	JKL	5.0	0.10	0.0	0.00
SunGrains	GA131176-22E8	1.00	L	20.0	0.20	5.0	0.05
SunGrains	GA131218-20E15	1.25	KL	5.0	0.10	0.0	0.00
SunGrains	GA131246LDH-86-21E2	1.00	L	0.0	0.00	0.0	0.00
SunGrains	GA141028-22LE25	1.00	L	0.0	0.00	0.0	0.00
SunGrains	GA141045-21LE7	1.00	L	10.0	0.15	25.0	0.25
SunGrains	GA141556-21LE22	1.75	IJKL	40.0	0.70	0.0	0.00
SunGrains	GA141566-G1-22E44	1.00	L	0.0	0.00	10.0	0.10
SunGrains	GA15036ID-21E22	1.00	L	20.0	0.25	5.0	0.15
SunGrains	GA151313-LDH-192-20E4E	1.00	L	15.0	0.15	0.0	0.00
SunGrains	GA151313-LDH224-19E38	1.50	JKL	0.0	0.00	5.0	0.05
SunGrains	GA151335-22E13	1.75	IJKL	0.0	0.00	10.0	0.10
SunGrains	GA151433-22LE27	1.50	JKL	50.0	1.30	0.0	0.00
SunGrains	GA151450-22LE29	1.00	L	30.0	0.50	0.0	0.00

Griffin and Plains Georgia: Hessian Fly Susceptibility, 2022-2023 (Continued)

Company or Brand Name	Variety	OVT Grain Test		Non-Replicated nurseries			
		Plains non-fungicide		Plains		Griffin	
		Visual plot rating		Infest. stems	HF/Stem	Infest. stems	HF/Stem
		1-5 scale	T-group	%	count	%	count
SunGrains	GA15277-1ID-22LE7	3.25	EFG	30.0	0.65	0.0	0.00
SunGrains	GA15340ID-21LE29	2.00	HIJK	0.0	0.00	0.0	0.00
SunGrains	GA15490ID-21LE2	3.50	DEF	55.0	1.50	0.0	0.00
SunGrains	GA15560-22E18	2.50	GHI	10.0	0.15	10.0	0.35
SunGrains	GA15577-22LE38	1.25	KL	20.0	0.25	0.0	0.00
SunGrains	GA16121ID-22E27	1.00	L	50.0	0.75	0.0	0.00
SunGrains	GA161240LDH-113-20LE6	1.25	KL	0.0	0.00	5.0	0.15
SunGrains	GA16349ID-22LE31	1.25	KL	40.0	1.10	5.0	0.30
SunGrains	GA16YR0060-22E32	3.50	DEF	35.0	0.60	6.7	0.07
SunGrains	GA17393DH-22E1	2.00	HIJK	0.0	0.00	0.0	0.00
SunGrains	GA17634DH-08-21E36	2.75	FGH	30.0	1.15	5.0	0.05
SunGrains	GANC12915-21E3	1.00	L	0.0	0.00	0.0	0.00
SunGrains	LA13019SC-23-3-1-3	2.00	HIJK	65.0	1.05	5.0	0.05
SunGrains	LA14159SB-BR1-1	1.00	L	0.0	0.00	5.0	0.05
SunGrains	LA14234CBW-31	1.00	L	10.0	0.15	0.0	0.00
SunGrains	LA14272CBB-3-1-4	1.00	L	0.0	0.00	0.0	0.00
SunGrains	LA14272CBW-15-1-2	1.00	L	10.0	0.10	15.0	0.45
SunGrains	LA15298GBB-5-1-4	3.50	DEF	35.0	0.50	0.0	0.00
SunGrains	NC11546-14	1.25	KL	20.0	0.45	10.0	0.30
SunGrains	NC15V25-20	1.25	KL	15.0	0.15	0.0	0.00
SunGrains	NC16V30-747	1.75	IJKL	30.0	0.45	10.0	0.25
SunGrains	NC19-20002	3.25	EFG	55.0	1.70	0.0	0.00
SunGrains	SCGA141638-8-4	1.00	L	10.0	0.15	0.0	0.00
SunGrains	SCGA14298-32-6	2.00	HIJK	40.0	0.60	15.0	0.20
SunGrains	SCGA151058-2	2.75	FGH	40.0	1.30	0.0	0.00
SunGrains	SCGA16259ID-10	4.75	AB	35.7	0.50	0.0	0.00
SunGrains	SCLA18WF0304-13	1.75	IJKL	20.0	0.25	10.0	0.10
SunGrains	SCLANC11558-33	1.25	KL	35.0	0.95	0.0	0.00

1 = no damage 5 = severe damage; SEM=0.3484, F = 9.67, P < 0.0001

2 Unreplicated Hessian fly nursery dissection of 20 stem sample.

Statewide Yield Summary: Oat Grain Performance, 2022-2023

Company or Brand	Variety	Location					Statewide Average	
		Rome	Griffin	Plains	Midville	Tifton	2023	2-Yr Avg
		----- bu/acre -----						
Commercial Varieties								
Mixon	Horizon 578	99.9	98.1	117.8	68.4	91.8	95.2	108.3
Mixon	Horizon 214	100.5	87.3	97.5	93.2	92.5	94.2	106.7
Gerard	Gerard 224	90.4	84.0	106.3	94.8	94.0	93.9	.
Mixon	Horizon 306	87.4	80.9	112.7	85.1	92.2	91.6	99.9
Gerard	Gerard 227	97.5	89.6	90.5	66.8	71.7	83.2	.
Mixon	Horizon 720	64.7	51.9	114.7	64.7	95.2	78.2	87.6
NCFSPI	Rodgers	75.3	89.7	76.6	70.5	74.9	77.4	.
NCFSPI	Brooks	67.2	74.7	61.8	54.0	57.2	63.0	.
Experimentals								
SunGrains	NC12-3578	85.0	94.4	130.6	98.9	95.9	101.0	.
SunGrains	NC19-3542	81.6	86.2	103.0	113.2	119.6	100.7	109.3
SunGrains	NC12-4700	76.6	86.4	102.3	81.8	106.1	90.6	.
SunGrains	NC20-4441	86.2	78.0	101.4	82.7	96.9	89.0	.
SunGrains	NC12-3922	81.7	83.1	102.6	76.2	96.5	88.0	98.9
SunGrains	LA11074SBSBSBSB109-2	22.4	.	94.1	101.8	82.3	87.3	.
SunGrains	LA17089SBS-33-2	56.4	82.1	119.2	60.1	102.4	84.0	.
SunGrains	LA13003SBSBS33-1-1	62.6	76.5	109.5	62.5	88.8	80.0	87.7
SunGrains	LA15015SB-S50	71.5	62.8	111.3	62.8	76.9	77.1	90.4
SunGrains	FL13084-8	52.7	58.4	98.1	58.3	97.8	75.3	81.5
SunGrains	FL1035-2	45.6	53.2	112.6	56.4	83.5	75.0	.
SunGrains	LA14063SBS-34-1-1	70.6	62.8	105.2	63.9	68.6	74.3	83.1
SunGrains	FL13088-3	17.7	63.4	74.5	79.0	86.2	72.9	.
SunGrains	LA17089SBS-25-2	45.5	72.2	94.8	45.0	81.8	67.9	.
SunGrains	FL BO 30a	52.6	49.1	55.8	61.4	65.1	58.1	82.4
SunGrains	FL BO 012	.	.	57.6	30.4	35.1	41.0	42.4
SunGrains	FL BO 07	29.5	.	51.9	32.8	28.1	38.2	.
SunGrains	FL BO 010	52.9	.	44.5	26.8	25.7	34.6	44.8
SunGrains	FL BO 20b	.	.	41.3	30.2	19.3	31.3	38.6
SunGrains	FL BO 017b	.	.	45.3	25.5	20.1	30.3	44.0
SunGrains	FL BO 22b	21.2	.	30.8	33.6	26.0	29.4	37.3
SunGrains	FL BO 01	.	.	37.0	24.8	18.6	28.4	41.3
SunGrains	FL BO 21	30.1	.	38.2	24.3	21.2	27.2	38.0
SunGrains	FL BO 05	.	.	33.2	15.9	17.6	22.1	.
Average		72.3	77.0	84.3	61.0	72.5	73.2	76.6
LSD at 10% Level		20.3	14.3	20.2	15.6	19.0	10.2	7.2
Model R-squared		0.80	0.68	0.81	0.84	0.84	0.68	0.77
C.V.		17.6	14.5	20.2	21.7	21.3	23.7	22.9

Rome, Georgia: Oat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight lb/bu
		2023	2022	2021	
----- bu/acre -----					
Commercial Varieties					
Mixon Seed	Horizon 214	100.5	.	.	36.4
Mixon Seed	Horizon 578	99.9	.	.	37.7
Gerard Seed	Gerard 227	97.5	.	.	35.4
Gerard Seed	Gerard 224	90.4	.	.	35.7
Mixon Seed	Horizon 306	87.4	.	.	34.9
NCFSPI	Rodgers	75.3	.	.	28.1
NCFSPI	Brooks	67.2	.	.	27.1
Mixon Seed	Horizon 720	64.7	.	.	30.7
Experimentals					
SunGrains	NC20-4441	86.2	.	.	34.6
SunGrains	NC12-3578	85.0	.	.	34.0
SunGrains	NC12-3922	81.7	.	.	33.8
SunGrains	NC19-3542	81.6	.	.	35.4
SunGrains	NC12-4700	76.6	.	.	30.4
SunGrains	LA15015SB-S50	71.5	.	.	29.9
SunGrains	LA14063SBS-34-1-1	70.6	.	.	29.0
SunGrains	LA13003SBSBS33-1-1	62.6	.	.	25.1
SunGrains	LA17089SBS-33-2	56.4	.	.	22.8
SunGrains	FL BO 010	52.9	.	.	19.4
SunGrains	FL13084-8	52.7	.	.	15.7
SunGrains	FL BO 30a	52.6	.	.	21.6
SunGrains	FL1035-2	45.6	.	.	21.9
SunGrains	LA17089SBS-25-2	45.5	.	.	20.4
SunGrains	FL BO 21	30.1	.	.	.
SunGrains	FL BO 07	29.5	.	.	.
SunGrains	LA11074SBSBSBSB109-2	22.4	.	.	.
SunGrains	FL BO 22b	21.2	.	.	.
SunGrains	FL13088-3	17.7	.	.	.
SunGrains	FL BO 01	.	.	.	.
SunGrains	FL BO 012	.	.	.	.
SunGrains	FL BO 017b	.	.	.	.
SunGrains	FL BO 05	.	.	.	.
SunGrains	FL BO 20b	.	.	.	.
Average		72.3	-	-	30.5
LSD at 10% Level		20.3	-	-	5.5
Model R-squared		0.80	-	-	0.75
C.V.		17.6	-	-	12.8

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 3, 2022.

