

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Carbondale IL 62901 USA
Trial Status: Final Updated: 12-02-05

Objective:

Evaluate the response of eighteen wheat varieties to seven fungicide programs.

Crop 1: TRZAW wheat, winter Variety: See treatment list
Planting Method: Seeded Planting Date: 10-25-04
Rate: 1.3 mil. S/A Depth: 1.5 IN
Row Spacing: 8.0 IN

Plot Width, Unit: 5 FT Plot Length, Unit: 30 FT Reps: 3
Tillage Type: Reduced-Till Study Design: Split-plot
Previous Crop, Year: ZEAMX, 2004

Field Prep./Maintenance: Fall fertilization: N 27 LB/A, P205 69 LB/A, K20 120 LB/A

Soil Name: Weir % OM: 1.7 pH: 6.3 CEC: 8
Texture: Silt loam Fert. Level: P1: 78 LB/A, K: 399 LB/A

APPLICATION DESCRIPTION

	A	B
Application Date:	04-05-05	04-27-05
Time of Day:	8:00	10:00
Application Method:	Spray	Spray
Application Timing:	FK5	FK9
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	63 F	55 F
% Relative Humidity:	60	60
Wind Velocity, Unit:	4-6 MPH	3-7 MPH
Soil Temp., Unit:	56 F	52 F
Soil Moisture:	NORMAL	NORMAL

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	TRZAW FK5	TRZAW
Height, Unit:	5-10 IN	See note

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	8002	8002
Boom Length, Unit:	10 FT	10 FT
Spray Volume, Unit:	20 GPA	20 GPA

NOTES:

Wheat varieties are listed in the treatment list.
Wheat stages at FK9 application are listed in the table.
Pest control and application dates are listed in the comments.

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Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 04-27-05 0 DA-B	TRZAW BYD % Incid 05-27-05 30 DA-B	TRZAW BYD % Sever 05-27-05 30 DA-B	TRZAW TanSpot % Incid 05-27-05 30 DA-B	TRZAW TanSpot % Sever 05-27-05 30 DA-B	TRZAW LeafBch % Incid 05-27-05 30 DA-B	TRZAW LeafBch % Sever 05-27-05 30 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
1	NO FUNGICIDE											11.60	9	53	40	2	1	5	2
1	AgriPro Benton																		
2	NO FUNGICIDE											14.80	9	27	27	1	2	1	1
2	AgriPro Cooper																		
3	NO FUNGICIDE											13.00	9-10	25	30	0	0	1	1
3	AgriPro Gibson																		
4	NO FUNGICIDE											15.00	9	25	52	2	2	3	2
4	Bergmann-Taylor BT715																		
5	NO FUNGICIDE											12.55	9-10	73	53	2	2	8	2
5	Bergmann-Taylor BT720																		
6	NO FUNGICIDE											13.20	9-10	63	60	5	1	4	2
6	Bergmann-Taylor BT724																		
7	NO FUNGICIDE											11.50	9	58	75	2	2	1	1
7	FS Growmark 539																		
8	NO FUNGICIDE											14.50	10	55	50	3	3	1	1
8	FS Growmark 621																		
9	NO FUNGICIDE											12.50	9	42	42	1	1	2	1
9	FS Growmark 634																		
10	NO FUNGICIDE											15.00	9	40	32	2	2	2	1
10	FS Growmark 652																		
11	NO FUNGICIDE											16.00	9-10	48	50	0	0	1	1
11	Public Sisson																		
12	NO FUNGICIDE											13.00	9	48	50	2	3	3	2
12	Gateway Sundance																		
13	NO FUNGICIDE											12.86	9-10	57	45	2	1	2	1
13	Lewis 838																		
14	NO FUNGICIDE											12.05	9	27	45	0	0	1	1
14	Lewis 850																		
15	NO FUNGICIDE											11.00	9	38	38	1	1	2	1
15	Pioneer 25R37																		
16	NO FUNGICIDE											12.00	9	35	57	1	1	1	1
16	Pioneer 25R47																		
17	NO FUNGICIDE											13.50	9	58	63	4	2	4	1
17	Pioneer 25R54																		
18	NO FUNGICIDE											11.50	9	47	53	2	1	1	1
18	Pioneer 25R78																		
19	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			11.60	9	55	40	0	0	3	1
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
19	AgriPro Benton																		
20	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			14.80	9	15	18	0	0	0	0
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
20	AgriPro Cooper																		
21	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			13.00	9-10	24	33	0	0	1	1
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
21	AgriPro Gibson																		
22	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			15.00	9	28	47	1	1	2	1
22	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
22	Bergmann-Taylor BT715																		
23	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			12.55	9-10	68	53	0	0	4	1
23	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
23	Bergmann-Taylor BT720																		

