

Triticale and Rye

Tifton, Georgia: Triticale and Rye Grain Performance, 2013-2014

Brand-Variety	Yield ¹		2014 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average			Wt			
-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day	
Triticale								
Trical 342	83.0	86.1	2	92.4	51.9	52	18	03/25
FL01008	66.0	68.3	5	68.7	53.1	52	33	03/20
FL01143	54.1	58.3	9	56.0	51.4	53	36	03/27
Monarch	.	75.3	3	83.6	54.2	51	19	03/28
NC08-26	.	65.5	6	65.6	52.5	47	15	03/30
NC07-1088	.	57.9	7	58.8	54.4	49	5	03/29
FL08128	.	.	1	93.2	59.1	51	33	03/24
NC07-1031	.	.	4	71.1	54.9	52	6	03/31
NF 96210	.	.	8	57.4	51.9	57	83	03/28
SS Triticale 1414	.	.	10	49.8	51.7	48	0	03/31
Arcia	.	.	11	48.3	50.0	49	23	04/03
Average	67.7	68.6		67.7 ²	53.2	51	24	03/28
LSD at 10% Level	6.8	8.8		13.6	1.4	3	26	01
Std. Err. of Entry Mean	2.8	3.6		5.6	0.6	1	11	01
Rye								
Wrens Abruzzi	.	41.1	4	25.9	54.0	67	86	03/22
FL2X406	.	41.0	1	32.3	56.5	67	76	03/24
FL2X405	.	39.0	3	29.4	54.4	64	86	03/10
Florida 401	.	38.7	2	31.0	54.5	65	76	03/11
Maton	.	.	5	20.4	55.5	67	90	03/28
Elbon	.	.	6	17.0	55.0	67	95	04/02
Maton II	.	.	7	14.7	55.0	65	88	03/24
Oklon	.	.	8	11.4	55.0	67	91	04/02
Average	.	39.9		22.8 ³	55.0	66	86	03/23
LSD at 10% Level		N.S. ⁴		7.4	0.4	N.S.	12	01
Std. Err. of Entry Mean		1.9		3.0	0.2	2	5	01

Tifton, Georgia: Triticale and Rye Grain Performance, 2013-2014 (Continued)

1. Triticale: Yields calculated as 48 pounds per bushel at 13.0% moisture.
Rye: Yields calculated as 56 pounds per bushel at 13.0% moisture.
2. C.V. = 16.7%, and df for EMS = 30.
3. C.V. = 26.8%, and df for EMS = 21.
4. The F-test indicated no statistical difference at the $\alpha = 0.10$ probability level; therefore, an 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 20, 2013.

Harvested: May 30, 2014.

Seeding Rate: Triticale: 22 seeds per foot in 7-inch rows.

Rye: 18 seeds per foot in 7-inch rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 5.8.

Fertilization: Preplant: 48 lb N, 80 lb P_2O_5 , and 80 lb K_2O /acre.

Topdress: 80 lb N/acre.

Management: Disked, moldboard plowed, and rototilled: Harmony Extra used for weed control;
1000 lb/acre lime applied.

Previous Crop: Peanuts.

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

Plains, Georgia: Triticale Grain Performance, 2013-2014

Brand-Variety	Yield ¹		2014 Data					
	3-Year	2-Year	Rank	Yield ¹	Test			Head
	Average	Average			Wt	Ht	Lodg.	
	-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day
NC07-1088	.	81.5	5	86.0	55.3	53	17	04/04
NC08-26	.	76.5	6	83.5	52.6	48	1	04/05
Trical 342	.	74.6	1	108.6	52.3	55	4	04/03
Monarch	.	73.7	3	91.0	53.0	52	4	04/05
FL01143	.	62.5	9	74.6	52.4	53	8	04/04
FL01008	.	59.1	8	77.9	51.2	55	40	03/29
FL08128	.	.	2	93.2	57.9	54	0	04/01
NC07-1031	.	.	4	87.1	55.2	51	0	04/05
SS Triticale 1414	.	.	7	82.0	53.3	49	0	04/10
NF 96210	.	.	10	70.6	52.0	59	34	04/06
Arcia	.	.	11	64.1	50.5	48	0	04/10
Average	.	71.3		83.5 ²	53.3	52	10	04/04
LSD at 10% Level		N.S. ³		8.6	0.8	2	12	01
Std. Err. of Entry Mean		2.2		3.6	0.4	1	5	01

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 8.6%, and df for EMS = 30.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an 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 14, 2013.

