

NDSU Carrington Research Extension Center
2007 - Durum Evaluation I
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	Scab Incid. %	Scab Severity %
1	Untreated Check	NA	NA	45.2	59.1	42.0	15.5	36.5	1.1	23.8	17.5
2	Folicur + NIS	4.0 fl oz + 0.125 % v/v	10.51	48.0	58.9	41.9	15.6	28.0	1.5	19.0	13.5
3	Prosaro (proxy) + NIS	3.0 fl oz + 3.0 fl oz + 0.125 % v/v	10.51	44.3	59.4	43.6	15.5	32.8	1.3	20.0	13.0
4	Caramba + NIS	10.0 fl oz + 0.125 % v/v	10.51	46.8	59.7	42.9	15.1	25.0	1.7	20.0	15.0
5	Caramba + NIS	13.5 fl oz + 0.125 % v/v	10.51	48.5	59.4	42.6	15.5	12.0	1.7	21.3	13.5
6	Topguard + NIS	14.0 fl oz + 0.125 % v/v	10.51	46.4	59.5	42.1	15.3	25.5	1.4	16.3	13.5
7	ProLine 480 EC + NIS	5.0 fl oz + 0.125 % v/v	10.51	44.7	59.8	42.7	15.5	17.5	1.2	16.3	11.5
8	Enable + Propimax EC	4.0 fl oz + 4.0 fl oz + 0.125 % v/v	10.51	47.1	59.7	44.4	15.4	28.8	0.9	17.5	10.0
9	Propimax EC + NIS	4.0 fl oz + 0.125 % v/v	10.51	51.3	59.8	43.9	15.4	30.0	0.8	15.8	14.0
10	Prosaro + NIS	3.0 fl oz + 3.0 fl oz + 0.125 % v/v	10.30	47.0	59.4	42.7	15.6	30.5	1.3	18.8	12.0
11	Tilt + NIS	4.0 fl oz + 0.125 % v/v	10.50	45.1	59.6	43.4	15.3	23.5	1.7	18.8	14.0
12	Prosaro + NIS	3.0 fl oz + 3.0 fl oz + 0.125 % v/v	7 days post 10.51	44.7	59.6	42.5	14.9	36.0	1.5	16.3	12.0
13	Untreated Check	NA	NA	46.4	60.2	44.0	14.9	31.0	1.1	23.8	24.0
			MEAN	46.6	59.5	43.0	15.3	27.5	1.3	19.0	14.1
			C.V.%	8.8	1.0	3.2	3.1	26.8	59.5	35.8	43.8
			LSD.05	NS	NS	NS	NS	10.6	NS	NS	NS
			LSD.01	NS	NS	NS	NS	14.2	NS	NS	NS
			Pr > F	0.5581	0.309	0.2084	0.4587	0.0016	0.8601	0.8017	0.2794
			#REPS	4	4	4.0	4	4	4	4	4

Folicur = tebuconazole
Caramba = metconazole
Topguard = flutriafol
ProLine = prothioconazole
Enable = fenconazole
Propimax = propiconazole
Tilt = propiconazole
Prosaro = proxy of Folicur + Proline

- ** 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 10 ; Harvest Date = August 16 ; Previous Crop = Sunflower (*some wheat straw distributed)