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Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 04-27-05 0 DA-B	TRZAW BYD % Incid 05-27-05 30 DA-B	TRZAW BYD % Sever 05-27-05 30 DA-B	TRZAW TanSpot % Incid 05-27-05 30 DA-B	TRZAW TanSpot % Sever 05-27-05 30 DA-B	TRZAW LeafBch % Incid 05-27-05 30 DA-B	TRZAW LeafBch % Sever 05-27-05 30 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
24	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	13.20	9-10	53	53	1	1	2	1		
24	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
24	Bergmann-Taylor BT724																		
25	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	11.50	9	72	80	0	1	1	1		
25	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
25	FS Growmark 539																		
26	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	14.50	10	43	40	1	1	1	1		
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
26	FS Growmark 621																		
27	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	12.50	9	50	37	1	1	1	1		
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
27	FS Growmark 634																		
28	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	15.00	9	30	22	0	1	1	1		
28	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
28	FS Growmark 652																		
29	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	16.00	9-10	63	57	0	0	1	1		
29	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
29	Public Sisson																		
30	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	13.00	9	52	60	0	1	2	2		
30	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
30	Gateway Sundance																		
31	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	12.86	9-10	50	50	2	1	1	1		
31	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
31	Lewis 838																		
32	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	12.05	9	33	43	1	1	1	1		
32	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
32	Lewis 850																		
33	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	11.00	9	35	35	0	0	2	1		
33	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
33	Pioneer 25R37																		
34	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	12.00	9	28	53	0	0	1	1		
34	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
34	Pioneer 25R47																		
35	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	13.50	9	38	57	1	1	2	1		
35	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
35	Pioneer 25R54																		
36	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	11.50	9	30	38	0	0	1	1		
36	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A										
36	Pioneer 25R78																		
37	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	11.60	9	52	43	0	0	0	0		
37	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
37	AgriPro Benton																		
38	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	14.80	9	28	30	0	0	0	0		
38	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
38	AgriPro Cooper																		
39	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	13.00	9-10	48	53	0	0	1	1		
39	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
39	AgriPro Gibson																		
40	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	15.00	9	20	43	0	0	0	0		
40	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
40	Bergmann-Taylor BT715																		
41	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	12.55	9-10	58	60	0	0	0	0		
41	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
41	Bergmann-Taylor BT720																		

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	TRZAW Seeds 000/lb At plant	TRZAW Stage Feeekes 04-27-05 0 DA-B	TRZAW BYD % Incid 05-27-05 30 DA-B	TRZAW BYD % Sever 05-27-05 30 DA-B	TRZAW TanSpot % Incid 05-27-05 30 DA-B	TRZAW TanSpot % Sever 05-27-05 30 DA-B	TRZAW LeafBch % Incid 05-27-05 30 DA-B	TRZAW LeafBch % Sever 05-27-05 30 DA-B
42	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	13.20	9-10	58	47	0	0	0	0
42	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
42	Bergmann-Taylor BT724																
43	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	11.50	9	47	80	0	0	0	0
43	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
43	FS Growmark 539																
44	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	14.50	10	35	33	0	0	0	0
44	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
44	FS Growmark 621																
45	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	12.50	9	40	45	0	0	0	0
45	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
45	FS Growmark 634																
46	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	15.00	9	35	27	0	0	0	0
46	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
46	FS Growmark 652																
47	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	16.00	9-10	37	47	0	0	0	0
47	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
47	Public Sisson																
48	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	13.00	9	50	58	0	0	0	0
48	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
48	Gateway Sundance																
49	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	12.86	9-10	60	52	0	0	1	1
49	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
49	Lewis 838																
50	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	12.05	9	23	38	0	0	0	0
50	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
50	Lewis 850																
51	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	11.00	9	50	53	0	0	1	1
51	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
51	Pioneer 25R37																
52	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	12.00	9	47	60	0	0	1	1
52	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
52	Pioneer 25R47																
53	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	13.50	9	43	58	0	0	0	0
53	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
53	Pioneer 25R54																
54	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	11.50	9	47	60	0	0	0	0
54	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B								
54	Pioneer 25R78																
55	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	11.60	9	52	43	0	0	0	0
55	AgriPro Benton																
56	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	14.80	9	10	22	0	0	0	0
56	AgriPro Cooper																
57	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	13.00	9-10	28	55	0	0	0	0
57	AgriPro Gibson																
58	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	15.00	9	28	45	0	0	0	0
58	Bergmann-Taylor BT715																
59	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	12.55	9-10	77	63	0	0	0	0
59	Bergmann-Taylor BT720																
60	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	13.20	9-10	62	52	0	0	0	0
60	Bergmann-Taylor BT724																
61	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	11.50	9	47	67	0	0	1	1
61	FS Growmark 539																