Harvested: June 3, 2014.

Seeding Rate: 22 seeds per foot in 7-inch rows.

Soil Type: Greenville sandy loam.

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

Fertilization: Preplant: 15 lb N, 66 lb P₂O₅, and 18 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked and rototilled.

Previous Crop: Peanuts.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Midville, Georgia: Triticale Grain Performance, 2013-2014

Brand-Variety	Yield ¹		2014 Data					
	3-Year	2-Year	Rank	Yield ¹	Test			Head
	Average	Average			Wt	Ht	Lodg.	
	-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day
FL01143	.	90.6	8	76.9	48.5	56	65	03/31
Trical 342	.	87.9	4	82.0	45.2	57	29	03/29
NC07-1088	.	81.7	5	81.0	51.3	53	58	04/03
Monarch	.	80.4	6	78.8	48.7	55	33	04/01
FL01008	.	80.2	2	85.6	49.5	55	55	03/24
NC08-26	.	78.9	7	77.9	47.7	52	25	04/03
FL08128	.	.	1	90.4	55.1	55	24	03/28
NC07-1031	.	.	3	84.3	47.2	54	35	04/04
SS Triticale 1414	.	.	9	65.5	46.2	54	185	04/04
Arcia	.	.	10	62.7	44.3	50	38	04/07
NF 96210	.	.	11	51.1	45.1	59	82	03/30
Average	.	83.3		76.0 ²	48.1	54	57	04/01
LSD at 10% Level		N.S. ³		9.8	3.6	2	117	01
Std. Err. of Entry Mean		2.7		4.1	1.5	1	49	01

1. Yields calculated as 48 pounds per bushel at 13.0% moisture.
2. C.V. = 10.7%, and df for EMS = 30.
3. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an 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 22, 2013.

Harvested: June 5, 2014.

Seeding Rate: 22 seeds per foot in 7-inch rows.

Soil Type: Dothan loamy sand.

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

Fertilization: Preplant: 30 lb N, 40 lb P₂O₅, and 120 lb K₂O/acre.

Topdress: 80 lb N/acre.

Management: Disked and moldboard plowed; 1,000 lb/acre lime applied.

Previous Crop: Wheat.

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

Griffin, Georgia: Triticale and Rye Grain Performance, 2013-2014

Brand-Variety	Yield ¹		2014 Data					
	3-Year	2-Year	Rank	Yield ¹	Test	Ht	Lodg.	Head
	Average	Average						
	-----	bu/acre	-----	bu/acre	lb/bu	in	%	mo/day
Triticale								
NC07-1088	.	105.3	7	100.6	49.8	50	9	04/10
Trical 342	.	103.3	1	114.3	46.7	53	4	04/09
NC08-26	.	101.8	5	104.5	48.3	48	0	04/13
Monarch	.	95.8	6	101.3	47.2	52	1	04/12
FL01143	.	85.6	9	98.4	47.6	53	0	04/05
FL01008	.	80.9	10	93.9	48.8	51	0	04/05
NC07-1031	.	.	2	108.8	50.3	51	0	04/09
SS Triticale 1414	.	.	3	108.5	48.4	51	0	04/14
FL08128	.	.	4	107.0	53.1	50	0	04/07
Arcia	.	.	8	98.8	49.5	50	0	04/14
NF 96210	.	.	11	86.2	48.1	63	20	04/10
Average	.	95.5		102.0 ²	48.9	52	3	04/10
LSD at 10% Level		N.S. ³		8.7	0.7	2	N.S.	02
Std. Err. of Entry Mean		2.2		3.6	0.3	1	5	01
Rye								
FL2X406	.	64.7	5	54.6	54.9	69	69	04/04
Wrens Abruzzi	.	63.4	6	50.0	53.4	69	79	04/04
FL2X405	.	52.0	7	48.2	53.5	63	69	03/24
Florida 401	.	50.8	8	46.2	53.2	61	59	03/16
Maton II	.	.	1	62.3	54.6	68	43	04/07
Elbon	.	.	2	59.9	55.4	69	68	04/09
Maton	.	.	3	57.3	54.9	67	59	04/06
Oklon	.	.	4	56.7	55.2	69	50	04/11
Average	.	57.7		54.4 ⁴	54.4	67	62	04/02
LSD at 10% Level		N.S.		8.7	0.35	4	N.S.	06
Std. Err. of Entry Mean		2.7		3.6	0.25	1	8	02