Harvested:

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Wax loam.

Previous Crop: Ryegrass.

Soil Test: P = Medium, K = Very high, and pH =6.2

Fertilization: Preplant: 106 lb N, 36 lb P2O5, and 0 lb K2O/acre. Topdress: 70 lb N/acre.

Management: Conventional tillage. Harmony and Zidua used for weed control.

Test conducted by G. Ware, M. Tucker and T. Turnquist.

Griffin, Georgia: Oat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight lb/bu
		2023	2022	2021	
		----- bu/acre -----			
Commercial Varieties					
Mixon Seed	Horizon 578	98.1	138.8	129.0	34.4
NCFSPI	Rodgers	89.7	.	.	31.8
Gerard Seed	Gerard 227	89.6	.	137.4	32.9
Mixon Seed	Horizon 214	87.3	153.7	.	33.2
Gerard Seed	Gerard 224	84.0	.	142.6	30.6
Mixon Seed	Horizon 306	80.9	113.6	134.7	30.6
NCFSPI	Brooks	74.7	.	.	26.0
Mixon Seed	Horizon 720	51.9	116.2	.	19.2
Experimentals					
SunGrains	NC12-3578	94.4	.	.	35.0
SunGrains	NC12-4700	86.4	.	.	31.8
SunGrains	NC19-3542	86.2	130.9	.	30.9
SunGrains	NC12-3922	83.1	127.6	147.3	31.4
SunGrains	LA17089SBS-33-2	82.1	.	.	30.9
SunGrains	NC20-4441	78.0	.	.	30.1
SunGrains	LA13003SBSBS33-1-1	76.5	98.9	.	28.8
SunGrains	LA17089SBS-25-2	72.2	.	.	27.1
SunGrains	FL13088-3	63.4	.	.	23.7
SunGrains	LA15015SB-S50	62.8	104.7	.	29.3
SunGrains	LA14063SBS-34-1-1	62.8	93.9	.	24.2
SunGrains	FL13084-8	58.4	90.1	.	21.6
SunGrains	FL1035-2	53.2	.	.	19.0
SunGrains	FL BO 30a	49.1	112.1	.	18.4
SunGrains	FL BO 01	.	59.9	.	.
SunGrains	FL BO 010	.	53.0	.	.
SunGrains	FL BO 012	.	51.8	.	.
SunGrains	FL BO 017b	.	46.2	.	.
SunGrains	FL BO 05	.	55.4	.	.
SunGrains	FL BO 07	.	50.2	.	.
SunGrains	FL BO 20b	.	45.9	.	.
SunGrains	FL BO 21	.	49.0	.	.
SunGrains	FL BO 22b	.	41.3	.	.
SunGrains	LA11074SBSBSBSB109-2	.	.	.	.
Average		77.0	94.9	131.6	28.8
LSD at 10% Level		14.3	13.4	27.6	3.6
Model R-squared		0.68	0.93	0.43	0.80
C.V.		14.5	12.0	17.6	9.6

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 8, 2022.

Harvested: June 16, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Cecil sandy loam.

Soil Test: P₂O₅ = 23, K₂O = 356, and pH = 6.3.

Fertilization: Preplant: 27 lb N, 70 lb P₂O₅, and 200 lb K₂O/acre. Topdress: 50 lb N/acre.

Management: Conventional tillage. Harmony and Rezuvant used for weed control.

Test conducted by G. Ware, T. Brannon, and H. Jackson.

Plains, Georgia: Oat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight lb/bu
		2023	2022	2021	
		----- bu/acre -----			
Commercial Varieties					
Mixon Seed	Horizon 578	117.8	130.0	159.0	31.3
Mixon Seed	Horizon 720	114.7	97.8	148.7	31.3
Mixon Seed	Horizon 306	112.7	113.5	157.2	31.7
Gerard Seed	Gerard 224	106.3	.	150.3	31.3
Mixon Seed	Horizon 214	97.5	121.9	.	29.4
Gerard Seed	Gerard 227	90.5	.	137.7	29.6
NCFSPI	Rodgers	76.6	.	.	28.2
NCFSPI	Brooks	61.8	.	.	24.9
Experimentals					
SunGrains	NC12-3578	130.6	.	.	32.2
SunGrains	LA17089SBS-33-2	119.2	.	.	35.9
SunGrains	FL1035-2	112.6	.	.	35.8
SunGrains	LA15015SB-S50	111.3	99.0	.	33.8
SunGrains	LA13003SBSBS33-1-1	109.5	91.5	.	33.2
SunGrains	LA14063SBS-34-1-1	105.2	85.8	.	30.5
SunGrains	NC19-3542	103.0	117.1	.	29.4
SunGrains	NC12-3922	102.6	122.2	153.5	31.5
SunGrains	NC12-4700	102.3	.	.	31.1
SunGrains	NC20-4441	101.4	.	.	28.6
SunGrains	FL13084-8	98.1	94.8	.	31.9
SunGrains	LA17089SBS-25-2	94.8	.	.	36.4
SunGrains	LA11074SBSBSBSB109-2	94.1	.	.	29.9
SunGrains	FL13088-3	74.5	.	.	29.4
SunGrains	FL BO 012	57.6	32.9	76.0	28.5
SunGrains	FL BO 30a	55.8	112.9	.	25.5
SunGrains	FL BO 07	51.9	64.3	.	31.1
SunGrains	FL BO 017b	45.3	97.5	.	28.6
SunGrains	FL BO 010	44.5	62.5	86.5	35.3
SunGrains	FL BO 20b	41.3	44.1	.	30.8
SunGrains	FL BO 21	38.2	54.2	.	.
SunGrains	FL BO 01	37.0	38.9	78.5	.
SunGrains	FL BO 05	33.2	57.8	.	.
SunGrains	FL BO 22b	30.8	32.7	.	.
Average		84.3	86.0	120.0	31.4
LSD at 10% Level		20.2	32.4	19.2	2.5
Model R-squared		0.81	0.60	0.84	0.81
C.V.		20.2	32.1	13.8	5.0

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 29, 2022.

Harvested: June 8, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Greenville sandy clay loam.

Soil Test: P₂O₅ = 45, K₂O = 248, and pH = 6.0.

Fertilization: Preplant: 11 lb N, 21 lb P₂O₅, and 21 lb K₂O/acre. Topdress: 50 lb N and 5 lb S/acre.

Management: Conventional tillage. No herbicides used.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, D. Dunn, W. Jones, and D. Pearce.

Midville, Georgia: Oat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight lb/bu
		2023	2022	2021	
		----- bu/acre -----			
Commercial Varieties					
Gerard Seed	Gerard 224	94.8	.	87.9	28.1
Mixon Seed	Horizon 214	93.2	101.6	.	26.0
Mixon Seed	Horizon 306	85.1	80.6	57.6	30.2
NCFSPI	Rodgers	70.5	.	.	26.1
Mixon Seed	Horizon 578	68.4	97.4	90.7	29.1
Gerard Seed	Gerard 227	66.8	.	72.7	24.6
Mixon Seed	Horizon 720	64.7	78.1	65.2	25.2
NCFSPI	Brooks	54.0	.	.	22.3
Experimentals					
SunGrains	NC19-3542	113.2	97.1	.	27.5
SunGrains	LA11074SBSBSBSB109-2	101.8	.	.	29.0
SunGrains	NC12-3578	98.9	.	.	30.5
SunGrains	NC20-4441	82.7	.	.	27.9
SunGrains	NC12-4700	81.8	.	.	26.7
SunGrains	FL13088-3	79.0	.	.	26.0
SunGrains	NC12-3922	76.2	73.2	83.7	27.4
SunGrains	LA14063SBS-34-1-1	63.9	77.5	.	26.3
SunGrains	LA15015SB-S50	62.8	83.9	.	29.8
SunGrains	LA13003SBSBS33-1-1	62.5	78.2	.	26.2
SunGrains	FL BO 30a	61.4	79.6	.	19.0
SunGrains	LA17089SBS-33-2	60.1	.	.	30.0
SunGrains	FL13084-8	58.3	56.6	.	25.6
SunGrains	FL1035-2	56.4	.	.	24.8
SunGrains	LA17089SBS-25-2	45.0	.	.	24.6
SunGrains	FL BO 22b	33.6	32.9	.	17.0
SunGrains	FL BO 07	32.8	36.8	.	23.8
SunGrains	FL BO 012	30.4	32.0	24.6	21.0
SunGrains	FL BO 20b	30.2	25.3	.	22.5
SunGrains	FL BO 010	26.8	33.3	17.6	25.0
SunGrains	FL BO 017b	25.5	17.0	.	17.3
SunGrains	FL BO 01	24.8	36.0	21.5	24.2
SunGrains	FL BO 21	24.3	27.5	.	22.2
SunGrains	FL BO 05	15.9	29.3	.	.
Average		61.0	66.4	54.0	25.8
LSD at 10% Level		15.6	13.8	10.6	2.9
Model R-squared		0.84	0.89	0.93	0.77
C.V.		21.7	17.6	16.7	8.6

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 17, 2022.