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Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 04-27-05 0 DA-B	TRZAW BYD % Incid 05-27-05 30 DA-B	TRZAW BYD % Sever 05-27-05 30 DA-B	TRZAW TanSpot % Incid 05-27-05 30 DA-B	TRZAW TanSpot % Sever 05-27-05 30 DA-B	TRZAW LeafBch % Incid 05-27-05 30 DA-B	TRZAW LeafBch % Sever 05-27-05 30 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
62	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	14.50	10	47	37	0	0	0	0		
62	FS Growmark 621																		
63	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	12.50	9	50	45	0	0	0	0		
63	FS Growmark 634																		
64	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	15.00	9	32	25	0	0	0	0		
64	FS Growmark 652																		
65	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	16.00	9-10	43	55	0	0	0	0		
65	Public Sisson																		
66	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	13.00	9	52	55	0	0	0	0		
66	Gateway Sundance																		
67	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	12.86	9-10	77	60	0	0	0	0		
67	Lewis 838																		
68	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	12.05	9	23	42	0	0	0	0		
68	Lewis 850																		
69	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	11.00	9	35	27	0	0	0	0		
69	Pioneer 25R37																		
70	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	12.00	9	33	53	0	0	0	0		
70	Pioneer 25R47																		
71	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	13.50	9	50	70	0	0	0	0		
71	Pioneer 25R54																		
72	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	11.50	9	20	42	0	0	0	0		
72	Pioneer 25R78																		
73	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	11.60	9	33	40	0	0	0	0		
73	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
73	AgriPro Benton																		
74	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	14.80	9	12	18	0	0	0	0		
74	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
74	AgriPro Cooper																		
75	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	13.00	9-10	28	52	0	0	0	0		
75	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
75	AgriPro Gibson																		
76	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	15.00	9	18	48	0	0	0	0		
76	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
76	Bergmann-Taylor BT715																		
77	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	12.55	9-10	58	63	0	0	0	0		
77	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
77	Bergmann-Taylor BT720																		
78	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	13.20	9-10	53	60	0	0	0	0		
78	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
78	Bergmann-Taylor BT724																		
79	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	11.50	9	50	73	0	0	0	0		
79	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
79	FS Growmark 539																		
80	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	14.50	10	45	38	0	0	0	0		
80	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
80	FS Growmark 621																		
81	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	12.50	9	43	50	0	0	0	0		
81	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
81	FS Growmark 634																		
82	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	15.00	9	38	33	0	0	0	0		
82	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
82	FS Growmark 652																		

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Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 0 DA-B	TRZAW BYD % Incid 30 DA-B	TRZAW BYD % Sever 30 DA-B	TRZAW TanSpot % Incid 30 DA-B	TRZAW TanSpot % Sever 30 DA-B	TRZAW LeafBch % Incid 30 DA-B	TRZAW LeafBch % Sever 30 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
83	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	16.00	9-10	33	42	0	0	0	0		
83	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	83 Public Sisson																		
84	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	13.00	9	52	45	0	0	0	0		
84	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	84 Gateway Sundance																		
85	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	12.86	9-10	65	53	0	0	0	0		
85	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	85 Lewis 838																		
86	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	12.05	9	27	50	0	0	0	0		
86	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	86 Lewis 850																		
87	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	11.00	9	23	45	0	0	0	0		
87	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	87 Pioneer 25R37																		
88	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	12.00	9	33	55	0	0	0	0		
88	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	88 Pioneer 25R47																		
89	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	13.50	9	47	65	0	0	0	0		
89	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	89 Pioneer 25R54																		
90	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	11.50	9	52	63	0	0	0	0		
90	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B										
	90 Pioneer 25R78																		
91	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	11.60	9	63	48	0	1	2	0		
	91 AgriPro Benton																		
92	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	14.80	9	12	18	0	0	0	0		
	92 AgriPro Cooper																		
93	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	13.00	9-10	37	45	0	0	0	0		
	93 AgriPro Gibson																		
94	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	15.00	9	18	38	0	0	0	0		
	94 Bergmann-Taylor BT715																		
95	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	12.55	9-10	63	53	0	0	0	0		
	95 Bergmann-Taylor BT720																		
96	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	13.20	9-10	63	63	1	2	4	1		
	96 Bergmann-Taylor BT724																		
97	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	11.50	9	52	70	0	0	0	0		
	97 FS Growmark 539																		
98	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	14.50	10	23	23	0	0	0	0		
	98 FS Growmark 621																		
99	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	12.50	9	43	50	0	0	0	0		
	99 FS Growmark 634																		
100	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	15.00	9	43	35	0	0	1	1		
	100 FS Growmark 652																		
101	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	16.00	9-10	42	43	0	0	1	1		
	101 Public Sisson																		
102	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	13.00	9	57	55	0	2	1	1		
	102 Gateway Sundance																		
103	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	12.86	9-10	50	55	0	1	0	0		
	103 Lewis 838																		
104	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	12.05	9	17	35	0	0	0	0		
	104 Lewis 850																		

