

Wheat Variety Trial in a Wet Location.

Project Code: 03-Wheat-Var-12B Location: Agronomy Research Center 12B

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Carbondale IL 62901 USA
Trial Status: Final **Updated:** 1-16-04

Objective:

Evaluate wheat varieties under an intensive management system at a wet location.

Crop 1: TRZAW wheat, winter **Variety:** See treatment list
Planting Method: Seeded **Planting Date:** 10-15-02
Rate: 110 lb/A **Depth:** 1.5 IN
Row Spacing: 7.0 IN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Tillage Type: Reduced-Till **Study Design:** Randomized complete block
Previous Crop, Year: GLXMA, 2002

Field Prep./Maintenance: N 18 LB/A, P205 46 LB/A, K2O 60 LB/A on 10-14-02,
N 48 LB/A on 2-6-03, and N 60 LB/A on 4-2-03.

Soil Name: Weir **% OM:** 2.0 **pH:** 6.9 **CEC:** 10
Texture: Silt loam **Fert. Level:** P1: 150 LB/A, K: 306 LB/A

APPLICATION DESCRIPTION

A
Application Method: See note

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: TRZAW NA
Height, Unit: NA NA

NOTES:

Harvested Jun-24-03, (8) 7 inch rows by 25 ft.

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Weed Code			
Crop Code	TRZAW	TRZAW	TRZAW
Rating Data Type	Moisture	Test wt.	Yield
Rating Unit	Percent	lb/bu	bu/A
Rating Date	6-24-03	6-24-03	6-24-03
Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
1	Public Patterson			13.3		56.4		70	
2	Public Sisson			12.1		52.9		56	
3	Public Roan			15.1		58.2		73	
4	AgriPro Mitchel			13.5		55.8		67	
5	AgriPro Patton			13.3		55.1		67	
6	AgriPro Gibson			12.8		56.7		73	
7	Bergmann-Taylor BT720			13.7		55.6		74	
8	FS Growmark 539			13.7		57.6		78	
9	FS Growmark 621			12.7		52.3		67	
10	FS Growmark 652			12.4		54.4		78	
11	Gateway Sundance			13.4		54.6		65	
12	Gateway Golden Eagle			13.2		54.8		65	
13	Gateway Golden Eye II			13.2		55.2		65	
14	Gateway Greyhawk			12.3		53.0		74	
15	Gateway Daybreak			14.5		54.1		69	
16	Lewis 821			13.1		54.3		69	
17	Lewis 847			13.7		56.3		76	
18	Lewis 864			15.2		54.0		79	
19	Lewis 857			13.7		55.9		70	
20	Miles/Big River Abygale			12.2		53.5		63	
21	Miles/Big River Ester			12.3		53.7		65	
22	Pioneer 25R37			14.3		56.1		63	
23	Pioneer 25R44			14.4		57.4		77	

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Trt-Eval Interval			

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
24	Pioneer 25R47			14.7		54.1		86	
25	Pioneer 25R78			13.6		57.9		78	
26	Pioneer 25R49			13.7		55.0		76	
27	Syngenta 9184			14.2		55.1		59	
28	Syngenta B960457			12.8		52.1		70	
29	Syngenta 9663			15.9		55.9		68	
30	Great Heart 938			14.3		57.3		76	
31	Great Heart X9690			18.8		52.6		73	
32	Great Heart 973			14.3		54.6		76	
	LSD (P=.05)			1.30		1.22		11.3	
	Replicate F			4.245		5.019		4.284	
	Replicate Prob(F)			0.0187		0.0095		0.0181	
	Treatment F			7.979		14.601		2.634	
	Treatment Prob(F)			0.0001		0.0001		0.0006	

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Trial Comments

1. Protocol: SIUC.
2. Blanket application of Harmony Extra at 0.5 oz/A applied 3-27-03.
3. Blanket application of Warrior + Activator 90 at 1.8 oz/A + 0.0625% v/v, applied to all plots on 5-7-03.