Harvested: June 6, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Dothan sandy loam.

Soil Test: P₂O₅ = 133, K₂O = 141, and pH = 6.4.

Fertilization: Preplant: 18 lb N, 60 lb P₂O₅, 46 lb K₂O, and 10 lb S/acre. Topdress: 120 lb N and 20 lb S/acre.

Management: Conventional tillage. Harmony Extra and 2,4-D used for weed control.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Note: Bolding in 2023 yields is based on LSD range from highest *commercial* variety.

Tifton, Georgia: Oat Grain Performance, 2022-2023

Company or Brand Name	Variety	Harvest Year			Test Weight lb/bu
		2023	2022	2021	
		----- bu/acre -----			
Commercial Varieties					
Mixon Seed	Horizon 720	95.2	105.5	82.6	29.5
Gerard Seed	Gerard 224	94.0	.	87.4	31.9
Mixon Seed	Horizon 214	92.5	112.2	.	28.6
Mixon Seed	Horizon 306	92.2	133.6	72.9	32.9
Mixon Seed	Horizon 578	91.8	132.3	66.3	32.4
NCFSPI	Rodgers	74.9	.	.	28.8
Gerard Seed	Gerard 227	71.7	.	69.3	28.3
NCFSPI	Brooks	57.2	.	.	24.8
Experimentals					
SunGrains	NC19-3542	119.6	135.4	.	29.5
SunGrains	NC12-4700	106.1	.	.	31.3
SunGrains	LA17089SBS-33-2	102.4	.	.	33.1
SunGrains	FL13084-8	97.8	112.1	.	31.7
SunGrains	NC20-4441	96.9	.	.	31.7
SunGrains	NC12-3922	96.5	127.0	80.5	31.4
SunGrains	NC12-3578	95.9	.	.	30.6
SunGrains	LA13003SBSBS33-1-1	88.8	121.0	.	34.2
SunGrains	FL13088-3	86.2	.	.	28.7
SunGrains	FL1035-2	83.5	.	.	31.7
SunGrains	LA11074SBSBSBSB109-2	82.3	.	.	30.0
SunGrains	LA17089SBS-25-2	81.8	.	.	33.8
SunGrains	LA15015SB-S50	76.9	140.3	.	32.6
SunGrains	LA14063SBS-34-1-1	68.6	119.7	.	28.7
SunGrains	FL BO 30a	65.1	122.0	.	26.7
SunGrains	FL BO 012	35.1	56.9	73.3	.
SunGrains	FL BO 07	28.1	47.7	.	27.0
SunGrains	FL BO 22b	26.0	67.7	.	.
SunGrains	FL BO 010	25.7	61.2	60.0	.
SunGrains	FL BO 21	21.2	53.3	.	23.4
SunGrains	FL BO 017b	20.1	56.3	.	.
SunGrains	FL BO 20b	19.3	59.5	.	.
SunGrains	FL BO 01	18.6	62.5	49.7	.
SunGrains	FL BO 05	17.6	45.9	.	.
Average		72.5	100.4	72.4	30.6
LSD at 10% Level		19.0	18.4	15.2	1.8
Model R-squared		0.84	0.86	0.70	0.81
C.V.		21.3	15.6	17.9	4.3

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 14, 2022.

Harvested: May 25, 2023.

Seeding Rate: 105 lbs/acre in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P₂O₅ = 70, K₂O = 80, and pH = 6.7.

Fertilization: Preplant: 50 lb N, 70 lb P₂O₅, 80 lb K₂O, and 10 lb S/acre. Topdress: 50 lb N and 8 lb S/acre.

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by K. Cawley, M. Cofield, W. Mosteller, and D. Dunn.

Note: Bolding in 2023 and 2021 yields is based on LSD range from highest *commercial* variety.

Citra, Florida:
Oat Disease Susceptibility Ratings, 2022-2023

Company or Brand Name	Variety	Head Date mo/day	Crown Rust 0-9	Barley Yellow Dwarf Virus 0-9	Septoria Leaf Blotch 0-9
Commercial Varieties					
Gerard Seed	Gerard 224	Killed	8	0	0
Gerard Seed	Gerard 227	Killed	8	0	0
Mixon Seed	Horizon 214	Killed	8	0	0
Mixon Seed	Horizon 306	03-25	3	4	3
Mixon Seed	Horizon 306	03-25	4	3	3
Mixon Seed	Horizon 578	Killed	8	0	0
NCFSPI	Brooks	Killed	9	0	0
NCFSPI	Horizon 720	03-16	3	4	3
NCFSPI	Rodgers	Killed	8	2	3
TriCal Superior	Cadillac	03-12	1	0	0
Experimentals					
SunGrains	FL BO 01	03-05	4	4	3
SunGrains	FL BO 010	03-09	3	5	2
SunGrains	FL BO 012	03-07	3	6	1
SunGrains	FL BO 017b	03-02	3	5	2
SunGrains	FL BO 05	02-27	0	5	2
SunGrains	FL BO 07	02-28	0	4	3
SunGrains	FL BO 20b	03-01	3	4	2
SunGrains	FL BO 21	02-28	3	5	3
SunGrains	FL BO 22b	02-27	4	4	3
SunGrains	FL BO 30a	.	4	4	2
SunGrains	FL1035-2	03-09	0	2	3
SunGrains	FL13084-8	03-06	2	2	4
SunGrains	FL13088-3	03-17	2	4	2
SunGrains	LA11074SBSBSBSB109-2	03-07	1	3	4
SunGrains	LA13003SBSBS330101	Killed	1	6	2
SunGrains	LA14063SBS-34-1-1	03-16	0	1	3
SunGrains	LA15015SB-S50	03-25	0	4	2
SunGrains	LA17089SBS-25-2	Killed	7	0	0
SunGrains	LA17089SBS-33-2	03-16	0	1	3
SunGrains	NC12-3578	Killed	8	0	0
SunGrains	NC12-3922	Killed	7	0	0
SunGrains	NC19-3542	03-15	7	0	0
SunGrains	NC20-4441	Killed	9	0	0
SunGrains	NC12-4700	03-16	4	1	1
SunGrains	TX15OCS6163	03-20	0	4	3
SunGrains	TX16OCS7048	03-10	2	3	2
SunGrains	TX16OCS7093	03-13	2	3	3
SunGrains	TX17OCS8075	03-24	3	4	3
Average		03-11	3.7	2.6	1.8
LSD at 10% Level		3.8	3.0	2.3	1.8
C.V.		7.5	15.0	21.0	19.0

0 = No disease, 9 = Most Severe.

Test conducted by M. A. Babar.

**Quincy, Florida:
Triticale Grain Performance, 2022-2023**

Company or Brand Name	Variety	Yield ----- bu/acre -----	Head Date mo/day
Commercial Varieties			
TriCal Superior	342	65.5	03-01
TriCal Superior	1143	58.4	02-26
TriCal Superior	Surge	33.3	03-18
TriCal Superior	Hybrid Flex	31.0	03-12
NCFSPI	NCPT01-1433	21.9	03-10
Experimentals			
TriCal Superior	21T01	63.6	03-07
SunGrains	FL 08128	35.1	02-28
Average		43.4	66.1
LSD at 10% Level		13.0	5.6
C.V.		19.0	7.5

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Test conducted by M. A. Babar.