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 0 DA-B	TRZAW BYD % Incid 30 DA-B	TRZAW BYD % Sever 30 DA-B	TRZAW TanSpot % Incid 30 DA-B	TRZAW TanSpot % Sever 30 DA-B	TRZAW LeafBch % Incid 30 DA-B	TRZAW LeafBch % Sever 30 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
105	STRATEGO 105 Pioneer 25R37	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	11.00	9	25	40	0	0	1	1		
106	STRATEGO 106 Pioneer 25R47	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	12.00	9	47	48	0	0	0	0		
107	STRATEGO 107 Pioneer 25R54	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	13.50	9	33	57	0	0	0	0		
108	STRATEGO 108 Pioneer 25R78	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	11.50	9	40	42	0	2	0	0		
109	FOLICUR 109 ACTIVATOR 90 109 AgriPro Benton	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	11.60	9	57	47	0	0	3	1		
110	FOLICUR 110 ACTIVATOR 90 110 AgriPro Cooper	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	14.80	9	25	22	0	0	0	0		
111	FOLICUR 111 ACTIVATOR 90 111 AgriPro Gibson	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	13.00	9-10	33	55	0	0	1	1		
112	FOLICUR 112 ACTIVATOR 90 112 Bergmann-Taylor BT715	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	15.00	9	28	43	0	0	1	1		
113	FOLICUR 113 ACTIVATOR 90 113 Bergmann-Taylor BT720	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	12.55	9-10	67	48	0	0	1	1		
114	FOLICUR 114 ACTIVATOR 90 114 Bergmann-Taylor BT724	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	13.20	9-10	70	57	1	2	1	1		
115	FOLICUR 115 ACTIVATOR 90 115 FS Growmark 539	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	11.50	9	45	70	0	0	0	0		
116	FOLICUR 116 ACTIVATOR 90 116 FS Growmark 621	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	14.50	10	50	37	0	0	0	0		
117	FOLICUR 117 ACTIVATOR 90 117 FS Growmark 634	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	12.50	9	58	47	0	0	1	1		
118	FOLICUR 118 ACTIVATOR 90 118 FS Growmark 652	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	15.00	9	37	25	0	0	0	0		
119	FOLICUR 119 ACTIVATOR 90 119 Public Sisson	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	16.00	9-10	23	37	0	0	1	1		
120	FOLICUR 120 ACTIVATOR 90 120 Gateway Sundance	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	13.00	9	65	63	1	1	0	0		
121	FOLICUR 121 ACTIVATOR 90 121 Lewis 838	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	12.86	9-10	67	60	2	2	2	1		
122	FOLICUR 122 ACTIVATOR 90 122 Lewis 850	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	12.05	9	20	32	0	0	0	0		
123	FOLICUR 123 ACTIVATOR 90 123 Pioneer 25R37	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	11.00	9	48	50	0	0	1	1		

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW Seeds 000/lb At plant	TRZAW Stage Feekes 0 DA-B	TRZAW BYD % Incid 30 DA-B	TRZAW BYD % Sever 30 DA-B	TRZAW TanSpot % Incid 30 DA-B	TRZAW TanSpot % Sever 30 DA-B	TRZAW LeafBch % Incid 30 DA-B	TRZAW LeafBch % Sever 30 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code												
124	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	12.00	9	35	47	0	0	1	1				
124	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B												
124	Pioneer 25R47																				
125	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	13.50	9	55	70	0	0	0	0				
125	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B												
125	Pioneer 25R54																				
126	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	11.50	9	78	60	0	2	0	0				
126	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B												
126	Pioneer 25R78																				
LSD (P=.05)														25.2	19.3	1.7	1.7	2.7	1.0		
Replicate F														3.376	6.361	17.455	21.032	16.284	14.527		
Replicate Prob(F)														0.0358	0.0020	0.0001	0.0001	0.0001	0.0001		
Treatment F														2.936	3.582	1.476	1.115	1.495	2.152		
Treatment Prob(F)														0.0001	0.0001	0.0053	0.2356	0.0041	0.0001		

