

NDSU: Carrington Research Extension Center

2004

Fungicide Evaluations for Suppression of Fusarium Head Blight (Scab)

Spring Wheat Evaluation

ID	Fungicide Treatment	Product Rate/Acre	Application Timing	Grain Yield bu/ac	Test Weight lbs/bu	1000 KWT gms	Grain Protein %	E. Leaf Disease %	L. Leaf Disease %	Don ppm	Incid. %	Head Severity %	Plot Severity %
1	Untreated Check	NA	NA	53.5	58.9	31.8		57.4	94.4	5.6	42.9	22.8	10.7
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	71.1	61.0	35.9		14.0	43.3	2.3	19.2	17.0	3.7
3	Tilt	4.0 fl oz	10.51	65.6	60.7	36.1		20.0	52.5	2.7	20.8	15.8	3.1
4	JAU 6476 + NIS	5.0 fl oz + 0.125 % v/v	10.51	66.1	61.2	36.1		16.3	52.5	1.6	25.0	21.2	4.9
5	JAU 6476 +Folicur +NIS	2.85 fl oz + 3.17 fl oz + 0.125% v/v	10.51	69.6	61.1	37.4		12.8	35.0	1.3	21.7	9.3	2.4
6	V-10116 + NIS	6.0 fl oz + 0.125 % v/v	10.51	66.1	60.8	36.4		13.3	33.3	1.3	26.7	11.7	3.3
7	V-10116 + NIS	4.0 fl oz + 0.125 % v/v	10.51	69.6	61.0	36.5		13.3	39.3	1.5	25.0	11.0	3.3
8	JAU 6476 + V-10116 + NIS	3.6 fl oz + 4.0 fl oz + 0.125% v/v	10.51	70.8	61.2	35.8		15.8	37.5	1.5	14.2	16.4	2.6
9	PropiMax + NIS	4.0 fl oz + 0.125 % v/v	10.51	65.6	60.8	36.4		12.8	42.5	2.0	31.7	20.7	6.2
10	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.3	69.9	60.9	35.5		12.3	28.8	2.0	20.8	14.7	3.1
11	JAU 6476 +Folicur +NIS	2.85 fl oz + 3.17 fl oz + 0.125% v/v	10.3	73.2	60.8	37.3		12.3	27.0	0.5	13.3	9.1	1.2
12	Folicur + NIS	2.0 fl oz + 0.125 % v/v	10.51 + 7 days	66.7	60.5	36.2		15.8	27.5	2.6	43.3	21.4	9.7
13	JAU 6476 + NIS	2.85 fl oz + 0.125 % v/v	10.51 + 7 days	73.8	61.4	37.4		15.8	27.5	1.0	28.3	15.4	4.8
14	Folicur + NIS	4.0 fl oz + 0.125 % v/v	7 days post 10.51	67.0	60.5	34.8		24.5	43.3	2.9	36.7	13.6	5.7
15	JAU 6476 + NIS	5.0 fl oz + 0.125 % v/v	7 days post 10.51	62.4	60.0	34.5		25.5	62.0	3.8	48.3	20.6	10.2
MEAN				66.5	60.6	35.6		21.2	46.3	2.4	28.8	16.5	5.3
C.V.%				5.2	0.8	3.3		32.8	14.0	35.0	33.8	53.9	69.4
LSD.05				4.9	0.7	1.7		9.9	9.2	1.2	13.9	NS	5.3
LSD.01				6.5	0.9	2.2		13.2	12.3	1.6	18.5	NS	7.0
#REPS				4	4	4		4	4	4	4	4	4

** All treatment applications were made at Feeke's growth stage 10.51 unless noted.

** Treatments 1 through 7 are part of Uniform Scab Fungicide Evaluation program.

** **'Induce'** was the NIS product utilized.

** Treatments applied with 17.0 gallons of water per acre at 35 psi pressure using 8002 Twinjet tips.

** Spring Wheat Cultivar = Reeder; Planting Rate = 1.6 million PLS

** Planting Date = May 17 ; Harvest Date = September 10 ; Previous Crop = Corn (*some wheat straw distributed)