Forage Yield Summary: Oat, Wheat, Triticale, Rye and Ryegrass, 2022-2023

Company or Brand Name	Variety	Griffin	Plains	Tifton	Marianna, FL	Across Locations
----- dry pounds/acre -----						
Oat						
Mixon Seed	Horizon 306	7,529	5,416	7,028	3,602	5,244
Mixon Seed	Horizon 578	7,423	4,574	6,752	3,638	4,958
Mixon Seed	Horizon 214	6,796	5,053	6,389	3,596	4,860
SunGrains	LA13003SBSBS33-1-1	6,973	5,009	6,766	3,528	4,847
TriCal Superior	Cadillac	6,002	4,138	7,187	3,525	4,669
SunGrains	LA17089SBS-33-2	6,890	4,037	6,578	3,730	4,652
SunGrains	LA17089SBS-25-2	6,183	4,182	7,115	3,605	4,567
SunGrains	LA15015SB-S50	5,831	4,240	6,897	3,613	4,430
SunGrains	LA14063SBS-34-1-1	3,744	4,153	6,650	3,571	3,905
SunGrains	FL13088-3	4,264	3,456	6,360	3,491	3,848
SunGrains	FL13084-8	4,577	2,875	6,360	3,464	3,742
Mixon Seed	Horizon 720	1,820	4,327	6,607	3,623	3,513
SunGrains	FL1035-2	2,888	3,282	6,810	3,230	3,439
SunGrains	LA11074SBSBSBSB109-2	64	2,919	5,764	2,968	2,294
SunGrains	FL BO 01	46	.	4,850	1,426	.
SunGrains	FL BO 05	46	.	5,097	1,190	.
SunGrains	FL BO 07	0	.	5,489	1,263	.
SunGrains	FL BO 10	38	.	4,835	1,217	.
SunGrains	FL BO 12	17	.	4,937	2,003	.
SunGrains	FL BO 17b	0	.	4,719	1,200	.
SunGrains	FL BO 20b	29	.	4,603	1,503	.
SunGrains	FL BO 21	0	.	4,501	1,355	.
SunGrains	FL BO 22b	41	.	4,269	1,212	.
SunGrains	FL BO 30a	1,974	.	6,287	3,340	.
SunGrains	TX15OCS6163	6,256	4,080	6,766	.	.
SunGrains	TX16OCS7048	5,117	4,022	6,505	.	.
SunGrains	TX16OCS7093	7,442	4,763	7,681	.	.
SunGrains	TX17OCS8075	6,424	4,719	6,215	.	.
Average		3,483	4,180	6,072	2,704	4,212
LSD at 10% Level		1,380	395	453	308	632
Model R-squared		0.90	0.86	0.89	0.95	0.42
C.V.		37.4	8.9	7.1	10.7	28.6
Wheat						
ForageXtreme	SSI30-06	4,152	2,933	6,461	2,273	3,955
Mixon Seed	AGS 2024	4,191	3,325	6,055	3,248	4,205
Ogletree	Johnson	4,537	.	.	3,420	.
SunGrains	GA12230-20E36	4,391	3,078	6,708	.	.
SunGrains	GA131218-20E15	4,274	3,717	7,115	.	.
SunGrains	GA151313-LDH-192-20E48	4,188	3,470	5,982	.	.
SunGrains	GA161240LDH-113-20LE6	4,765	3,107	5,314	.	.
Average		4,357	3,272	6,273	2,980	4,080
LSD at 10% Level		NS	307	529	359	NS
Model R-squared		0.26	0.75	0.73	0.88	0.92
C.V.		13.8	8.4	7.5	9.6	11.8

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Note: A severe winter freeze on December 24, 2022 killed or damaged multiple varieties, particularly black oats at Griffin and Plains. Minimum temperatures recorded at the test sites were 8.1 (Griffin), 12.9 (Plains), 15.5 (Tifton), and 17.7 (Marianna) degrees F. Yields missing at Plains are due to poor condition of any surviving plots, while those at Marianna are from the TX lines not being tested at that site.

Forage Yield Summary: Oat, Wheat, Triticale, Rye and Ryegrass, 2022-2023 (Continued)

Company or Brand Name	Variety	Griffin	Plains	Tifton	Marianna, FL	Across Locations
----- dry pounds/acre -----						
<u>Triticale</u>						
TriCal Superior	Surge	6,343	3,920	6,650	2,370	4,407
NCFSPI	NCPT01-1433	7,059	3,398	5,518	2,551	4,406
TriCal Superior	342	5,768	3,949	5,271	2,425	4,215
TriCal Superior	Hybrid Flex	7,090	3,165	5,561	2,259	4,214
TriCal Superior	21T01	5,500	3,645	6,098	2,925	4,128
SunGrains	FL 08128	4,838	3,557	4,487	2,166	3,617
TriCal Superior	1143	4,138	3,717	4,588	2,256	3,504
Average		5,819	3,622	5,453	2,422	4,070
LSD at 10% Level		867	NS	296	248	364
Model R-squared		0.76	0.56	0.93	0.75	0.8
C.V.		13.5	9.3	4.9	9.3	17.0
<u>Rye</u>						
GSDC	Wrens Abruzzi	6,055	3,833	6,447	3,025	4,575
TriCal Superior	Swift	4,703	3,688	7,071	3,217	4,289
SunGrains	FL 406	4,418	3,935	6,505	3,149	4,230
Kelly Seed	Kelly Grazer III	6,045	3,528	7,071	2,503	4,170
SunGrains	FL 404 4X	4,313	3,688	6,229	2,785	3,960
SunGrains	FL 405	3,728	3,804	6,258	2,650	3,820
KWS Cereals	Aviator	4,100	1,975	6,432	1,418	3,020
KWS Cereals	SH-O6	3,847	2,439	5,198	1,629	2,948
Average		4,651	3,361	6,402	2,547	3,876
LSD at 10% Level		797	259	479	329	323
Model R-squared		0.74	0.94	0.73	0.9	0.8
C.V.		15.6	7.0	6.8	11.8	15.8

Forage Yield Summary: Oat, Wheat, Triticale, Rye and Ryegrass, 2022-2023 (Continued)

Company or Brand Name	Variety	Rome	Griffin	Plains	Tifton	Marianna, FL	Across Locations
----- dry pounds/acre -----							
Ryegrass							
Wax Seed	ME4	6,706	7,276	4,037	6,026	4,037	5,616
Lewis Seed	Grits	6,301	7,192	4,356	6,040	2,984	5,375
DLF Pickseed	Flying A	5,628	7,049	4,022	6,098	2,963	5,152
Ragan & Massey	Earlyploid	5,430	6,299	3,688	6,810	3,473	5,140
DLF Pickseed	Triangle T	5,137	7,491	3,485	5,907	3,192	5,042
Grassland Oregon	Lonestar	5,819	6,432	4,429	5,430	3,038	5,030
DLF Pickseed	Andes	5,983	7,112	3,877	4,763	3,379	5,023
DLF Pickseed	Angusta	5,675	6,502	3,412	6,490	2,994	5,015
MVS	Ranahan	5,726	7,309	3,703	4,748	3,138	4,925
DLF Pickseed	Credece	5,615	6,975	3,078	5,735	3,113	4,903
Ragan & Massey	Prine	4,461	6,942	3,761	5,750	3,579	4,898
DLF Pickseed	Winterhawk	5,505	7,201	3,790	5,126	2,833	4,891
MVS	Centurion	6,821	6,142	4,269	4,225	2,936	4,879
Ragan & Massey	RM4L	5,029	6,889	2,977	5,939	3,508	4,868
Wax Seed	Wax Marshall	6,313	6,697	3,006	4,980	3,128	4,825
Grassland Oregon	Tetrastar	4,873	6,389	3,601	6,084	3,171	4,824
Wax Seed	WMWL-2	6,668	6,076	3,790	4,356	3,157	4,809
Wax Seed	ME-94	6,384	6,828	3,035	4,283	3,232	4,752
Wax Seed	WMWL	5,448	6,236	3,732	5,111	3,020	4,709
Wax Seed	Nelson Tetraploid	4,728	6,042	3,252	6,389	3,032	4,689
DLF Pickseed	Diamond T	5,050	7,067	3,223	5,126	2,835	4,660
DLF Pickseed	TAMTBO	5,401	6,527	3,601	4,661	3,077	4,653
DLF Pickseed	Double Diamond	5,327	6,004	3,238	5,038	2,981	4,518
Grassland Oregon	GO-MOT	4,783	6,068	2,439	5,576	3,109	4,395
Wax Seed	Jackson	4,634	6,449	2,860	4,283	2,715	4,188
BrettYoung	Torpedo	5,043	5,817	1,917	4,501	1,695	3,794
UF	FLE diploid	.	.	3,093	6,302	.	.
UF	FL SME diploid	.	.	4,196	5,692	4,639	.
UF	FLP16 GRB diploid	.	.	4,254	5,242	4,375	.
UF	FL 4xC tetraploid	.	.	.	.	4,082	.
Smith Seed	Mantis	.	.	.	.	3,478	.
Smith Seed	FrostProof	.	.	.	.	3,418	.
Smith Seed	Halsey	.	.	.	.	3,093	.
Smith Seed	Trinova	.	.	.	.	3,034	.
Smith Seed	Green Dragon	.	.	.	.	2,749	.
Smith Seed	Dexter	.	.	.	.	2,286	.
Smith Seed	Baqueano	.	.	.	.	2,250	.
Smith Seed	Rapido	.	.	.	.	1,921	.
Smith Seed	GrazeKeeper	.	.	.	.	1,569	.
Smith Seed	Gulf	.	.	.	.	1,260	.
Average		5,557	6,654	3,521	5,404	3,038	4,830
LSD at 10% Level		1,016	NS	541	911	358	-
Model R-squared		0.42	0.58	0.69	0.76	0.86	-
C.V.		17.2	13.6	14.5	15.9	11.2	-

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.
NS indicates no statistically significant difference between varieties.

Rome, Georgia: Ryegrass Forage Performance, 2022-2023

Company or Brand Name	Variety	Harvest Date		Season
		3-24-23	4-28-23	Total
----- dry pounds/acre -----				
BrettYoung	Torpedo	1,547	3,495	5,043
DLF Pickseed	Andes	1,718	4,265	5,983
DLF Pickseed	Angusta	1,991	3,685	5,675
DLF Pickseed	Credence	1,607	4,008	5,615
DLF Pickseed	Diamond T	1,250	3,800	5,050
DLF Pickseed	Double Diamond	1,742	3,585	5,327
DLF Pickseed	Flying A	1,760	3,868	5,628
DLF Pickseed	TAMTBO	1,624	3,777	5,401
DLF Pickseed	Triangle T	1,491	3,646	5,137
DLF Pickseed	Winterhawk	1,615	3,890	5,505
Grassland Oregon	GO-MOT	1,322	3,461	4,783
Grassland Oregon	Lonestar	2,056	3,763	5,819
Grassland Oregon	Tetrastar	1,709	3,164	4,873
Lewis Seed	Grits	2,505	3,796	6,301
MVS	Centurion	2,488	4,333	6,821
MVS	Ranahan	2,019	3,707	5,726
Ragan & Massey	Earlyploid	2,122	3,308	5,430
Ragan & Massey	Prine	1,371	3,090	4,461
Ragan & Massey	RM4L	1,715	3,315	5,029
Wax Seed	Jackson	1,505	3,128	4,634
Wax Seed	ME4	2,468	4,238	6,706
Wax Seed	ME-94	2,091	4,293	6,384
Wax Seed	Nelson Tetraploid	1,622	3,106	4,728
Wax Seed	Wax Marshall	2,004	4,309	6,313
Wax Seed	WMWL	1,696	3,752	5,448
Wax Seed	WMWL-2	2,216	4,452	6,668
Average		1,818	3,740	5,557
LSD at 10% Level		NS	489	NS
Model R-squared		0.34	0.59	0.42
C.V.		36.6	12.3	17.2

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted:

Seeding Rate: 25 lb/acre in 7" rows.

