

NDSU: Carrington Research Extension Center

2005

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 %	Don ppm	Incid. %	Head Severity %	Plot Severity %	Relative Leaf Disease 1 to 10	Relative Head Disease 1 to 10
1	Untreated Check	NA	NA	30.7	57.0	27.4	15.8	43.0	10.1	63	56	36	3.5	3.3
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	44.1	58.1	29.9	16.2	21.5	6.4	55	41	23	8.8	6.5
3	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.51	47.7	58.1	30.0	16.1	25.0	5.5	49	39	20	8.8	6.9
4	BAS 555 01/F + NIS	13.5 fl oz + 0.125 % v/v	10.51	45.8	58.0	29.7	16.1	24.0	5.2	53	40	21	8.4	6.4
5	BAS 555 01/F + NIS	10 fl oz + 0.125 % v/v	10.51	44.8	58.0	29.3	16.2	23.0	5.5	63	38	24	8.8	6.3
6	Punch (no surfactant)	6.0 fl oz	10.51	43.2	58.2	30.5	16.0	22.3	6.8	55	49	27	7.8	5.3
7	Punch (no surfactant)	8.0 fl oz	10.51	43.4	58.1	30.1	16.1	22.0	4.9	63	46	29	8.4	6.6
8	PropiMax + NIS	4.0 fl oz + 0.125 % v/v	10.51	37.8	57.5	28.9	16.1	25.3	6.0	70	47	33	7.1	5.4
9	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.51	41.5	58.3	30.0	16.0	23.3	4.3	63	42	27	8.3	6.0
10	Prosaro + NIS (+PGR)	6.5 fl oz + 0.125 % v/v	10.51	50.0	58.6	30.6	16.0	23.0	3.5	60	40	24	8.6	6.9
11	Folicur + NIS (+PGR)	4.0 fl oz + 0.125 % v/v	10.51	47.3	58.6	30.5	16.1	23.8	5.0	61	35	22	8.4	7.0
12	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	7 days post 10.51	56.3	60.1	32.7	15.9	22.5	1.4	49	21	11	9.3	8.5
13	Folicur + NIS	4.0 fl oz + 0.125 % v/v	7 days post 10.51	52.1	59.6	31.4	16.0	24.0	4.1	55	29	16	8.9	7.3
14	Prosaro + NIS	3.25 fl oz + 0.125 % v/v	10.51 + 7 days	40.0	57.5	28.9	16.3	23.3	3.7	63	41	26	8.8	6.1
15	Folicur + NIS	2.0 fl oz + 0.125 % v/v	10.51 + 7 days	39.2	57.5	28.9	16.2	25.0	6.0	60	48	30	7.8	5.9
16	Untreated Check	NA	NA	29.1	56.5	25.5	15.6	52.5	8.9	66	45	29	1.8	3.8
			MEAN	43.3	58.1	29.6	16.0	26.5	5.4	59.1	41.1	24.7	7.7	6.1
			C.V.%	8.1	1.1	3.5	0.9	20.8	51.3	11.5	24.9	30.1	11.8	10.8
			LSD.05	5.0	0.9	1.5	0.2	7.8	3.9	9.7	14.6	10.6	1.3	0.9
			LSD.01	6.7	1.2	2.0	0.3	10.5	NS	12.9	19.5	14.2	1.7	1.3
			#REPS	4	4	4	4	4	4	4	4	4	4	4

** The 'Relative Leaf and Head Disease' scores are on 1 to 10 scale: 1 = high disease pressure & 10 = low/no disease pressure.

** 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