

NDSU: Carrington Research Extension Center

2005

Hard Red Spring Wheat Variety Trial

Organic Management : Wells County (Cathay)

Obs	Variety	Plant Vigor 1-10	Plant Lodge 0-9	Plant Height inch	Head Scab 1-10	Grain Protein %	1000 KWT gms	Test Weight lbs/bu	Grain Yield bu/ac
1	Alsen	8.3	0.0	30.7	2.0	16.0	21.9	57.4	19.1
2	Coteau	3.5	0.0	37.1	1.0	15.0	24.7	53.8	21.2
3	Dapps	8.5	0.0	35.5	9.5	16.7	22.1	54.9	15.8
4	Fryer	8.8	0.0	30.6	4.0	15.7	20.3	54.4	16.8
5	Hanna	8.5	0.0	37.4	1.5	14.3	25.3	56.3	19.9
6	KW175	9.5	0.0	30.1	7.5	14.5	24.2	56.8	23.3
8	Parshall	9.0	0.0	34.7	7.5	15.2	21.3	56.0	14.1
9	Steele-ND	10.0	0.0	31.6	8.3	15.9	23.1	57.1	18.5
10	Stoa	4.3	0.0	37.5	2.0	14.1	17.8	53.8	16.6
11	Trooper	7.0	0.0	28.2	9.5	14.6	20.7	54.0	12.3
	MEAN	7.8	0.0	33.1	5.4	15.1	22.3	55.4	18.1
	C.V.%	21.8	NA	3.5	26.4	0.8	8.1	1.6	9.2
	LSD.05	2.4	NS	1.7	2.1	0.2	2.6	1.3	2.4
	LSD.01	3.3	NS	2.3	2.8	0.2	3.5	1.7	3.2
	#REPS	4	4	4	4	4	4	4	4

\*\* Plant vigor score: 1 to 10, where 1 equals the poorest vigor and a 10 equals excellent seedling vigor.

\*\* Head scab data: 1 to 10, where a 1 equates to less fusarium blight disease and 10 equals heavy pressure.

\*\* When reviewing the scab disease data, one must take into account the differences in variety maturity as this will influence the relative progression of the disease when the data was recorded.

\* Example; Coteau and Stoa are the latest varieties in trial and scores may reflect escape or disease not fully expressed.

Planting Date = May 5 ; Harvest Date = August 8 ; Previous Crop = Green Fallow

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