

NDSU: Carrington Research Extension Center

2005

Fungicide Evaluations for Suppression of Fusarium Head Blight (Scab)

Durum 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 %
1	Untreated Check	NA	NA	54.4	59.5	33.2	15.6	85.8	6.2	55	50	27.7
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	58.1	59.6	33.7	15.8	66.3	3.6	58	50	28.2
3	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.51	66.0	61.2	37.5	15.5	37.5	1.8	50	32	16.4
4	BAS 555 01/F + NIS	13.5 fl oz + 0.125 % v/v	10.51	67.2	61.5	38.0	15.5	32.5	2.6	56	41	22.8
5	BAS 555 01/F + NIS	10 fl oz + 0.125 % v/v	10.51	66.1	61.2	37.5	15.5	41.3	2.4	49	35	16.8
6	Punch (no surfactant)	6.0 fl oz	10.51	60.9	59.9	35.3	15.8	50.0	4.2	55	34	19.3
7	Punch (no surfactant)	8.0 fl oz	10.51	59.3	59.6	35.2	15.7	35.8	4.4	54	36	20.0
8	PropiMax + NIS	4.0 fl oz + 0.125 % v/v	10.51	61.2	60.2	36.1	15.7	34.3	4.7	58	30	17.9
9	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.4	54.7	59.2	33.5	15.8	60.5	6.2	55	46	25.1
10	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.3	61.4	60.2	35.5	15.9	37.5	5.0	58	36	20.3
11	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.3	55.7	59.1	34.1	16.1	56.8	5.8	56	37	21.2
12	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	7 days post 10.51	61.0	60.4	35.4	15.6	47.8	3.2	61	33	20.4
13	Folicur + NIS	4.0 fl oz + 0.125 % v/v	7 days post 10.51	56.7	60.1	35.7	15.6	45.3	3.3	54	36	19.8
14	Prosaro + NIS	3.25 fl oz + 0.125 % v/v	10.51 + 7 days	65.8	60.9	36.2	15.7	48.3	1.5	55	35	19.7
15	Folicur + NIS	2.0 fl oz + 0.125 % v/v	10.51 + 7 days	62.8	60.5	36.5	15.7	37.3	4.0	46	29	13.8
16	Untreated Check	NA	NA	55.4	59.2	33.7	15.6	90.0	6.1	56	41	22.3
			MEAN	60.4	60.1	35.5	15.7	50.4	4.1	54.7	37.5	20.7
			C.V.%	3.8	0.9	4.0	1.4	24.3	22.9	13.2	36.6	40.4
			LSD.05	3.3	0.8	2.0	NS	17.5	1.3	NS	NS	NS
			LSD.01	4.4	1	2.7	NS	23.3	1.8	NS	NS	NS
			#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.

** Durum Cultivar = Lebsock ; Planting Rate = 1.6 million PLS

** Planting Date = May 5 ; Harvest Date = August 16 ; Previous Crop = Soybean (*some wheat straw distributed)