

NDSU: Carrington Research Extension Center

2002

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 %	Leaf Disease %	Incid. %	Head Severity %	Plot Severity %	Don ppm
1	Untreated Check	NA	NA	39.5	56.4	28.0	15.4	78	64	37	24.3	0.8
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	51.9	59.3	31.5	15.7	37	50	24	10.6	0.5
3	AMS 21619 + NIS	5.7 fl oz + 0.125 % v/v	10.51	54.6	58.5	29.9	15.6	38	60	35	21.2	0.5
4	BAS 505 + NIS	0.4 lb + 0.125 % v/v	10.51	53.5	59.0	30.8	15.6	33	50	34	16.1	0.4
5	OH 182.9 + NIS (UDSA Bio.)		10.51	37.3	56.9	27.1	15.6	72	59	48	28.9	0.6
6	Trigo Corr (no NIS)		10.51	48.7	59.1	31.2	15.2	75	59	36	20.1	0.4
7	Trigo Corr + Folicur + NIS	??? + 4.0 fl oz + 0.125 % v/v	10.51	54.7	59.2	31.4	15.6	31	58	38	21.1	0.3
8	AMS 21619 + Folicur + NIS	3.6 fl oz + 4.0 fl oz + 0.125 % v/v	10.51	52.5	59.7	31.7	15.3	15	57	29	17.1	0.3
9	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.51	45.9	58.2	29.8	15.6	35	53	40	20.2	0.8
10	Folicur + NIS	2.0 fl oz + 0.125 % v/v	10.51 + 7D	48.7	59.1	30.7	15.7	34	48	43	18.5	0.5
11	AMS 21619 + NIS	2.85 fl oz + 0.125 % v/v	10.51 + 7D	49.4	59.3	30.9	15.4	42	55	34	16.9	0.4
12	Stratego	10 fl oz + 0.125 % v/v	10.51	54.4	59.1	30.9	15.7	31	59	32	18.6	0.6
13	Headline	6 fl oz + 0.125 % v/v	10.51	52.4	59.1	32.0	15.6	28	58	29	16.5	0.8
14	PropiMax + NIS	4.0 fl oz + 0.125 % v/v	10.51	48.6	59.0	31.1	15.1	25	59	31	19.3	0.7
15	V-10116 + NIS	11.1 fl oz + 0.125 % v/v	10.51	47.4	58.1	29.9	15.3	35	55	28	15.8	0.6
			MEAN	48.6	58.5	30.3	15.5	42.7	56.7	34.7	19.3	0.6
			C.V.%	14.3	1.3	4.5	2.5	28.1	13	32.6	35.9	48.1
			LSD.05	9.8	1.1	1.9	NS	16.6	9.8	NS	NS	NS
			LSD.01	13.2	1.4	2.6	NS	22.8	NS	NS	NS	NS
			LSD.10									0.3
			#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 8 are part of Uniform Scab Fungicide Evaluation effort.

\*\* **'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 = Russ; Planting Rate = 1.6 million PLS

\*\* Planting Date = May 3 ; Harvest Date = August 14 ; Previous Crop = Soybean (\*wheat straw distributed)