Soil Type: Etowah and Wax loam.

Previous Crop:

Soil Test:

Fertilization:

Management: Conventional tillage. Harmony Extra used for weed control.

Test conducted by G. Ware, M. Tucker, and T. Turnquist.

Griffin, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023

Company or Brand Name	Variety	Harvest Date		Season Total
		3-8-23	4-18-23	
----- dry pounds/acre -----				
Oat				
Mixon Seed	Horizon 306	1,150	6,379	7,529
SunGrains	TX16OCS7093	932	6,510	7,442
Mixon Seed	Horizon 578	784	6,639	7,423
SunGrains	LA13003SBSBS33-1-1	1,269	5,703	6,973
SunGrains	LA17089SBS-33-2	868	6,022	6,890
Mixon Seed	Horizon 214	825	5,971	6,796
SunGrains	TX17OCS8075	375	6,050	6,424
SunGrains	TX15OCS6163	595	5,661	6,256
SunGrains	LA17089SBS-25-2	874	5,309	6,183
TriCal Superior	Cadillac	804	5,198	6,002
SunGrains	LA15015SB-S50	523	5,309	5,831
SunGrains	TX16OCS7048	729	4,388	5,117
SunGrains	FL13084-8	276	4,301	4,577
SunGrains	FL13088-3	363	3,901	4,264
SunGrains	LA14063SBS-34-1-1	285	3,460	3,744
SunGrains	FL1035-2	317	2,571	2,888
SunGrains	FL BO 30a	322	1,652	1,974
Mixon Seed	Horizon 720	322	1,498	1,820
SunGrains	LA11074SBSBSBSB109-2	64	0	64
SunGrains	FL BO 01	46	0	46
SunGrains	FL BO 05	46	0	46
SunGrains	FL BO 22b	41	0	41
SunGrains	FL BO 10	38	0	38
SunGrains	FL BO 20b	29	0	29
SunGrains	FL BO 07	23	0	23
SunGrains	FL BO 21	23	0	23
SunGrains	FL BO 12	17	0	17
SunGrains	FL BO 17b	15	0	15
Average		427	3,090	3,483
LSD at 10% Level		212	1,297	1,380
Model R-squared		0.85	0.88	0.90
C.V.		46.8	39.6	37.4

Griffin, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvest Date		Season Total	
		3-1-23	4-20-23		
----- dry pounds/acre -----					
<u>Wheat</u>					
Mixon Seed	AGS 2024	2,162	2,028	.	4,191
SunGrains	GA161240LDH-113-20LE6	2,028	2,737	.	4,765
SunGrains	GA12230-20E36	1,392	2,998	.	4,391
SunGrains	GA151313-LDH-192-20E48	1,259	2,929	.	4,188
SunGrains	GA131218-20E15	1,215	3,060	.	4,274
Ogletree	Johnson	1,310	3,227	.	4,537
ForageXtreme	SSI30-06	562	3,590	.	4,152

Average		1,418	2,938	.	4,357
LSD at 10% Level		393	400	.	NS
Model R-squared		0.78	0.73	.	0.26
C.V.		25.0	12.3	.	13.8
<u>Triticale</u>					
		<u>2-23-23</u>	<u>4-20-23</u>		
TriCal Superior	Hybrid Flex	1,976	5,114	.	7,090
NCFSPI	NCPT01-1433	1,806	5,253	.	7,059
TriCal Superior	Surge	1,786	4,557	.	6,343
TriCal Superior	342	2,194	3,574	.	5,768
TriCal Superior	21T01	1,041	4,459	.	5,500
SunGrains	FL 08128	2,055	2,783	.	4,838
TriCal Superior	1143	1,800	2,337	.	4,138

Average		1,808	4,011	-	5,819
LSD at 10% Level		NS	609	-	867
Model R-squared		0.64	0.87	-	0.76
C.V.		30.5	13.7	-	13.5
<u>Rye</u>					
		<u>3-1-23</u>	<u>4-20-23</u>		
GSDC	Wrens Abruzzi	3,333	2,722	.	6,055
Kelly Seed	Kelly Grazer III	938	5,107	.	6,045
TriCal Superior	Swift	2,430	2,273	.	4,703
SunGrains	FL 406	2,219	2,199	.	4,418
SunGrains	FL 404 4X	2,646	1,667	.	4,313
KWS Cereals	Aviator	256	3,844	.	4,100
KWS Cereals	SH-O6	774	3,073	.	3,847
SunGrains	FL 405	2,435	1,294	.	3,728

Average		1,879	2,772	-	4,651
LSD at 10% Level		388	648	-	797
Model R-squared		0.93	0.87	-	0.74
C.V.		18.8	21.3	-	15.6

**Griffin, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023 (Continued)**

Company or Brand Name	Variety	Harvest Date			Season
		3-8-23	4-17-23	5-8-23	Total
		----- dry pounds/acre -----			
Ryegrass					
BrettYoung	Torpedo	828	3,560	1,429	5,817
DLF Pickseed	Andes	1,830	3,750	1,533	7,112
DLF Pickseed	Angusta	1,241	3,843	1,417	6,502
DLF Pickseed	Credence	1,526	3,620	1,829	6,975
DLF Pickseed	Diamond T	1,620	4,049	1,397	7,067
DLF Pickseed	Double Diamond	920	3,409	1,676	6,004
DLF Pickseed	Flying A	2,226	3,591	1,231	7,049
DLF Pickseed	TAMTBO	1,419	3,409	1,698	6,527
DLF Pickseed	Triangle T	1,954	3,866	1,671	7,491
DLF Pickseed	Winterhawk	1,893	3,727	1,581	7,201
Grassland Oregon	GO-MOT	987	3,599	1,482	6,068
Grassland Oregon	Lonestar	1,194	3,829	1,409	6,432
Grassland Oregon	Tetrastar	1,210	3,656	1,523	6,389
Lewis Seed	Grits	2,129	3,562	1,500	7,192
MVS	Centurion	1,278	3,349	1,515	6,142
MVS	Ranahan	1,541	3,886	1,883	7,309
Ragan & Massey	Earlyploid	1,448	3,515	1,336	6,299
Ragan & Massey	Prine	1,587	3,901	1,454	6,942
Ragan & Massey	RM4L	1,172	3,905	1,812	6,889
Wax Seed	Jackson	1,065	4,127	1,258	6,449
Wax Seed	ME4	1,905	4,044	1,326	7,276
Wax Seed	ME-94	1,586	4,022	1,220	6,828
Wax Seed	Nelson Tetraploid	1,046	3,342	1,654	6,042
Wax Seed	Wax Marshall	1,655	3,775	1,266	6,697
Wax Seed	WMWL	1,141	4,083	1,012	6,236
Wax Seed	WMWL-2	1,308	3,560	1,208	6,076
Average		1,450	3,730	1,474	6,654
LSD at 10% Level		NS	NS	241	NS
Model R-squared		0.63	0.34	0.62	0.58
C.V.		41.9	11.7	15.4	13.6

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted:

Seeding Rate: 105 lb/acre, except ryegrass at 25 lb/acre, in 7-inch rows.

Soil Type: Cecil sandy loam.

Previous Crop:

Soil Test:

Fertilization:

Management:

Test conducted by G. Ware, J. Gassett, H. Jackson, and T. Brannon.

Plains, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023

Company or Brand Name	Variety	Harvest Date			Season
		2-9-23	3-8-23	4-18-23	Total
		----- dry pounds/acre -----			
Oat					
Mixon Seed	Horizon 306	102	1,452	3,862	5,416
Mixon Seed	Horizon 214	261	1,292	3,499	5,053
SunGrains	LA13003SBSBS33-1-1	131	1,699	3,180	5,009
SunGrains	TX16OCS7093	203	1,684	2,875	4,763
SunGrains	TX17OCS8075	87	1,859	2,773	4,719
Mixon Seed	Horizon 578	160	1,249	3,165	4,574
Mixon Seed	Horizon 720	145	1,249	2,933	4,327
SunGrains	LA15015SB-S50	87	958	3,194	4,240
SunGrains	LA17089SBS-25-2	116	1,263	2,802	4,182
SunGrains	LA14063SBS-34-1-1	102	1,162	2,889	4,153
TriCal Superior	Cadillac	102	1,147	2,889	4,138
SunGrains	TX15OCS6163	174	1,583	2,323	4,080
SunGrains	LA17089SBS-33-2	334	1,350	2,352	4,037
SunGrains	TX16OCS7048	261	1,336	2,425	4,022
SunGrains	FL13088-3	87	973	2,396	3,456
SunGrains	FL1035-2	87	494	2,701	3,282
SunGrains	LA11074SBSBSBSB109-2	87	508	2,323	2,919
SunGrains	FL13084-8	87	566	2,222	2,875
SunGrains	FL BO 01	0	0	0	0
SunGrains	FL BO 05	0	0	0	0
SunGrains	FL BO 07	0	0	0	0
SunGrains	FL BO 10	0	0	0	0
SunGrains	FL BO 12	0	0	0	0
SunGrains	FL BO 17b	0	0	0	0
SunGrains	FL BO 20b	0	0	0	0
SunGrains	FL BO 21	0	0	0	0
SunGrains	FL BO 22b	0	0	0	0
SunGrains	FL BO 30a	0	0	0	0
Average		145	1,212	2,823	4,180
LSD at 10% Level		57	253	382	395
Model R-squared		0.75	0.81	0.73	0.86
C.V.		36.8	19.5	12.7	8.9

