

Triticale

Tifton, Georgia: Triticale 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
Trical 342	110.5	127.0	1	116.4	53.2	54	0	100	03/27
Trical 314	106.2	122.8	2	108.0	53.3	42	0	100	03/25
Monarch	101.7	116.3	4	93.2	56.2	57	0	100	03/30
Fleming*	79.5	90.7	8	79.9	63.6	39	0	100	03/29
Trical 336	44.5	57.2	14	48.3	38.7	49	0	100	04/20
USG 3209*	.	89.6	6	82.2	60.8	40	0	100	04/10
AGS 2000*	.	85.7	10T	64.3	59.5	42	0	100	04/09
AGS 2485*	.	83.1	11	62.2	54.1	37	0	100	04/09
FL9707-E1	.	.	3	98.6	55.2	47	0	100	03/17
FL9728-D5	.	.	5	86.4	56.6	55	0	100	03/29
FL93072-Y11-C20	.	.	7	80.8	54.9	56	0	100	03/27
FL9716-E1	.	.	9	67.7	50.9	56	0	100	03/21
FL9711-E8	.	.	10T	64.3	44.5	48	4	100	03/21
FL9718-E2	.	.	12	60.1	50.4	56	13	100	03/31
SRX4527	.	.	13	50.1	39.4	61	0	100	04/17
SRX4529	.	.	15	47.7	37.2	56	0	100	04/22
SRX4528	.	.	16	44.5	37.6	58	0	100	04/18
Average	88.5	96.5		73.8 ²	50.9	50	1	100	04/03
LSD at 10% Level	6.1	7.8		8.5	4.7	6	N.S. ³	-	02
Std. Err. of Entry Mean	2.6	3.3		3.6	2.0	3	3	-	01

* Wheat check variety.

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 9.7%, 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: December 6, 2004.

Harvested: June 8, 2005.

Seeding Rate: 22 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. D. Burton.

Plains, Georgia: Triticale Grain Performance, 2004-2005

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2005 Data				
	3-Year Average	2-Year Average			Test Wt lb/bu	Ht in	Lodg. %	Winter Survival %	Head Date mo/day
	-----	bu/acre			-----	-----	-----	-----	-----
Trical 342	95.4	105.2	1	122.3	50.9	53	0	100	04/09
Trical 314	95.3	107.3	2	116.9	48.8	40	0	100	04/11
Monarch	82.0	91.3	6	93.3	49.9	53	0	100	04/11
Fleming*	68.9	78.3	8	79.7	58.2	37	0	100	04/08
Trical 336	49.0	59.4	11	68.8	46.9	52	0	100	04/23
USG 3209*	.	70.4	10	73.1	58.0	35	0	100	04/19
AGS 2000*	.	63.9	14	60.1	53.9	41	0	100	04/19
AGS 2485*	.	57.3	15	55.3	51.1	40	0	100	04/19
FL9707-E1	.	.	3	104.4	51.8	46	0	100	04/02
FL9716-E1	.	.	4	104.3	49.0	55	0	100	04/04
FL9718-E2	.	.	5	97.8	53.6	53	0	100	04/12
FL9711-E8	.	.	7	89.2	50.9	51	0	100	04/05
FL9728-D5	.	.	9	78.7	49.2	53	0	100	04/14
SRX4527	.	.	12	65.3	46.3	63	0	100	04/21
FL93072-Y11-C20	.	.	13	60.7	44.3	56	0	100	04/14
SRX4529	.	.	16	54.9	39.0	49	0	100	04/23
SRX4528	.	.	17	50.6	40.5	63	0	100	04/23
Average	78.1	79.1		80.9 ²	49.5	49	0	100	04/14
LSD at 10% Level	5.6	5.9		7.4	3.5	2	-	-	01
Std. Err. of Entry Mean	2.3	2.5		3.2	1.5	1	-	-	01

* Wheat check variety.

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.

2. C.V. = 7.8%, and df for EMS = 48.

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

Planted: December 14, 2004.

Harvested: June 16, 2005.

Seeding Rate: 22 seeds per foot in 7" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.1.

Fertilization: Preplant: 56 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Subsoiled and rototilled.

Previous Crop: Cotton.

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

Midville, Georgia: Triticale Grain Performance, 2004-2005

Brand-Variety	Yield ¹		Rank	Yield ¹ bu/acre	2005 Data				
	3-Year Average	2-Year Average			Test Wt	Ht	Lodg.	Winter Survival	Head Date
	----- bu/acre	----- bu/acre			lb/bu	in	%	%	mo/day
Trical 314	82.9	95.9	1	120.8	49.6	41	0	100	.
Trical 342	80.2	94.2	2	103.5	49.8	53	0	100	.
Monarch	70.8	79.9	11	77.0	50.6	47	0	100	.
Fleming*	61.5	67.6	12	73.0	57.7	38	0	100	.
Trical 336	58.3	74.8	14	66.8	47.4	51	0	100	.
USG 3209*	.	77.2	8	81.0	54.9	37	0	100	.
AGS 2000*	.	72.3	9	79.8	58.3	41	0	100	.
AGS 2485*	.	66.0	13	69.6	57.8	38	0	100	.
FL9707-E1	.	.	3	103.0	52.8	46	0	100	.
FL9716-E1	.	.	4	99.9	49.2	53	0	100	.
FL9711-E8	.	.	5	88.3	48.9	52	0	100	.
FL9718-E2	.	.	6	86.1	53.0	53	0	100	.
FL93072-Y11-C20	.	.	7	82.5	51.0	55	0	100	.
FL9728-D5	.	.	10	78.5	51.2	52	0	100	.
SRX4527	.	.	15	63.0	47.0	60	0	100	.
SRX4528	.	.	16	57.0	46.2	60	0	100	.
SRX4529	.	.	17	48.8	43.7	53	0	100	.
Average	70.8	78.5		81.1 ²	51.1	49	0	100	.
LSD at 10% Level	N.S. ³	N.S.		7.7	1.5	5	-	-	
Std. Err. of Entry Mean	3.0	3.1		3.2	0.6	2	-	-	

* Wheat check variety.

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.

2. C.V. = 8.0%, 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: December 8, 2004.

Harvested: June 20, 2005.

Seeding Rate: 22 seeds per foot in 7" rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.1.

Fertilization: Preplant: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre.

Topdress: 54 lb N/acre.

Management: Disked, chisel plowed, and rototilled.

Previous Crop: Corn.

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

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

Brand-Variety	Yield ¹		2005
	South ²		
	3-Year Average	2-Year Average	
	----- bu/acre -----		
AGS 2000*	.	74.0	68.0
AGS 2485*	.	68.8	62.4
FL93072-Y11-C20	.	.	70.7
FL9707-E1	.	.	95.2
FL9711-E8	.	.	74.8
FL9716-E1	.	.	90.6
FL9718-E2	.	.	81.3
FL9728-D5	.	.	81.2
Fleming*	70.0	78.9	77.5
Monarch	84.8	95.8	87.8
SRX4527	.	.	59.5
SRX4528	.	.	50.7
SRX4529	.	.	50.4
Trical 314	94.8	108.7	115.2
Trical 336	50.6	63.8	61.3
Trical 342	95.4	108.8	114.1
USG 3209*	.	79.1	78.8
Average	79.1	84.7	77.6
LSD at 10% Level	4.5	5.7	5.6
Std. Err. Of Entry Mean	1.9	2.4	2.4

* Wheat check variety.

1. Yields calculated at 48 pounds per bushel at 13.0% moisture.

2. Tifton, Plains, and Midville.

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