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	TRZAW LeafRust % Incid 05-27-05 30 DA-B	TRZAW LeafRust % Sever 05-27-05 30 DA-B	TRZAW GlumeBch % Incid 06-01-05 EOS	TRZAW GlumeBch % Sever 06-01-05 EOS	TRZAW Moisture Percent 06-22-05	TRZAW Test wt. lb/bu 06-22-05	TRZAW Yield bu/A 06-22-05
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NO FUNGICIDE											
1	AgriPro Benton					0	0	8	4	11.6	63.5	74
2	NO FUNGICIDE					5	3	13	7	11.8	62.5	70
2	AgriPro Cooper											
3	NO FUNGICIDE					7	4	19	10	11.7	64.2	60
3	AgriPro Gibson											
4	NO FUNGICIDE					2	3	25	12	11.7	60.6	71
4	Bergmann-Taylor BT715											
5	NO FUNGICIDE					1	1	28	17	12.1	64.6	61
5	Bergmann-Taylor BT720											
6	NO FUNGICIDE					1	1	33	20	12.5	64.1	65
6	Bergmann-Taylor BT724											
7	NO FUNGICIDE					23	12	17	8	12.7	66.1	65
7	FS Growmark 539											
8	NO FUNGICIDE					13	14	9	6	11.8	62.5	72
8	FS Growmark 621											
9	NO FUNGICIDE					1	1	33	18	12.3	63.7	66
9	FS Growmark 634											
10	NO FUNGICIDE					1	1	11	6	12.1	62.4	67
10	FS Growmark 652											
11	NO FUNGICIDE					43	30	18	12	11.9	61.5	63
11	Public Sisson											
12	NO FUNGICIDE					0	0	21	11	12.0	63.5	57
12	Gateway Sundance											
13	NO FUNGICIDE					0	0	43	23	12.3	64.1	64
13	Lewis 838											
14	NO FUNGICIDE					1	1	20	10	12.0	64.0	63
14	Lewis 850											
15	NO FUNGICIDE					1	1	11	6	11.7	62.3	62
15	Pioneer 25R37											
16	NO FUNGICIDE					0	0	7	5	12.1	63.7	65
16	Pioneer 25R47											
17	NO FUNGICIDE					1	1	10	7	12.1	61.9	71
17	Pioneer 25R54											
18	NO FUNGICIDE					1	2	17	8	12.2	65.6	64
18	Pioneer 25R78											
19	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A	1	1	6
19	AgriPro Benton									6	6	11.9
19	AgriPro Benton									61.3	66	
20	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A	6	7	8
20	AgriPro Cooper									6	6	11.9
20	AgriPro Cooper									60.1	65	
21	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A	6	4	17
21	AgriPro Gibson									13	12.0	62.5
21	AgriPro Gibson									62.5	64	
22	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			
22	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A	1	1	15
22	Bergmann-Taylor BT715									12	12.3	60.6
22	Bergmann-Taylor BT715									60.6	67	
23	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A			
23	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A	1	1	37
23	Bergmann-Taylor BT720									23	12.5	61.5
23	Bergmann-Taylor BT720									61.5	55	

