

2006 Hard Spring Wheat Variety Performance Trial at Center¹.

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Variety	Wheat Type ²	Grain Yield ³ bu/ac	Bushel Weight lbs/bu	Heading Date ⁴ (June)	Grain Moisture %	Plant Height inches	Grain Protein %
Plata	HWS ²	77.3	62.4	30.5	8.9	26.4	12.8
Lochsa	HWS	74.1	60.8	31.3	9.3	32.7	13.6
ID377S	HWS	74.1	62.5	31.3	9.8	32.1	12.7
Jerome	HRS	70.0	62.0	24.8	9.7	29.7	13.7
Oslo	HRS	67.2	60.6	26.3	9.6	29.4	13.4
IDO578	HWS	66.8	62.7	29.0	9.4	29.4	13.8
IDO593	HWS	65.1	60.9	25.3	9.5	28.2	14.2
Lolo	HWS	61.8	62.0	30.8	9.8	30.3	13.7
Pristine	HWS	59.5	62.5	23.0	9.8	29.4	14.9
Centennial	SWS	59.1	61.3	29.5	9.8	27.3	13.4
980127-06	HRS	52.7	62.2	32.0	10.2	28.8	14.9
Blanca Grande	HWS	49.1	59.7	22.8	10.1	24.0	15.5
Snowcrest	HWS	45.1	59.5	21.8	9.8	22.2	15.3
Average		63.2	61.5	27.5	9.6	28.5	14.0
LSD, .10		12.1	1.22	1.54	0.44	2.87	5.11
CV%		16.0	1.67	4.7	3.85	8.46	0.85

¹ San Luis Valley Research Center, Center, CO.

² Wheat Types: SWS is soft white spring; HRS is hard red spring; HWS is hard white spring, etc.

³ Grain yield based on 60 lbs/bushel and 12 % moisture.

⁴ Days after June 1.

Site Information:

Date Planted: April 24

Irrigation: center pivot

Herbicide: Bronate, 1 pt/acre

Nitrogen: 100 lb/ac + 30 lb/ac fertigation

Date Harvested: September 30

Seed Rate: 120 lbs/acre

Row Spacing: 8-inch

Plot Size: 6 ft. x 35'; 9 rows planted 8 inches apart

Comments:

Vegetative growth this year was poor starting from early tillering. Some kind of soil problem carried over from the same area in 2004. Plants were stunted and poorly tillered. Weed control also was poor. The result was poor yields, averaging only 63.2 bu/acre.

Wet, humid and cool conditions caused some Xanthomonas (bacterial) leaf blight; however, bushel weights were very good, averaging 61.5 lbs/bu.

Plant heights were very short, averaging only 28.5 inches. Heading dates were a little earlier than normal, especially considering the April 24 planting date. Grain moisture was very dry at harvest. Grain protein was high; averaging 14%. This probably is related to low yield.