

Rye

Tifton, Georgia: Rye Grain Performance, 2006-2007

Brand-Variety	Yield ¹		2007 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹ bu/acre	Test			Winter Survival %	Head Date mo/day
	----- bu/acre	----- bu/acre			Wt lb/bu	Ht in	Lodg. %		
FL96RP16-34-1	48.4	47.4	6	51.5	.	69	85	.	03/09
AGS104	47.8	49.6	3	55.7	.	75	70	.	03/04
Wrens Abruzzi	39.4	48.6	2	56.1	.	74	90	.	03/13
Wrens 96	38.2	43.6	9	46.4	.	74	89	.	03/15
Wintergrazer 70	34.3	41.3	1	57.7	.	76	86	.	03/13
Bates	29.8	39.1	12	43.9	.	73	95	.	03/18
Oklon	29.6	37.5	11	44.1	.	72	91	.	03/19
FLBDZA580 Sel	.	47.1	5	51.6	.	68	60	.	02/25
FLCNT1 Sel	.	44.3	7	48.7	.	71	25	.	02/25
FLCNT-1-P1	.	36.5	14	42.0	.	66	55	.	02/25
Early Graze	.	.	4	55.1	.	74	88	.	03/12
Maton II	.	.	8	47.8	.	71	93	.	03/17
Bates RS4	.	.	10	46.2	.	72	94	.	03/16
NF95307A	.	.	13	43.5	.	72	95	.	03/17
Average	38.2	43.5		49.3 ²	.	72	80	.	03/10
LSD at 10% Level	3.7	N.S. ³		7.0		5	11		02
Std. Err. of Entry Mean	1.6	1.9		2.9		2	5		01

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

2. C.V. = 11.8%, and df for EMS = 39.

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 9, 2006.

Harvested: May 21, 2007.

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

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Low, and pH = 6.4.

Fertilization: Preplant: 59 lb N, 27 lb P₂O₅, and 54 lb K₂O/acre.

Topdress: 0 lb N/acre.

Management: Subsoiled and rototilled; Harmony Extra used for weed control.

Previous Crop: Wheat.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

Griffin, Georgia: Rye Grain Performance, 2006-2007

Brand-Variety	Yield ¹		2007 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Cold Damage ²	Head Date
	----- bu/acre	----- bu/acre		bu/acre	lb/bu	in	%	%	mo/day
Bates RS4	.	.	1	53.7	57.2	72	25	0	03/21
NF95307A	.	.	2	49.8	57.8	73	11	0	03/21
Oklon	.	.	3	49.0	58.2	70	13	0	03/25
Bates	.	.	4	47.8	58.0	71	13	0	03/24
Maton II	.	.	5	47.0	57.8	71	16	0	03/21
Wintergrazer 70	.	.	6	46.2	57.9	72	20	0	03/17
Wrens 96	.	.	7	44.1	57.9	72	34	0	03/20
Wrens Abruzzi	.	.	8	41.5	57.2	69	26	0	03/17
Early Graze	.	.	9	38.7	56.7	71	28	0	03/18
FL96RP16-34-1	.	.	10	35.0	56.0	69	5	25	03/14
AGS104	.	.	11	27.9	55.5	72	10	53	03/14
FLCNT1 Sel	.	.	12	22.1	53.4	65	24	98	04/03
FLBDZA580 Sel	.	.	13	18.7	54.1	59	15	98	04/03
FLCNT-1-P1	.	.	14	13.9	49.4	59	11	98	04/03
Average	.	.		38.2 ³	56.2	69	18	27	03/22
LSD at 10% Level				6.1	1.6	3	N.S. ⁴	6	02
Std. Err. of Entry Mean				2.5	0.7	1	7	2	01

1. Yields calculated as 56 pounds per bushel at 13.0% moisture.
2. Cold damage to whole plant on April 7-9, 2007.
2. C.V. = 13.3%, and df for EMS = 39.
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 19, 2006.
 Harvested: May 23, 2007.
 Seeding Rate: 18 seeds per foot in 7" rows.
 Soil Type: Cecil sandy clay loam.
 Soil Test: P = High, K = High, and pH = 6.4.
 Fertilization: Preplant: 28 lb N, 56 lb P₂O₅, and 84 lb K₂O/acre.
 Topdress: 50 lb N/acre.
 Management: Chisel plowed, disked, and rototilled.
 Previous Crop: Canola.