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	TRZAW LeafRust % Incid 05-27-05 30 DA-B	TRZAW LeafRust % Sever 05-27-05 30 DA-B	TRZAW GlumeBch % Incid 06-01-05 EOS	TRZAW GlumeBch % Sever 06-01-05 EOS	TRZAW Moisture Percent 06-22-05	TRZAW Test wt. lb/bu 06-22-05	TRZAW Yield bu/A 06-22-05				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
24	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	1	1	42	24	12.2	61.9	64
24	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
24	Bergmann-Taylor BT724															
25	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	17	15	15	11	12.7	63.3	61
25	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
25	FS Growmark 539															
26	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	15	14	8	6	12.0	61.4	80
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
26	FS Growmark 621															
27	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	0	24	13	12.3	59.5	62
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
27	FS Growmark 634															
28	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	1	1	11	8	11.8	61.5	76
28	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
28	FS Growmark 652															
29	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	20	25	16	9	12.0	62.0	68
29	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
29	Public Sisson															
30	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	0	12	8	12.4	60.2	59
30	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
30	Gateway Sundance															
31	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	0	45	28	13.9	60.4	57
31	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
31	Lewis 838															
32	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	2	2	13	12	11.7	59.9	60
32	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
32	Lewis 850															
33	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	2	7	6	12.0	60.5	57
33	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
33	Pioneer 25R37															
34	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	0	7	6	12.1	61.8	78
34	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
34	Pioneer 25R47															
35	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	0	0	7	6	12.2	62.7	71
35	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
35	Pioneer 25R54															
36	HEADLINE	2.09	EC	0.049	lb ai/a	3	oz/a	F5	A	6	3	11	7	12.2	63.4	69
36	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F5	A							
36	Pioneer 25R78															
37	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	7	4	12.2	58.6	68
37	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
37	AgriPro Benton															
38	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	11	7	12.6	57.8	62
38	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
38	AgriPro Cooper															
39	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	18	10	12.4	57.5	58
39	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
39	AgriPro Gibson															
40	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	10	7	12.7	58.3	73
40	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
40	Bergmann-Taylor BT715															
41	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	12	10	12.7	59.0	61
41	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
41	Bergmann-Taylor BT720															

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	
												LeafRust	LeafRust	GlumeBch	GlumeBch	Moisture	Test wt.	Yield
												% Incid	% Sever	% Incid	% Sever	Percent	lb/bu	bu/A
												05-27-05	05-27-05	06-01-05	06-01-05	06-22-05	06-22-05	06-22-05
												30 DA-B	30 DA-B	EOS	EOS			
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl										
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code										
42	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	16	11	12.6	58.9	63		
42	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
42	Bergmann-Taylor BT724																	
43	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	10	7	13.6	59.9	53		
43	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
43	FS Growmark 539																	
44	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	7	6	12.6	58.4	76		
44	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
44	FS Growmark 621																	
45	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	16	11	13.2	59.4	63		
45	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
45	FS Growmark 634																	
46	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	8	6	13.3	59.3	69		
46	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
46	FS Growmark 652																	
47	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	10	8	12.4	58.6	77		
47	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
47	Public Sisson																	
48	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	14	8	12.5	56.0	51		
48	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
48	Gateway Sundance																	
49	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	16	11	12.9	58.6	61		
49	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
49	Lewis 838																	
50	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	15	8	12.3	57.8	59		
50	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
50	Lewis 850																	
51	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	6	6	12.0	53.7	54		
51	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
51	Pioneer 25R37																	
52	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	6	6	13.2	57.2	72		
52	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
52	Pioneer 25R47																	
53	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	6	6	12.5	59.1	63		
53	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
53	Pioneer 25R54																	
54	HEADLINE	2.09	EC	0.098	lb ai/a	6	oz/a	F9	B	0	0	10	8	13.6	59.1	64		
54	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B									
54	Pioneer 25R78																	
55	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	6	6	11.9	60.4	70		
55	AgriPro Benton																	
56	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	10	7	11.9	57.3	62		
56	AgriPro Cooper																	
57	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	11	9	12.4	59.2	60		
57	AgriPro Gibson																	
58	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	12	9	12.7	61.2	73		
58	Bergmann-Taylor BT715																	
59	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	18	13	12.7	60.6	59		
59	Bergmann-Taylor BT720																	
60	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	32	18	13.2	60.6	60		
60	Bergmann-Taylor BT724																	
61	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	1	1	8	6	13.1	61.6	62		
61	FS Growmark 539																	

