

NDSU: Carrington Research Extension Center
2006 - Spring Wheat Evaluation
Fungicide Evaluations for Suppression of Fusarium Head Blight (Scab)

ID	Fungicide Treatment	Product Rate/Acre	Application Timing	Grain Yield bu/ac	Test Weight lbs/bu	1000 KWT gms	Grain Protein %	Leaf Disease %	Don ppm	Incid. %	Head Severity %	Plot Severity %
1	Untreated Check	NA	NA	78.7	60.4	35.7	15.6	45.9	0.68	46.3	21.7	9.9
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	80.2	60.2	36.0	15.6	16.8	0.60	55.0	21.4	12.1
3	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.51	81.9	60.2	34.7	15.6	26.3	0.00	40.0	23.9	9.6
4	Caramba + NIS	10.0 fl oz + 0.125 % v/v	10.51	83.0	61.1	36.5	15.5	18.8	0.00	43.8	20.6	8.6
5	KFD-09-01 + Topsin-M 4.5F	2.0 fl oz + 8.0 fl oz+ 0.125% v/v	10.51	83.0	60.7	36.0	15.5	20.5	0.13	46.3	21.9	10.2
6	Topguard (Flutriafol) + NIS	14.0 fl oz + 0.125 % v/v	10.51	78.6	60.4	35.8	15.9	28.8	0.58	46.3	29.9	15.4
7	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.50	82.8	60.0	35.8	15.6	11.8	0.30	43.8	24.7	10.1
11	Prosaro + NIS + Sugar Mover	6.5 fl oz + 0.125 % v/v + 1.5 pt	10.51	87.7	61.5	37.0	15.5	19.0	0.00	38.8	22.1	8.3
12	Prosaro + NIS + HappyGro + PhotoGro	6.5 fl oz + 0.125 % v/v + 2.0 + 2	10.51	85.4	61.3	35.7	15.5	18.3	0.00	46.3	20.5	10.4
13	Prosaro + NIS (Flat Fan)	6.5 fl oz + 0.125 % v/v	10.51	82.5	60.4	35.8	15.6	19.5	0.15	52.5	17.0	9.1
14	Folicur + NIS (Flat Fan)	4.0 fl oz + 0.125 % v/v	10.51	79.4	60.1	35.4	15.7	16.0	0.30	50.0	19.2	9.4
15	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	7 days post 10.51	80.7	60.9	35.7	15.6	15.3	0.13	46.3	24.9	11.7
16	Folicur + NIS	4.0 fl oz + 0.125 % v/v	7 days post 10.51	82.9	60.1	34.7	15.5	23.5	0.33	43.8	19.1	8.3
17	Enable 2F + Agri-Dex COC	4.0 fl oz + 1.0 % v/v	10.51	82.2	60.7	35.9	15.6	30.8	0.48	51.3	28.2	14.3
			MEAN	81.4	60.4	35.6	15.6	23.4	0.29	45.7	22.5	10.4
			C.V.%	4.7	1.5	2.8	1.1	39.2	115	22.4	39.2	50.0
			LSD.05	5.4	NS	NS	NS	13.1	0.48	NS	NS	NS
			LSD.01	7.3	NS	NS	NS	17.4	0.64	NS	NS	NS
			Pr > F	0.0037	0.1167	0.1227	0.0806	0.0001	0.0006	0.5627	0.8594	0.7676
			#REPS	4	4	4	4	4	4	4	4	4

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

** KFD-09-01 is a formulation of tebuconazole.

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

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

** 'Induce' was the NIS product utilized.

** Spring Wheat Cultivar = Steele-ND ; Planting Rate = 1.6 million PLS

** Planting Date = April 27 ; Harvest Date = August 8 ; Previous Crop = Soybean (*some wheat straw distributed)