Plains, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvest Date			Season
		2-9-23	3-8-23	4-18-23	Total
----- dry pounds/acre -----					
Wheat					
SunGrains	GA131218-20E15	276	1,234	2,207	3,717
SunGrains	GA151313-LDH-192-20E48	203	1,742	1,525	3,470
Mixon Seed	AGS 2024	348	1,757	1,220	3,325
SunGrains	GA161240LDH-113-20LE6	392	1,786	929	3,107
SunGrains	GA12230-20E36	116	1,699	1,263	3,078
ForageXtreme	SSI30-06	276	1,031	1,626	2,933
Average		269	1,542	1,462	3,272
LSD at 10% Level		NS	174	124	307
Model R-squared		0.38	0.88	0.96	0.75
C.V.		59.0	10.1	7.6	8.4
Triticale					
TriCal Superior	342	1,118	2,425	407	3,949
TriCal Superior	Surge	610	1,379	1,931	3,920
TriCal Superior	1143	1,104	2,207	407	3,717
TriCal Superior	21T01	958	1,946	741	3,645
SunGrains	FL 08128	958	2,280	319	3,557
NCFSPI	NCPT01-1433	653	2,091	653	3,398
TriCal Superior	Hybrid Flex	770	1,771	624	3,165
Average		882	2,014	726	3,622
LSD at 10% Level		201	152	151	NS
Model R-squared		0.7	0.91	0.96	0.56
C.V.		20.5	6.8	18.8	9.3
Rye					
SunGrains	FL 406	1,074	2,294	566	3,935
GSDC	Wrens Abruzzi	639	2,222	973	3,833
SunGrains	FL 405	1,089	2,294	421	3,804
SunGrains	FL 404 4X	1,234	2,018	436	3,688
TriCal Superior	Swift	741	1,859	1,089	3,688
Kelly Seed	Kelly Grazer III	624	1,147	1,757	3,528
KWS Cereals	SH-O6	450	1,060	929	2,439
KWS Cereals	Aviator	218	697	1,060	1,975
Average		759	1,699	904	3,361
LSD at 10% Level		155	258	157	259
Model R-squared		0.9	0.92	0.94	0.94
C.V.		18.6	13.8	15.8	7.0

**Plains, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage
Performance, 2022-2023 (Continued)**

Company or Brand Name	Variety	Harvest Date		Season	
		3-8-23	4-18-23	Total	
----- dry pounds/acre -----					
Ryegrass					
Grassland Oregon	Lonestar	.	973	3,456	4,429
Lewis Seed	Grits	.	915	3,441	4,356
MVS	Centurion	.	1,016	3,252	4,269
UF	FLP16 GRB diploid	.	784	3,470	4,254
UF	FL SME diploid	.	828	3,369	4,196
Wax Seed	ME4	.	900	3,136	4,037
DLF Pickseed	Flying A	.	624	3,398	4,022
DLF Pickseed	Andes	.	523	3,354	3,877
Wax Seed	WMWL-2	.	595	3,194	3,790
DLF Pickseed	Winterhawk	.	552	3,238	3,790
Ragan & Massey	Prine	.	639	3,122	3,761
Wax Seed	WMWL	.	610	3,122	3,732
MVS	Ranahan	.	639	3,064	3,703
Ragan & Massey	Earlyploid	.	1,016	2,672	3,688
Grassland Oregon	Tetrastar	.	566	3,035	3,601
DLF Pickseed	TAMTBO	.	537	3,064	3,601
DLF Pickseed	Triangle T	.	537	2,948	3,485
DLF Pickseed	Angusta	.	537	2,875	3,412
Wax Seed	Nelson Tetraploid	.	624	2,628	3,252
DLF Pickseed	Double Diamond	.	537	2,701	3,238
DLF Pickseed	Diamond T	.	552	2,672	3,223
UF	FLE diploid	.	1,176	1,917	3,093
DLF Pickseed	Credence	.	407	2,672	3,078
Wax Seed	ME-94	.	668	2,367	3,035
Wax Seed	Wax Marshall	.	508	2,497	3,006
Ragan & Massey	RM4L	.	479	2,497	2,977
Wax Seed	Jackson	.	436	2,425	2,860
Grassland Oregon	GO-MOT	.	436	2,004	2,439
BrettYoung	Torpedo	.	334	1,583	1,917
Average		-	653	2,868	3,521
LSD at 10% Level		-	178	456	541
Model R-squared		-	0.71	0.68	0.69
C.V.		-	25.7	15.0	14.5

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: November 29, 2022.
 Seeding Rate: 105 lb/acre, except ryegrass at 25 lb/acre, in 7-inch rows.
 Previous Crop: Grain sorghum.
 Soil Type: Greenville sandy clay loam.
 Soil Test: $P_2O_5 = 45$, $K_2O = 248$, and $pH = 6.0$.
 Fertilization: Preplant: 11 lb N, 10 lb S, 21 lb P_2O_5 , and 21 lb K_2O /acre.
 Topdress: 50 lb N and 10 lb S/acre after each harvest.
 Management: Conventional tillage.

Test conducted by K. Cawley, M. Cofield, D. Dunn, W. Mosteller, W. Jones, and D. Pearce.

Tifton, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023

Company or Brand Name	Variety	Harvest Date				Season
		1-11-23	2-6-23	2-27-23	3-27-23	Total
		----- dry pounds/acre -----				
Oat						
SunGrains	TX16OCS7093	1,641	1,336	1,684	3,020	7,681
TriCal Superior	Cadillac	1,583	1,568	1,859	2,178	7,187
SunGrains	LA17089SBS-25-2	1,074	1,394	1,830	2,817	7,115
Mixon Seed	Horizon 306	1,307	1,234	1,888	2,599	7,028
SunGrains	LA15015SB-S50	1,104	1,278	1,655	2,860	6,897
SunGrains	FL1035-2	1,525	1,278	1,554	2,454	6,810
SunGrains	TX15OCS6163	1,031	1,408	1,960	2,367	6,766
SunGrains	LA13003SBSBS33-1-1	711	1,205	1,960	2,889	6,766
Mixon Seed	Horizon 578	1,307	1,220	1,670	2,556	6,752
SunGrains	LA14063SBS-34-1-1	1,220	1,408	1,525	2,497	6,650
Mixon Seed	Horizon 720	1,423	1,220	1,641	2,323	6,607
SunGrains	LA17089SBS-33-2	741	1,104	2,105	2,628	6,578
SunGrains	TX16OCS7048	900	1,350	1,975	2,280	6,505
Mixon Seed	Horizon 214	1,002	1,220	1,771	2,396	6,389
SunGrains	FL13088-3	1,365	1,220	1,597	2,178	6,360
SunGrains	FL13084-8	1,191	1,278	1,583	2,309	6,360
SunGrains	FL BO 30a	1,045	1,365	1,597	2,280	6,287
SunGrains	TX17OCS8075	639	1,060	1,771	2,744	6,215
SunGrains	LA11074SBSBSBSB109-2	1,191	828	1,205	2,541	5,764
SunGrains	FL BO 07	1,481	770	1,292	1,946	5,489
SunGrains	FL BO 05	1,118	624	1,467	1,888	5,097
SunGrains	FL BO 12	1,074	929	1,641	1,292	4,937
SunGrains	FL BO 01	857	770	1,597	1,626	4,850
SunGrains	FL BO 10	1,365	726	1,539	1,205	4,835
SunGrains	FL BO 17b	1,089	653	1,321	1,655	4,719
SunGrains	FL BO 20b	1,074	552	1,423	1,554	4,603
SunGrains	FL BO 21	929	581	1,626	1,365	4,501
SunGrains	FL BO 22b	900	523	1,437	1,408	4,269
Average		1,139	1,075	1,649	2,209	6,072
LSD at 10% Level		340	173	232	241	453
Model R-squared		0.51	0.85	0.6	0.9	0.89
C.V.		28.2	15.2	13.3	10.3	7.1

Tifton, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvest Date				Season
		1-11-23	2-6-23	2-27-23	3-27-23	Total
----- dry pounds/acre -----						
Wheat						
SunGrains	GA131218-20E15	1,176	1,539	1,641	2,759	7,115
SunGrains	GA12230-20E36	813	987	1,946	2,962	6,708
ForageXtreme	SSI30-06	1,234	1,031	1,757	2,439	6,461
Mixon Seed	AGS 2024	1,249	1,597	1,873	1,336	6,055
SunGrains	GA151313-LDH-192-20E48	871	1,191	1,946	1,975	5,982
SunGrains	GA161240LDH-113-20LE6	1,016	1,220	1,742	1,336	5,314
Average		1,060	1,261	1,817	2,134	6,273
LSD at 10% Level		NS	255	NS	292	529
Model R-squared		0.43	0.68	0.31	0.92	0.73
C.V.		28.9	18.1	12.7	12.2	7.5
Triticale						
TriCal Superior	Surge	1,379	1,800	1,815	1,655	6,650
TriCal Superior	21T01	1,365	1,626	1,452	1,655	6,098
TriCal Superior	Hybrid Flex	770	1,583	1,989	1,220	5,561
NCFSPI	NCPT01-1433	770	1,670	1,713	1,365	5,518
TriCal Superior	342	1,626	1,655	1,191	799	5,271
TriCal Superior	1143	1,379	1,234	1,292	682	4,588
SunGrains	FL 08128	1,002	1,394	1,176	915	4,487
Average		1,184	1,566	1,518	1,184	5,453
LSD at 10% Level		346	221	131	112	296
Model R-squared		0.64	0.62	0.92	0.96	0.93
C.V.		26.4	12.7	7.8	8.5	4.9
Rye						
TriCal Superior	Swift	1,191	1,946	2,410	1,525	7,071
Kelly Seed	Kelly Grazer III	1,350	1,510	1,742	2,468	7,071
SunGrains	FL 406	1,786	1,786	1,844	1,089	6,505
GSDC	Wrens Abruzzi	1,394	1,655	2,338	1,060	6,447
KWS Cereals	Aviator	1,684	1,278	1,626	1,844	6,432
SunGrains	FL 405	2,004	1,307	1,786	1,162	6,258
SunGrains	FL 404 4X	2,120	1,365	1,568	1,176	6,229
KWS Cereals	SH-O6	566	1,423	1,888	1,321	5,198
Average		1,512	1,534	1,900	1,456	6,402
LSD at 10% Level		479	206	180	184	479
Model R-squared		0.68	0.72	0.84	0.93	0.73
C.V.		28.9	12.2	8.6	11.5	6.8

