

Rye

Tifton, Georgia: Rye Grain Performance, 2004-2005

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	Test Wt lb/bu	2005 Data			
	3-Year Average	2-Year Average				Ht in	Lodg. %	Winter Survival %	Head Date mo/day
	----- bu/acre -----								
AGS104	44.7	54.6	2	44.4	.	67	54	100	03/12
Boss	38.7	48.0	4	34.1	.	66	66	100	03/15
Wrens 96	34.0	40.9	6	27.6	.	67	71	100	03/17
Wintergrazer 70	30.3	35.9	9	20.1	.	66	73	100	03/27
Wrens Abruzzi	30.1	35.8	7	21.2	.	64	84	100	03/14
Gurley CGI87	28.1	33.4	5	27.8	.	66	45	100	03/30
Hancock	17.9	16.3	17	7.5	.	63	70	100	04/06
FL96RP16-34-1	.	57.3	1	50.5	.	65	73	100	03/15
Early Graze	.	47.1	3	35.2	.	65	75	100	03/15
WR2001	.	36.8	11	19.6	.	63	86	100	03/23
Wintermore	.	34.2	10	19.8	.	66	64	100	03/21
Gurley Grazer 2000	.	.	8	20.6	.	65	53	100	03/30
Noble NF65	.	.	12	18.0	.	66	86	100	03/20
Maton	.	.	13	16.5	.	67	76	100	03/22
Elbon	.	.	14	14.7	.	62	85	100	03/27
Oklon	.	.	15	13.8	.	64	91	100	03/19
Bates	.	.	16	11.1	.	65	80	100	03/25
Average	32.0	40.0		23.7 ²	.	65	72	100	03/22
LSD at 10% Level	4.1	5.5		8.1		N.S. ³	23	-	07
Std. Err. of Entry Mean	1.7	2.3		3.4		2	10	-	03

1. Yields calculated as 56 pounds per bushel at 13.0% moisture.

2. C.V. = 28.9%, and df for EMS = 48.

3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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

Planted: November 11, 2004.

Harvested: June 15, 2005.

Seeding Rate: 18 seeds per foot in 7" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: Preplant: 25 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Topdress: 68 lb N/acre.

Management: Paratilled and rototilled; Harmony Extra used for weed control; Dimethoate used for insect control.

Previous Crop: Small grains.

Test conducted by A. E. Coy, R. B. Bennett, R. E. Brooke, and R. B. Burton.

Griffin, Georgia: Rye Grain Performance, 2004-2005

Brand-Variety	Yield ¹		2005 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Winter Survival	Head Date
	----- bu/acre	----- bu/acre		bu/acre	lb/bu	in	%	%	mo/day
Wintergrazer 70	45.5	50.7	11	45.5	52.4	70	0	100	04/01
Boss	44.7	50.5	2	57.3	53.1	68	0	100	03/29
Wrens 96	42.3	51.4	8	51.9	52.3	72	0	100	03/29
Wrens Abruzzi	41.8	47.2	9	47.3	51.1	69	0	100	03/27
Gurley CGI87	41.1	45.6	14	39.0	52.9	67	0	100	04/06
AGS104	39.2	44.1	10	46.9	52.2	69	0	100	03/27
Hancock	30.5	34.7	15	32.3	47.3	67	0	100	04/18
Early Graze	.	52.6	4	54.2	52.0	71	0	100	03/28
WR2001	.	50.1	6	52.1	52.8	69	0	100	03/30
Wintermore	.	47.8	12T	44.0	52.2	69	0	100	03/31
FL96RP16-34-1	.	46.8	12T	44.0	49.9	65	0	100	03/28
Gurley Grazer 2000	.	37.6	16	30.9	52.5	66	0	100	04/07
Bates	.	.	1	61.6	53.4	71	0	100	03/30
Noble NF65	.	.	3	54.7	53.1	69	0	100	03/30
Oklon	.	.	5	53.6	53.0	69	0	100	03/31
Maton	.	.	7	52.0	52.9	70	0	100	03/31
Elbon	.	.	13	43.6	52.5	70	0	100	04/01
Average	40.7	46.6		47.7 ²	52.1	69	0	100	04/01
LSD at 10% Level	4.4	N.S. ³		9.6	1.2	N.S.	-	-	02
Std. Err. of Entry Mean	1.9	2.5		4.1	0.5	2	-	-	01

1. Yields calculated as 56 pounds per bushel at 13.0% moisture.
2. C.V. = 17.0%, and df for EMS = 48.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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

Planted: October 27, 2004.

Harvested: June 15, 2005.

Seeding Rate: 18 seeds per foot in 7" rows.

Soil Type: Cecil sandy clay loam.

Soil Test: P = High, K = High, and pH = 5.6.

Fertilization: Preplant: 28 lb N, 56 lb P₂O₅, and 84 lb K₂O/acre.

Topdress: 50 lb N/acre.

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

Previous Crop: Canola.

Test conducted by P. A. Rose.

Summary of Rye Yields: Georgia, 2004-2005 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2005	3-Year Average	2-Year Average	2005	3-Year Average	2-Year Average	2005
	----- bu/acre -----								
AGS104	44.7	54.6	44.4	39.2	44.1	46.9	42.0	49.4	45.6
Bates	.	.	11.1	.	.	61.6	.	.	36.3
Boss	38.7	48.0	34.1	44.7	50.5	57.3	41.7	49.3	45.7
Early Graze	.	47.1	35.2	.	52.6	54.2	.	49.9	44.7
Elbon	.	.	14.7	.	.	43.6	.	.	29.2
FL96RP16-34-1	.	57.3	50.5	.	46.8	44.0	.	52.1	47.3
Gurley CGI87	28.1	33.4	27.8	41.1	45.6	39.0	34.6	39.5	33.4
Gurley Grazer 2000	.	28.5	20.6	.	37.6	30.9	.	33.0	25.7
Hancock	17.9	16.3	7.5	30.5	34.7	32.3	24.2	25.5	19.9
Maton	.	.	16.5	.	.	52.0	.	.	34.3
Noble NF65	.	.	18.0	.	.	54.7	.	.	36.3
Oklon	.	.	13.8	.	.	53.6	.	.	33.7
WR2001	.	36.8	19.6	.	50.1	52.1	.	43.5	35.9
Wintergrazer 70	30.3	35.9	20.1	45.5	50.7	45.5	37.9	43.3	32.8
Wintermore	.	34.2	19.8	.	47.8	44.0	.	41.0	31.9
Wrens 96	34.0	40.9	27.6	42.3	51.4	51.9	38.2	46.1	39.8
Wrens Abruzzi	30.1	35.8	21.2	41.8	47.2	47.3	36.0	41.5	34.2
Average	32.0	39.1	23.7	40.7	46.6	47.7	36.4	42.8	35.7
LSD at 10% Level	4.1	5.5	8.1	4.4	N.S. ⁴	9.6	3.0	3.9	N.S.
Std. Err. of Entry Mean	1.7	2.3	3.4	1.9	2.5	4.1	1.3	1.7	2.7

1. Yields calculated at 56 pounds per bushel at 13.0% moisture.

2. Tifton.

3. Griffin.

4. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

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