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
 Investigator: Bryan Young

Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW
 LeafRust LeafRust GlumeBch GlumeBch Moisture Test wt. Yield
 % Incid % Sever % Incid % Sever Percent lb/bu bu/A
 05-27-05 05-27-05 06-01-05 06-01-05 06-22-05 06-22-05 06-22-05
 30 DA-B 30 DA-B EOS EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	TRZAW LeafRust % Incid	TRZAW LeafRust % Sever	TRZAW GlumeBch % Incid	TRZAW GlumeBch % Sever	TRZAW Moisture Percent	TRZAW Test wt. lb/bu	TRZAW Yield bu/A
62	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	8	6	12.6	59.2	77
62	FS Growmark 621															
63	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	16	10	12.3	58.5	65
63	FS Growmark 634															
64	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	8	6	12.4	58.8	69
64	FS Growmark 652															
65	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	1	1	13	10	12.0	59.4	70
65	Public Sisson															
66	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	11	9	12.6	59.7	60
66	Gateway Sundance															
67	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	23	13	13.0	60.8	60
67	Lewis 838															
68	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	10	8	11.8	59.8	61
68	Lewis 850															
69	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	6	5	12.1	58.5	59
69	Pioneer 25R37															
70	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	8	6	12.3	58.4	69
70	Pioneer 25R47															
71	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	6	6	12.9	60.1	65
71	Pioneer 25R54															
72	TILT	3.6	F	0.112	lb ai/a	4	oz/a	F9	B	0	0	7	6	12.4	62.2	67
72	Pioneer 25R78															
73	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	5	5	12.5	60.0	73
73	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
73	AgriPro Benton															
74	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	7	5	12.5	56.7	66
74	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
74	AgriPro Cooper															
75	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	7	7	12.1	59.8	65
75	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
75	AgriPro Gibson															
76	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	14	11	12.4	61.3	70
76	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
76	Bergmann-Taylor BT715															
77	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	12	8	13.2	60.7	60
77	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
77	Bergmann-Taylor BT720															
78	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	17	10	12.1	61.3	61
78	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
78	Bergmann-Taylor BT724															
79	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	6	6	12.9	62.0	67
79	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
79	FS Growmark 539															
80	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	5	5	12.0	55.6	74
80	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
80	FS Growmark 621															
81	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	9	7	13.1	58.9	62
81	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
81	FS Growmark 634															
82	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	6	6	12.3	60.2	71
82	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
82	FS Growmark 652															

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
Investigator: Bryan Young

Weed Code
Crop Code
Rating Data Type
Rating Unit
Rating Date
Trt-Eval Interval

TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW
LeafRust LeafRust GlumeBch GlumeBch Moisture Test wt. Yield
% Incid % Sever % Incid % Sever Percent lb/bu bu/A
05-27-05 05-27-05 06-01-05 06-01-05 06-22-05 06-22-05 06-22-05
30 DA-B 30 DA-B EOS EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	TRZAW LeafRust % Incid	TRZAW LeafRust % Sever	TRZAW GlumeBch % Incid	TRZAW GlumeBch % Sever	TRZAW Moisture Percent	TRZAW Test wt. lb/bu	TRZAW Yield bu/A
83	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	7	8	12.3	61.1	71
83	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
83	Public Sisson															
84	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	9	7	13.0	60.0	54
84	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
84	Gateway Sundance															
85	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	12	7	12.7	60.6	70
85	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
85	Lewis 838															
86	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	9	7	12.0	60.3	66
86	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
86	Lewis 850															
87	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	6	5	12.2	58.0	64
87	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
87	Pioneer 25R37															
88	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	7	6	12.3	59.6	79
88	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
88	Pioneer 25R47															
89	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	6	5	12.3	60.8	69
89	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
89	Pioneer 25R54															
90	QUILT	1.67	F	0.183	lb ai/a	14	oz/a	F9	B	0	0	11	9	13.1	61.5	62
90	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B							
90	Pioneer 25R78															
91	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	5	5	12.4	60.1	69
91	AgriPro Benton															
92	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	8	6	12.1	57.4	74
92	AgriPro Cooper															
93	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	15	12	12.5	60.8	60
93	AgriPro Gibson															
94	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	10	7	12.4	59.0	68
94	Bergmann-Taylor BT715															
95	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	23	13	12.5	61.2	61
95	Bergmann-Taylor BT720															
96	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	18	12	12.6	60.8	63
96	Bergmann-Taylor BT724															
97	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	11	8	12.8	61.9	64
97	FS Growmark 539															
98	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	1	1	9	6	12.3	57.4	80
98	FS Growmark 621															
99	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	13	10	13.0	60.2	67
99	FS Growmark 634															
100	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	11	6	12.8	59.2	68
100	FS Growmark 652															
101	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	13	10	12.2	60.9	62
101	Public Sisson															
102	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	14	10	12.8	57.6	53
102	Gateway Sundance															
103	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	18	11	12.6	60.8	59
103	Lewis 838															
104	STRATEGO	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	10	8	12.2	60.3	62
104	Lewis 850															

