

Tifton, Georgia: Triticale Grain Performance, 2009-2010

Brand-Variety	Yield ¹		2010 Data						
	3-Year Average	2-Year Average	Rank	Yield ¹	Test Wt	Ht	Lodg.	Winter Survival	Head Date
	---- bu/acre ----			bu/acre	lb/bu	in	%	%	mo/day
Trical 342	96.2	81.7	1	95.8	50.6	50	0	100	04/10
Trical 2700	63.0	52.9	4	60.0	49.4	56	0	100	04/16
NCPT01-1433	.	68.9	2	77.3	49.6	43	0	100	04/10
NF96210	.	.	3	65.2	53.6	58	0	100	04/10
Average	79.6	67.8		74.6 ²	50.8	51	0	100	04/12
LSD at 10% Level	7.1	10.1		17.0	2.3	2	-	-	01
Std. Err. of Entry Mean	2.8	4.0		6.6	0.9	1	-	-	01

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

2. C.V. = 17.6%, and df for EMS = 9.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD

Planted: November 18, 2009.

Harvested: May 26, 2010.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.0.

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

Topdress: 108 lb N/acre.

Management: Disked, chisel plowed and rototilled.

Previous Crop: Small Grain.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Plains, Georgia: Triticale Grain Performance, 2009-2010

Brand-Variety	2-Year Average	2010 Data						
		Rank	Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Lodg. %	Winter Survival %	Head Date mo/day
Trical 342	86.6	1	88.7	50.1	47	0	100	04/11
NCPT01-1433	68.0	2	75.5	51.9	39	0	100	04/12
Trical 2700	64.6	3	70.2	51.3	51	0	100	04/23
NF96210	.	4	64.7	51.0	53	0	100	04/11
Average	73.1		74.8 ²	51.1	47	0	100	04/14
LSD at 10% Level	7.2		5.3	0.8	2	-	-	01
Std. Err. of Entry Mean	4.0		2.0	0.3	1	-	-	01

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

2. C.V. = 5.4%, and df for EMS = 9.

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

Planted: November 20, 2009.

Harvested: June 3, 2010.

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

Soil Type: Greenville sandy loam.

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

Fertilization: Preplant: 20 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked and rototilled.

Previous Crop: Peanuts.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

Midville, Georgia: Triticale Grain Performance, 2009-2010

Brand-Variety	2-Year Average	2010 Data						
		Rank	Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Lodg. %	Winter Survival %	Head Date mo/day
Trical 342	53.8	1	33.4	.	44	0	95	04/18
NCPT01-1433	46.3	2	31.2	.	34	0	100	04/20
Trical 2700	33.4	4	21.1	.	45	0	100	04/24
NC05-19896	.	3	28.5	.	26	0	100	04/18
NF96210	.	5	17.7	.	42	0	48	04/18
Average	44.5		26.3 ²	.	38	0	89	04/19
LSD at 10% Level	N.S. ³		5.6		3	-	9	02
Std. Err. of Entry Mean	2.8		2.2		1	-	4	01

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

2. C.V. = 16.9%, and df for EMS =12.

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 1, 2009.

Harvested: June 8, 2010.

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

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 18 lb N, 46 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked, chisel plowed and field conditioned; Harmony Extra and Osprey used for weed control.

Previous Crop: Soybeans.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Griffin, Georgia: Triticale Grain Performance, 2009-2010

Brand-Variety	2-Year Average	Rank	2010 Data					Winter Survival %	Head Date mo/day
			Yield ¹ bu/acre	Test Wt lb/bu	Ht in	Lodg. %			
Trical 342	82.4	1	105.4	54.5	53	1	100	04/18	
Trical 2700	74.1	2	79.5	53.4	54	1	100	04/27	
NCPT01-1433	69.9	3	63.1	53.9	42	1	100	04/23	
NF96210	.	4	58.1	52.1	55	2	100	04/18	
Average	75.5		76.5 ²	53.5	51	1	100	04/21	
LSD at 10% Level	N.S. ³		21.4	0.7	2	-	-	02	
Std. Err. of Entry Mean	5.4		8.2	0.3	1	-	-	01	

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

2. C.V. = 21.6%, and df for EMS = 9.

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, 2009.

Harvested: June 1, 2010.

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

Soil Type: Cecil sandy loam.

Soil Test: P = Low, K = High, and pH = 6.3.

Fertilization: Preplant: 20 lb N, 40 lb P₂O₅, and 60 lb K₂O/acre.

Topdress: 65 lb N/acre.

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

Previous Crop: Wheat.

Test conducted by J. Gassett and G. Ware.

Summary of Triticale Yields: Georgia, 2009-2010 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2010	3-Year Average	2-Year Average	2010	3-Year Average	2-Year Average	2010
----- bu/acre -----									
NCPT01-1433	.	61.1	61.3	.	69.9	63.1	.	63.3	61.8
NF96210	.	.	49.2	.	.	58.1	.	.	51.4
Trical 2700	58.6	50.3	50.4	.	74.1	79.5	61.4	56.2	57.7
Trical 342	85.2	74.0	72.6	.	82.4	105.4	84.7	76.1	80.8
Average	71.9	61.8	58.4	.	75.5	76.5	73.1	65.2	62.9
LSD at 10% Level	4.0	4.5	5.7	.	N.S. ⁴	21.4	4.8	5.5	8.2
Std. Err. of Entry Mean	1.6	1.9	2.4	.	5.4	8.2	2.0	2.3	3.4

1. Yields calculated at 48 pounds per bushel at 13.0% moisture.
 2. Tifton, Plains, and Midville.
 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).