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

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

2. C.V. = 7.1%, and df for EMS = 30.

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

4. C.V. = 13.1%, and df for EMS = 21.

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

Planted: October 30, 2013.

Harvested: Triticale: June 12, 2014.

Rye: June 11, 2014.

Seeding Rate: Triticale: 22 seeds per foot in 7-inch rows.

Rye: 18 seeds/foot in 7-inch rows.

Soil Type: Cecil sandy loam.

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

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

Topdress: 70 lb N/acre.

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

Previous Crop: Soybeans.

Test conducted by J. Gassett, G. Ware, and H. Jordan.

Summary of Triticale Yields: Georgia, 2013-2014 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide ⁴		
	3-Year Average	2-Year Average	2014	3-Year Average	2-Year Average	2014	3-Year Average	2-Year Average	2014
	----- bu/acre -----								
Arcia	.	.	58.4	.	.	98.8	.	.	68.5
FL01008	.	69.2	77.4	.	80.9	93.9	.	72.1	81.5
FL01143	.	70.5	69.2	.	85.6	98.4	.	74.3	76.5
FL08128	.	.	92.2	.	.	107.0	.	.	95.9
Monarch	.	76.5	84.5	.	95.8	101.3	.	81.3	88.7
NC07-1031	.	.	80.8	.	.	108.8	.	.	87.8
NC07-1088	.	73.7	75.3	.	105.3	100.6	.	81.6	81.6
NC08-26	.	73.6	75.7	.	101.8	104.5	.	80.7	82.9
NF 96210	.	.	59.7	.	.	86.2	.	.	66.3
SS Triticale 1414	.	.	65.8	.	.	108.5	.	.	76.5
Trical 342	84.0	82.9	94.3	104.0	103.3	114.3	89.0	88.0	99.3
Average	84.0	74.4	75.8	104.0	95.5	102.0	89.0	79.7	82.3
LSD at 10% Level	.	N.S. ⁵	6.1	.	5.4	8.7	.	3.2	5.0
Std. Err. of Entry Mean	.	1.7	2.6	.	2.2	3.6	.	7.8	8.6

1. Yields calculated at 48 pounds per bushel at 13.0% moisture.
2. Tifton, Plains, and Midville.
3. Griffin.
4. All four locations.
5. The F-test indicated no statistical difference at the alpha = 0.10 probability level; therefore, an 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).

Summary of Rye Yields: Georgia, 2013-2014 with Two- and Three-Year Averages

Brand-Variety	Yield ¹								
	South ²			North ³			Statewide		
	3-Year Average	2-Year Average	2014	3-Year Average	2-Year Average	2014	3-Year Average	2-Year Average	2014
	----- bu/acre -----								
Elbon	.	.	17.0	.	.	59.9	.	.	38.4
FL2X405	.	39.0	29.4	.	52.0	48.2	.	45.5	38.8
FL2X406	.	41.0	32.3	.	64.7	54.6	.	52.8	43.4
Florida 401	44.5	38.7	31.0	54.4	50.8	46.2	49.5	44.7	38.6
Maton	.	.	20.4	.	.	57.3	.	.	38.8
Maton II	.	.	14.7	.	.	62.3	.	.	38.5
Oklon	.	.	11.4	.	.	56.7	.	.	34.0
Wrens Abruzzi	40.8	41.1	25.9	69.0	63.4	50.0	54.9	52.3	38.0
Average	42.7	40.0	22.8	61.7	57.7	54.4	52.2	48.8	38.6
LSD at 10% Level	N.S. ⁴	4.6	7.4	N.S.	6.6	8.7	N.S.	3.9	5.6
Std. Err. of Entry Mean	1.0	1.9	3.0	2.4	2.7	3.6	1.3	1.6	2.3

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, an 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).