

## Influence of Fungicides on Disease Incidence in Wheat.

00-WF-SES-80

**OBJECTIVE:** Compare several fungicides for reduction of disease incidence in winter wheat.

**SUMMARY:** Fungicides reduced the incidence of sceptoria on the flag leaf by 8 to 9%, compared with the nontreated. There were no significant differences in disease incidence among fungicides. No glume blotch was observed with any treatment. There were no significant differences in test weight or yield among treatments. Yield ranged from 94 to 97 bu/A.

**FUNGICIDES**

EXP001 4 SC  
FOLICUR 3.6 F  
QUADRIS 2.08 SC  
STRATEGO 2.08 EC  
TILT 3.6 F  
INDUCE 100 LIQ

**WEEDS**

NA

**CROP**

WHEAT, WINTER

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## Influence of Fungicides on Disease Incidence in Wheat.

Project Code: 00-WF-SES-80 Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

## Weed Code

1. NA

Crop 1: TRZAW WHEAT, WINTER  
 Planting Method: SEEDED  
 Rate: 100 LB/A  
 Row Spacing: 7.5 IN

Variety: P25R26  
 Planting Date: 10-14-99  
 Depth: 1.0 IN

Plot Width, Unit: 10 FT  
 Tillage Type: REDUCED-TILL  
 Previous Crop, Year: GLXMA, 1999

Plot Length, Unit: 28 FT Reps: 6  
 Study Design: RCB  
 Fertilizer applied: N 110 LB/A, APPLIED 30 LB/A FALL, AND 80 LB/A SPRING.

Texture: SILT LOAM

% OM: 1.8 pH: 6.5 CEC: 9  
 P<sub>1</sub>: 59 LB/A, K: 181 LB/A

## APPLICATION DESCRIPTION

A  
 Application Date: May-6-00  
 Time of Day: 8:00  
 Application Method: SPRAY  
 Application Timing: F10  
 Applic. Placement: BROFOL  
 Air Temp., Unit: 70 F  
 % Relative Humidity: 94  
 Wind Velocity, Unit: 0 MPH  
 Soil Moisture: DRY

## CROP STAGE AT EACH APPLICATION

A  
 Crop 1 Code, Stage: TRZAW F 10.2  
 Height, Unit: 35 IN

## WEED STAGE AT EACH APPLICATION

A  
 Weed 1 Code: NA

## APPLICATION EQUIPMENT

A  
 Appl. Equipment: CO, SPRAY  
 Operating Pressure: 40 PSI  
 Nozzle Type: FLAT FAN  
 Nozzle Size: 8002  
 Boom Length, Unit: 10 FT  
 Spray Volume, Unit: 19.45 GPA

## NOTES:

Harvested Jun-20-00, 4.375 by 20 ft.

TABLE. INFLUENCE OF FUNGICIDES ON DISEASE INCIDENCE IN WHEAT. PROJECT CODE:00-WF-SES-80

TREATMENT	FORM.	RATE	UNIT	PROD RATE	APPL TIME	APPL CODE	TRZAW				
							DISEASE DA F10		MOISTURE	TEST WEIGHT	YIELD
							21	28			
%	%	%	LB/BU	BU/A							
1 NONTREATED							10	10	14.5	53.0	95
2 FOLICUR	3.6 F	0.112	LB A/A	0.25	PT/A	F10 A	2	2	14.7	53.4	97
2 INDUCE	100 LIQ	0.125	% V/V	0.125	%V/V	F10 A					
3 QUADRIS	2.08 SC	0.125	LB A/A	0.48	PT/A	F10 A	1	1	14.7	53.5	96
4 TILT	3.6 F	0.112	LB A/A	0.25	PT/A	F10 A	2	2	14.6	53.3	94
5 EXP001	4 SC	0.156	LB A/A	0.312	PT/A	F10 A	1	1	14.8	53.7	94
5 INDUCE	100 LIQ	0.125	% V/V	0.125	%V/V	F10 A					
6 STRATEGO	2.08 EC	0.13	LB A/A	0.5	PT/A	F10 A	1	1	14.5	53.3	95
7 STRATEGO	2.08 EC	0.163	LB A/A	0.63	PT/A	F10 A	1	1	14.6	53.6	97
LSD							1	1	0.39	0.49	6
P							0.01	0.01	0.7	0.1	0.9

1. PROTOCOL: SIU/RFK.

2. AT 21 DA F10, SEPTORIA LEAF BLOTCH ON FLAG LEAF, NOT HEAD BLOTCH. AT 28 DA F10, NO GLUME BLOTCH.

3. RATING DATES:

21 DA F10, AND 28 DA F10 ON MAY-27-00, AND JUN-3-00, RESPECTIVELY.