

NDSU Carrington Research Extension Center
2008 - Spring Wheat Evaluation
Fungicide Evaluations for Suppression of Fusarium Head Blight (Scab)

Fungicide evaluation for suppression of fusarium head blight (scab)	Carrington
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ID	Fungicide Treatment	Product Rate/Acre	Application Timing	Grain Yield bu/ac	Test Weight lb/bu	1000 KWT gram	Grain Protein %	Leaf Disease %	DON ppm	Incid. %	Head Severity %
1	Untreated Check	NA	NA	71.5	62.2	31.8	14.4	60.1	0.00	47.3	27.1
2	Folicur + NIS	4.0 fl oz + 0.125% v/v	10.51	76.4	62.5	34.4	14.5	22.2	0.00	27.4	20.5
3	Proline + NIS	5.0 fl oz + 0.125% v/v	10.51	78.7	62.7	34.5	14.3	28.5	0.00	21.5	20.1
4	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.51	80.7	62.1	33.4	14.7	21.9	0.00	16.5	11.9
5	Caramba + NIS	10.0 fl oz + 0.125 % v/v	10.51	79.9	62.1	33.0	14.5	24.2	0.00	21.3	15.9
6	Caramba + NIS	14.0 fl oz + 0.125 % v/v	10.51	82.3	62.1	33.9	14.6	28.5	0.00	18.5	9.7
7	Topguard + NIS	14.0 fl oz + 0.125 % v/v	10.51	76.9	62.5	33.8	14.4	44.3	0.00	34.5	26.7
8	Caramba + NIS	14.0 fl oz + 0.125 % v/v	10.51	78.6	62.7	34.4	14.3	35.3	0.00	21.0	14.1
9	Proline + NIS	5.7 fl oz + 0.125% v/v	10.51	79.9	62.5	34.5	14.4	26.9	0.00	19.7	18.2
10	Proline + Folicur + NIS	4.0 fl oz + 4.0 fl oz + 0.125 % v/v	10.51	81.9	62.7	36.2	14.4	17.4	0.00	17.5	13.3
11	Propimax EC + NIS	4.0 fl oz + 0.125 % v/v	10.51	75.9	62.8	34.0	14.6	14.2	0.00	35.0	24.8
12	Caramba + Folicur	7.0 fl oz + 3.0 fl oz + 0.125 % v/v	10.51	82.4	62.5	34.2	14.4	17.4	0.00	15.6	12.5
13	Caramba + Proline	7.0 fl oz + 3.0 fl oz + 0.125 % v/v	10.51	81.0	62.6	34.7	14.5	36.4	0.00	19.0	13.7
14	Tilt + NIS	4.0 fl oz + 0.125% v/v	10.51	79.1	62.6	33.1	14.4	17.7	0.25	29.8	21.3
15	Proline + Headline + NIS	5.0 fl oz + 2.0 fl oz + 0.125% v/v	10.50	81.8	62.9	35.1	14.4	21.1	0.00	16.3	15.3
16	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	10.3	77.4	62.3	33.5	14.7	31.7	0.00	32.3	21.0
17	Prosaro + NIS	6.5 fl oz + 0.125 % v/v	7 days post 10.51	76.3	62.3	33.8	14.7	37.7	0.00	33.7	25.1
18	Untreated Check	NA	NA	74.1	62.0	31.8	14.3	55.1	0.00	42.4	24.1
			MEAN	78.6	62.4	33.9	14.5	30.0	0.01	26.1	18.6
			C.V.%	5.9	0.8	3.1	1.9	48.2	489	29.7	34.1
Folicur = tebuconazole			Propimax = propiconazole	LSD.05	NS	NS	1.5	NS	14.3	0.10	NS
Caramba = metconazole			Tilt = propiconazole	LSD.01	NS	NS	2.0	NS	18.7	0.13	NS
Topguard = flutriafol			Proline = prothioconazole	Pr > F	0.0730	0.2834	0.0001	0.5982	0.0002	0.0012	0.0001
			#REPS	4	4	4	4	4	4	4	4

**** Spring Wheat Cultivar = Ada ; Planting Rate = 1.6 million PLS; Planting Date = May 7 : Harvest Date = August 25 ; Previous Crop = Soybean**

**** 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.**

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

**** 'Induce' was the NIS product utilized.**