Test conducted by J. Gasset and G. Ware.

Marianna, Florida: Rye Grain Performance, 2006-2007

Brand-Variety	Yield ¹ bu/acre	Test			Winter Survival %	Head Date mo/day
		Weight lb/bu	Height in	Lodging %		
FLCNT1 Sel	46.3	52.5	66	10	.	03/19
FLBDZA580 Sel	44.1	56.3	63	20	.	03/19
FL96RP16-34-1	43.0	53.8	62	28	.	03/19
FLCNT-1-P1	38.4	51.2	63	23	.	03/19
AGS104	36.2	55.0	67	33	.	03/22
Wintergrazer 70	34.8	55.0	65	43	.	03/22
Early Graze	34.0	56.3	65	40	.	03/23
NF95307A	33.1	53.8	65	30	.	.
Wrens 96	32.9	54.4	65	33	.	03/23
Bates RS4	32.1	53.8	64	55	.	.
Maton II	30.6	55.0	63	48	.	.
Wrens Abruzzi	30.5	53.8	66	58	.	03/23
Bates	23.5	53.8	61	55	.	.
Oklon	21.6	53.8	59	55	.	.
Average	34.3 ²	54.2	64	38	.	03/21
LSD at 10% Level	6.1	-	3	12		-
Std. Err. of Entry Mean	2.6	-	1	5		-

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

2. C.V. = 14.9%, and df for EMS = 39.

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

Planted: December 8, 2006.

Harvested: May 22, 2007.

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

Soil Type: Orangeburg loamy sand.

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

Fertilization: At planting: 54 lb N, 27 lb P₂O₅, and 54 lb K₂O/acre.

Topdress: 50 lb N/acre.

Management: Disked; Buctril and Harmony Extra used for weed control.

Test conducted by Jeff Jones.

Summary of Rye Yields: Georgia, 2006-2007 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ^{3,4}			Statewide		
	3-Year Average	2-Year Average	2007	3-Year Average	2-Year Average	2007	3-Year Average	2-Year Average	2007
	----- bu/acre -----								
AGS104	47.8	49.6	55.7	.	.	.	.	.	.
Bates	29.8	39.1	43.9	.	.	.	.	.	.
Bates RS4	.	.	46.2	.	.	.	.	.	.
Early Graze	.	.	55.1	.	.	.	.	.	.
FL96RP16-34-1	48.4	47.4	51.5	.	.	.	.	.	.
FLBDZA580 Sel	.	47.1	51.6	.	.	.	.	.	.
FLCNT-1-P1	.	36.5	42.0	.	.	.	.	.	.
FLCNT1 Sel	.	44.3	48.7	.	.	.	.	.	.
Maton II	.	.	47.8	.	.	.	.	.	.
NF95307A	.	.	43.5	.	.	.	.	.	.
Oklon	29.6	37.5	44.1	.	.	.	.	.	.
Wintergrazer 70	34.3	41.3	57.7	.	.	.	.	.	.
Wrens 96	38.2	43.6	46.4	.	.	.	.	.	.
Wrens Abruzzi	39.4	48.6	56.1	.	.	.	.	.	.
Average	38.2	43.5	49.3	.	.	.	.	.	.
LSD at 10% Level	3.7	N.S. ⁵	7.0						
Std. Err. of Entry Mean	1.6	1.9	2.9						

1. Yields calculated at 56 pounds per bushel at 13.0% moisture.
2. Tifton.
3. Griffin.
4. Due to cold damage at Griffin on April 7-9, 2007, the 2007 data not used; therefore, no summary for North GA.
5. 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).