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
Investigator: Bryan Young

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	TRZAW LeafRust % Incid	TRZAW LeafRust % Sever	TRZAW GlumeBch % Incid	TRZAW GlumeBch % Sever	TRZAW Moisture Percent	TRZAW Test wt. lb/bu	TRZAW Yield bu/A
105	STRATEGO 105 Pioneer 25R37	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	6	6	12.3	58.8	54
106	STRATEGO 106 Pioneer 25R47	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	6	5	12.1	60.3	76
107	STRATEGO 107 Pioneer 25R54	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	6	5	12.6	58.7	65
108	STRATEGO 108 Pioneer 25R78	2.08	EC	0.162	lb ai/a	10	oz/a	F9	B	0	0	10	8	12.4	62.4	62
109	FOLICUR 109 ACTIVATOR 90 109 AgriPro Benton	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	7	6	11.6	61.5	65
110	FOLICUR 110 ACTIVATOR 90 110 AgriPro Cooper	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	10	7	12.1	61.3	62
111	FOLICUR 111 ACTIVATOR 90 111 AgriPro Gibson	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	14	9	12.6	61.0	60
112	FOLICUR 112 ACTIVATOR 90 112 Bergmann-Taylor BT715	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	11	6	12.2	62.7	68
113	FOLICUR 113 ACTIVATOR 90 113 Bergmann-Taylor BT720	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	23	13	12.6	62.4	64
114	FOLICUR 114 ACTIVATOR 90 114 Bergmann-Taylor BT724	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	27	18	12.5	61.8	64
115	FOLICUR 115 ACTIVATOR 90 115 FS Growmark 539	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	12	9	12.9	63.9	62
116	FOLICUR 116 ACTIVATOR 90 116 FS Growmark 621	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	8	6	11.9	61.2	82
117	FOLICUR 117 ACTIVATOR 90 117 FS Growmark 634	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	22	15	12.6	60.9	64
118	FOLICUR 118 ACTIVATOR 90 118 FS Growmark 652	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	7	6	12.2	62.8	68
119	FOLICUR 119 ACTIVATOR 90 119 Public Sisson	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	12	8	12.1	62.5	76
120	FOLICUR 120 ACTIVATOR 90 120 Gateway Sundance	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	12	9	12.8	62.1	56
121	FOLICUR 121 ACTIVATOR 90 121 Lewis 838	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	21	14	12.5	61.4	65
122	FOLICUR 122 ACTIVATOR 90 122 Lewis 850	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	14	10	11.9	61.8	65
123	FOLICUR 123 ACTIVATOR 90 123 Pioneer 25R37	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	6	5	12.3	60.6	59

Wheat Variety by Fungicide Trial

Project Code: 05-ARC-N9-E365 Location: Agronomy Research Center
Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	TRZAW LeafRust % Incid	TRZAW LeafRust % Sever	TRZAW GlumeBch % Incid	TRZAW GlumeBch % Sever	TRZAW Moisture Percent	TRZAW Test wt. lb/bu	TRZAW Yield bu/A
						05-27-05 30 DA-B	05-27-05 30 DA-B	06-01-05 EOS	06-01-05 EOS	06-22-05	06-22-05	06-22-05
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
124	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	8
124	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B	7	13.1	58.8
124	Pioneer 25R47											72
125	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	6
125	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B	5	12.3	62.9
125	Pioneer 25R54											75
126	FOLICUR	3.6	F	0.14	lb ai/a	5	oz/a	F9	B	0	0	15
126	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	F9	B	9	12.4	61.2
126	Pioneer 25R78											59
LSD (P=.05)						6.3	3.8	9.5	5.2	0.96	4.99	11.5
Replicate F						5.076	3.756	27.958	21.977	8.041	3.194	13.900
Replicate Prob(F)						0.0069	0.0247	0.0001	0.0001	0.0004	0.0427	0.0001
Treatment F						5.251	9.538	5.494	5.293	1.576	1.316	2.309
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0014	0.0360	0.0001

Trial Comments

1. Protocol: SIUC.
2. Ratings: Diseases; seeds/lb wheat at planting; % lodging; and grain yield, moisture, and test weight.
3. Blanket application of Harmony Extra + 2, 4-D + Warrior + Activator 90 at 0.5 oz/A + 6.0 oz/A + 2.0 oz/A + 0.125 %v/v to all plots was applied on 3-31-05.
4. Spring nitrogen applications were; 52 lb/A N on 2-19-05, and 68 lb/A N on 4-1-05.
5. BYD = Barley yellow dwarf. DA-B = Days after FK9 application. % Incid = Percent incidence.
% Sever = Percent severity. GlumeBch = Glume blotch. TanSpot = Tan spot. LeafRust = Leaf rust.
EOS = End of season. Tan spot and leaf blotch were rated on flag leaf and next leaf down only.
6. There was no head scab apparent in any plots. Lodging was not apparent in any plots at harvest.
Grain samples were not collected due to the general lack of head scab.
7. Harvested 6-22-05, (6) 8 inch rows by 25 ft.