

NDSU: Carrington Research Extension Center

2002

Fungicide Evaluations for Suppression of Fusarium Head Blight (Scab)

Durum 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 %	Head Incid. %	Head Severity %	Plot Severity %	Don ppm
1	Untreated Check	NA	NA	41.1	56.1	29.9	15.6	73.0	92.1	49.9	46.8	3.3
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	51.0	58.7	34.1	15.5	28.0	90.0	40.2	36.3	2.6
3	AMS 21619 + NIS	5.7 fl oz + 0.125 % v/v	10.51	51.0	59.0	34.2	15.5	33.5	84.2	41.8	35.6	0.9
4	BAS 505 + NIS	0.4 lb + 0.125 % v/v (??)	10.51	54.1	59.3	34.7	15.3	29.3	93.3	40.6	38.2	1.0
5	OH 182.9 + NIS (UDSA Bio.)		10.51	40.9	56.9	31.0	15.2	43.3	90.8	44.6	41.2	3.7
6	Folicur + NIS	4.0 fl oz + 0.125 % v/v	7 days post 10.51	51.0	58.5	33.2	15.2	29.0	95.8	44.9	43.3	2.5
7	AMS 21619 + NIS	5.7 fl oz + 0.125 % v/v	7 days post 10.51	51.9	59.2	34.9	15.1	24.0	88.3	41.9	37.4	1.6
8	AMS 21619 + Folicur + NIS	3.6 fl oz + 4.0 fl oz + 0.125 % v/	10.51	56.1	59.4	34.9	15.0	32.0	92.5	47.3	43.2	1.1
9	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.51	47.7	58.2	34.9	15.3	35.0	94.2	47.1	44.7	2.4
10	Folicur + NIS	2.0 fl oz + 0.125 % v/v	10.51 + 7 days	50.8	58.5	34.2	15.3	21.0	89.2	41.6	37.6	2.1
11	AMS 21619 + NIS	2.85 fl oz + 0.125 % v/v	10.51 + 7 days	53.2	59.1	34.6	15.3	23.3	84.2	29.4	24.8	0.4
12	Stratego	10 fl oz + 0.125 % v/v	10.51	48.7	57.9	32.8	15.3	24.8	93.3	45.5	42.5	3.1
13	Headline	6 fl oz + 0.125 % v/v	10.51	51.1	58.4	35.7	15.5	26.0	84.2	39.7	34.0	3.0
14	PropiMax + NIS	4.0 fl oz + 0.125 % v/v	10.51	46.5	57.7	33.3	15.3	30.8	92.5	50.9	47.2	3.6
15	BAS 505 + NIS	0.4 lb + 0.125 % v/v (??)	7 days post 10.51	46.1	58.2	33.7	15.4	36.5	95.8	58.3	56.6	1.8
			MEAN	48.9	58.2	33.5	15.3	35.1	90.8	44.5	40.9	2.3
			C.V.%	8.9	1.5	6.0	2.0	10.6	7	25.3	27.0	22.8
			LSD.05	6.2	1.3	2.9	NS	5.3	NS	NS	NS	0.7
			LSD.01	8.3	1.7	3.9	NS	7.1	NS	NS	NS	1.0
			#REPS	4	4	4	4	4	4	4	4	4
			LSD.10						7.3		13.1	

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

\*\* Treatments 1 through 5 and 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.

\*\* Durum Wheat Cultivar = Munich; Planting Rate = 1.6 million PLS

\*\* Planting Date = May 3 ; Harvest Date = August 19 ; Previous Crop = Soybean (\*wheat straw distributed)