Tifton, Georgia:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvest Date				Season
		1-11-23	2-6-23	2-27-23	3-27-23	Total
----- dry pounds/acre -----						
Ryegrass						
Ragan & Massey	Earlyploid	1,016	1,568	2,076	3,238	6,810
DLF Pickseed	Angusta	1,002	1,423	1,960	3,151	6,490
Wax Seed	Nelson Tetraploid	900	1,423	2,004	3,136	6,389
UF	FLE diploid	1,074	1,597	1,975	2,497	6,302
DLF Pickseed	Flying A	668	1,510	1,989	2,919	6,098
Grassland Oregon	Tetrastar	653	1,394	1,946	3,107	6,084
Lewis Seed	Grits	726	1,249	2,018	3,151	6,040
Wax Seed	ME4	857	1,220	1,699	3,398	6,026
Ragan & Massey	RM4L	595	1,321	1,975	3,122	5,939
DLF Pickseed	Triangle T	610	1,318	1,946	3,078	5,907
Ragan & Massey	Prine	770	1,699	2,178	3,223	5,750
DLF Pickseed	Credence	595	1,249	2,004	2,904	5,735
UF	FL SME diploid	1,060	1,539	2,222	2,701	5,692
Grassland Oregon	GO-MOT	770	1,234	1,815	2,643	5,576
Grassland Oregon	Lonestar	697	1,423	2,193	3,311	5,430
UF	FLP16 GRB diploid	711	1,394	2,134	2,846	5,242
DLF Pickseed	Diamond T	755	1,525	1,873	2,977	5,126
DLF Pickseed	Winterhawk	624	1,379	2,062	3,035	5,126
Wax Seed	WMWL	494	987	1,800	2,831	5,111
DLF Pickseed	Double Diamond	741	1,626	1,830	2,715	5,038
Wax Seed	Wax Marshall	552	1,002	1,539	2,977	4,980
DLF Pickseed	Andes	624	1,278	1,917	3,296	4,763
MVS	Ranahan	508	1,176	1,902	3,194	4,748
DLF Pickseed	TAMTBO	508	1,249	1,859	3,049	4,661
BrettYoung	Torpedo	494	1,031	1,597	2,134	4,501
Wax Seed	WMWL-2	494	1,147	1,742	2,759	4,356
Wax Seed	Jackson	160	755	1,597	2,802	4,283
Wax Seed	ME-94	378	987	1,815	3,151	4,283
MVS	Centurion	450	1,089	1,786	2,541	4,225
Average		672	1,303	1,912	2,962	5,404
LSD at 10% Level		230	176	200	197	911
Model R-squared		0.61	0.78	0.57	0.78	0.76
C.V.		32.4	12.8	9.9	6.3	15.9

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 1, 2022.

Seeding Rate: 105 lb/acre, except ryegrass at 25 lb/acre, in 7-inch rows.

Previous Crop: Summer annuals.

Soil Type: Tifton loamy sand.

Soil Test: P₂O₅ = 33, K₂O = 78, and pH = 6.7.

Fertilization: Preplant: 50 lb N, 10 lb S, 70 lb P₂O₅, and 80 lb K₂O/acre. Topdress: 50 lb N and 10 lb S/acre after each harvest.

Management: Conventional tillage.

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

**Marianna, Florida:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-
2023**

Company or Brand Name	Variety	Harvest Date			Season Total	
		1-31-23	2-6-23	4-5-23		
----- dry pounds/acre -----						
Oat						
SunGrains	LA17089SBS-33-2	653	1,917	1,160	3,730	
Mixon Seed	Horizon 578	850	1,667	1,121	3,638	
Mixon Seed	Horizon 720	1,394	1,049	1,180	3,623	
SunGrains	LA15015SB-S50	819	1,214	1,580	3,613	
SunGrains	LA17089SBS-25-2	703	1,674	1,228	3,605	
Mixon Seed	Horizon 306	1,061	1,262	1,279	3,602	
Mixon Seed	Horizon 214	912	1,476	1,208	3,596	
SunGrains	LA14063SBS-34-1-1	768	1,445	1,357	3,571	
SunGrains	LA13003SBSBS33-1-1	342	1,830	1,357	3,528	
TriCal Superior	Cadillac	1,104	1,661	761	3,525	
SunGrains	FL13088-3	1,051	1,144	1,297	3,491	
SunGrains	FL13084-8	1,153	1,035	1,275	3,464	
SunGrains	FL BO 30a	635	1,199	1,506	3,340	
SunGrains	FL1035-2	1,291	952	987	3,230	
SunGrains	LA11074SBSBSBSB109-2	795	843	1,330	2,968	
SunGrains	FL BO 12	340	962	701	2,003	
SunGrains	FL BO 20b	267	1,155	80	1,503	
SunGrains	FL BO 01	315	795	317	1,426	
SunGrains	FL BO 21	232	997	127	1,355	
SunGrains	FL BO 07	350	683	230	1,263	
SunGrains	FL BO 10	355	728	134	1,217	
SunGrains	FL BO 22b	262	823	127	1,212	
SunGrains	FL BO 17b	122	989	89	1,200	
SunGrains	FL BO 05	199	624	367	1,190	
Average		665	1,172	867	2,704	
LSD at 10% Level		154	213	158	308	
Model R-squared		0.91	0.84	0.95	0.95	
C.V.		21.8	17.1	17.2	10.7	
Wheat						
		<u>1-27-23</u>	<u>2-20-23</u>	<u>3-27-23</u>	<u>4-18-23</u>	
ForageXtreme	SSI30-06	203	454	846	770	2,273
Mixon Seed	AGS 2024	735	964	1,429	121	3,248
Ogletree	Johnson	483	728	1,830	379	3,420
Average		474	715	1,368	423	2,980
LSD at 10% Level		111	111	145	230	359
Model R-squared		0.93	0.93	0.97	0.83	0.88
C.V.		18.7	12.4	8.5	43.4	9.6

Marianna, Florida:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-2023 (Continued)

Company or Brand Name	Variety	Harvest Date			Season Total
		1-24-23	2-20-23	3-27-23	
----- dry pounds/acre -----					
<u>Triticale</u>					
TriCal Superior	21T01	944	787	1,195	2,925
NCFSPI	NCPT01-1433	402	1,220	928	2,551
TriCal Superior	342	944	807	675	2,425
TriCal Superior	Surge	517	856	997	2,370
TriCal Superior	Hybrid Flex	466	951	842	2,259
TriCal Superior	1143	1,266	434	556	2,256
SunGrains	FL 08128	855	805	506	2,166
Average		771	837	814	2,422
LSD at 10% Level		154	89	108	248
Model R-squared		0.90	0.93	0.91	0.75
C.V.		18.1	9.6	12.0	9.3
<u>Rye</u>					
TriCal Superior	Swift	811	1,074	1,331	3,217
SunGrains	FL 406	1,464	575	1,111	3,149
GSDC	Wrens Abruzzi	831	1,098	1,096	3,025
SunGrains	FL 404 4X	1,615	256	914	2,785
SunGrains	FL 405	1,505	244	900	2,650
Kelly Seed	Kelly Grazer III	441	784	1,278	2,503
KWS Cereals	SH-O6	390	680	559	1,629
KWS Cereals	Aviator	140	574	704	1,418
Average		900	661	987	2,547
LSD at 10% Level		140	131	214	329
Model R-squared		0.97	0.92	0.77	0.90
C.V.		14.1	18.1	19.8	11.8

**Marianna, Florida:
Oat, Wheat, Triticale, Rye and Ryegrass Forage Performance, 2022-
2023 (Continued)**

Company or Brand Name	Variety	Harvest Date				Season
		2-6-23	3-15-23	4-5-23	5-10-23	Total
----- dry pounds/acre -----						
Ryegrass						
UF	FL SME diploid	761	1,917	1,690	272	4,639
UF	FLP16 GRB diploid	531	1,730	1,677	437	4,375
UF	FL 4xC tetraploid	701	1,500	1,481	400	4,082
Wax Seed	ME4	594	1,129	1,777	537	4,037
Ragan & Massey	Prine	709	1,295	1,575	0	3,579
Ragan & Massey	RM4L	596	1,317	1,595	0	3,508
Smith Seed	Mantis	651	1,179	1,649	0	3,478
Ragan & Massey	Earlyploid	690	1,539	1,244	0	3,473
Smith Seed	FrostProof	531	1,343	1,545	0	3,418
DLF Pickseed	Andes	491	1,220	1,668	0	3,379
Wax Seed	ME-94	454	1,073	1,705	0	3,232
DLF Pickseed	Triangle T	544	1,189	1,459	0	3,192
Grassland Oregon	Tetrastar	602	1,278	1,291	0	3,171
Wax Seed	WMWL-2	601	1,094	1,462	0	3,157
MVS	Ranahan	519	1,128	1,491	0	3,138
Wax Seed	Wax Marshall	505	1,024	1,600	0	3,128
DLF Pickseed	Credence	348	1,121	1,644	0	3,113
Grassland Oregon	GO-MOT	460	888	1,310	450	3,109
Smith Seed	Halsey	378	842	1,372	502	3,093
DLF Pickseed	TAMTBO	497	1,031	1,550	0	3,077
Grassland Oregon	Lonestar	575	1,233	1,230	0	3,038
Smith Seed	Trinova	629	1,127	1,279	0	3,034
Wax Seed	Nelson Tetraploid	453	1,016	1,563	0	3,032
Wax Seed	WMWL	579	962	1,479	0	3,020
DLF Pickseed	Angusta	335	1,165	1,495	0	2,994
Lewis Seed	Grits	579	1,324	1,080	0	2,984
DLF Pickseed	Double Diamond	528	1,086	1,367	0	2,981
DLF Pickseed	Flying A	646	1,073	1,244	0	2,963
MVS	Centurion	573	1,213	1,150	0	2,936
DLF Pickseed	Diamond T	497	1,144	1,195	0	2,835
DLF Pickseed	Winterhawk	544	1,061	1,228	0	2,833
Smith Seed	Green Dragon	685	1,082	982	0	2,749
Wax Seed	Jackson	211	1,092	1,412	0	2,715
Smith Seed	Dexter	364	604	1,081	237	2,286
Smith Seed	Baqueano	366	907	977	0	2,250
Smith Seed	Rapido	506	1,150	265	0	1,921
BrettYoung	Torpedo	386	556	753	0	1,695
Smith Seed	GrazeKeeper	220	488	861	0	1,569
Smith Seed	Gulf	279	540	441	0	1,260
Average		516	1,119	1,330	73	3,038
LSD at 10% Level		106	196	149	88	358
Model R-squared		0.79	0.79	0.90	0.85	0.86
C.V.		19.5	16.6	10.6	114.2	11.2

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: November 3, 2022.

Seeding Rate: 105 lb/acre, except ryegrass at 25 lb/acre, in 7-inch rows.

Fertilization: Topdress: 50 lb N /acre on 12-8-22 and after each harvest.

Management: Conventional tillage; 2,4-D used for weed control.

Test conducted by J. Jones and A. Blount.

Seed Sources for the 2022-2023 Winter Performance Tests

Name as listed in Report	Company	Contact
AgriMAXX	AgriMAXX Wheat Company. Mescoutah, Illinois.	www.agrimaxxwheat.com
BrettYoung	BrettYoung. Winnipeg, Manitoba.	www.brettyoung.ca
DLF Pickseed	DLF Pickseed. Halsey, Oregon.	www.dlfpickseed.com/usa
Dyna-Gro	Nutrien Ag Solutions. Saskatoon, Saskatchewan.	www.dynagroseed.com/seed-finder/wheat
ForageXtreme	Specialty Seed. Anguilla, Mississippi.	www.specialtyseed.com
Gerard Seed	Gerard Seed Company. Washington, North Carolina.	www.gerardseed.com
Grassland Oregon	Grassland Oregon. Salem, Oregon.	www.goseed.com
GSDC	Georgia Seed Development. Athens, Georgia.	www.gsdc.com
Harvey's	Harvey's Fertilizer & Gas Company. Kinston, North Carolina	www.harveyfertilizerandgas.com
Kelly Seed	Kelly Seed Company. Hartford, Alabama.	www.kellyseed.com/kelly-seed1.html
KWS Cereals	KWS Cereals USA. Champaign, Illinois.	www.kws.com/us/en/
Lewis Seed	Lewis Seed Co. Shedd, Oregon.	www.lewisseed.com
Mixon Seed	Mixon Seed Service. Orangeburg, South Carolina.	www.mixonseed.com
MVS	Mountain View Seeds. Salem, Oregon.	www.mtviewseeds.com
NCFSPI	NC Foundation Seed Producers, Inc., Zebulon, NC.	www.ncfoundationseeds.org
Ogletree	Ogletree Seed. Griffin, Georgia.	georgiagrassfed@yahoo.com
Pioneer	Corteva Agriscience. Indianapolis, Indiana.	www.pioneer.com/us/products/wheat.html
Progeny	Erwin-Keith. Wynne, Arkansas.	www.progenyag.com
Ragan & Massey	Ragan & Massey. Ponchatoula, Louisiana.	www.raganandmassey.com
Smith Seed	Smith Seed Services. Halsey, Oregon.	www.smithseed.com
Southern Harvest	Meherrin Ag & Chemical. Severn, North Carolina.	www.meherrinag.com
Stratton Seed	Stratton Seed Company. Stuttgart, Arkansas.	www.gostrattonseed.com
SunGrains	University breeding collaboration. No retail sales.	
TriCal Superior	TriCal Superior Forage. Butte, Montana.	www.tricalforage.com
UF	University breeding program. No retail sales.	
UniSouth	UniSouth Genetics. Dickson, Tennessee.	www.usgseed.com
Virginia Tech	University breeding program. No retail sales.	
Wax Seed	The Wax Company. Amory, Mississippi.	Available from multiple retailers.

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Rome - M. Tucker and T. Turnquist

Plains - W. Jones and D. Pearce

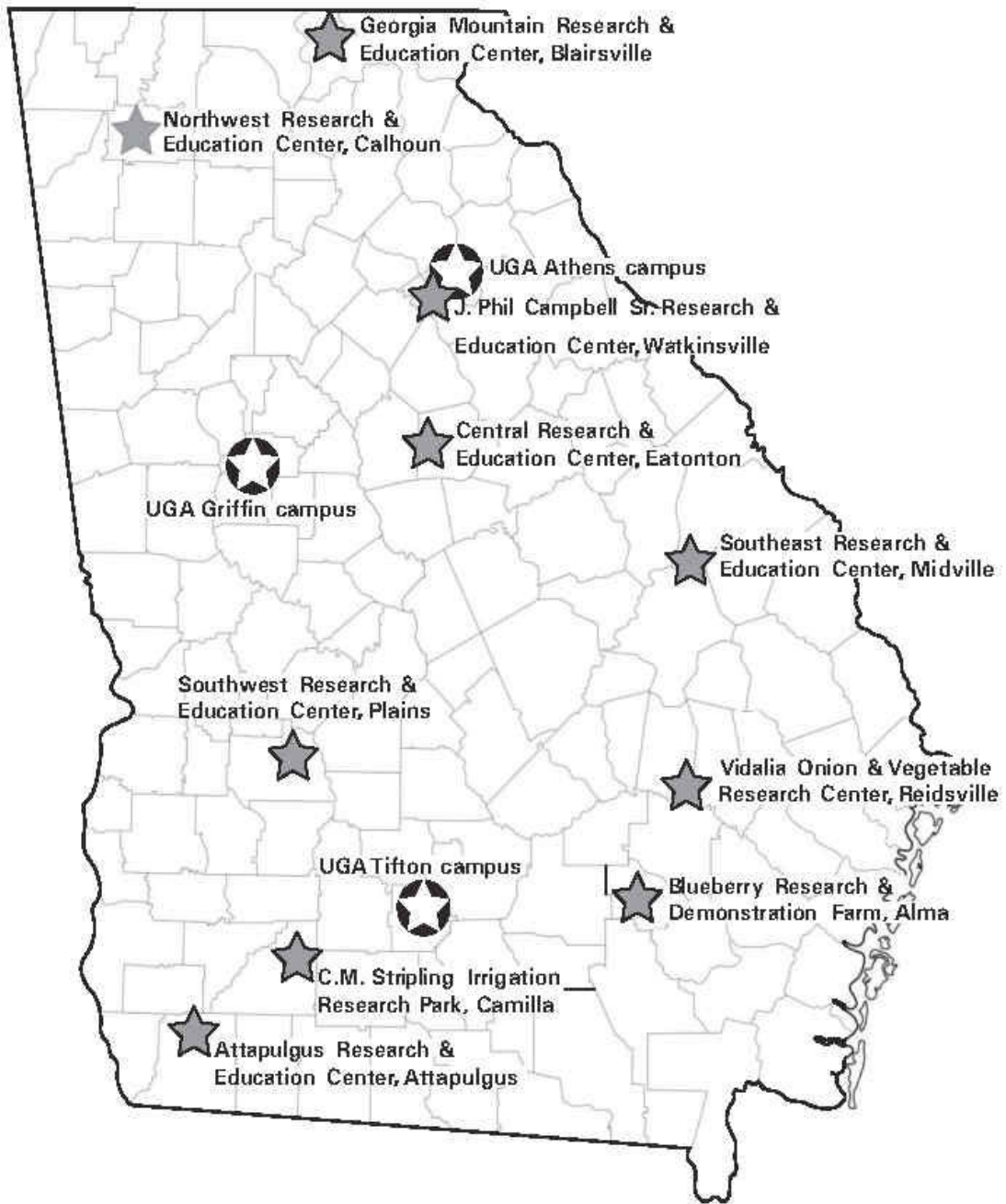
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Publication

Penalty for Private Use \$300

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Annual Publication

August 2023

Published by the University of Georgia in cooperation with Fort Valley State University, The U.S. Department of Agriculture, and counties in the state. For more information, contact your local UGA Cooperative Extension office.

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