Table 1. 2007 Soft White Spring Wheat Variety Performance Trial at Center[1].
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.....Results severely affected by presence of high populations of Cereal Cyst Nematode.....

Variety	Grain Yield[2]	Bushel Weight	Heading Date[3]	Grain Moisture	Grain Protein
	bu/ac	lbs/bu	(June)	%	%
IDO 599	140.8 a[4]	60.1	25.5	12.4	10.1
IDO 632	132.7 a	59.3	23.3	12.8	9.6
Alturas	124.0 ab	60.8	26.5	12.0	9.3
IDO 629 wxy	112.7 bc	60.2	29.3	11.5	10.3
IDO 630 wxy	102.7 cd	59.7	26.8	12.4	10.1
IDO 645	100.2 cd	59.1	25.8	12.4	9.7
Centennial	87.5 d	60.3	25.5	12.2	9.9
IDO 563	83.4 d	60.3	23.5	12.9	10.0
Trial Average	**110.5**	**59.9**	**25.8**	**12.3**	**9.9**
LSD, 10%	**10.9**	**0.61**	**1.28**	**0.61**	**0.60**
CV, %	**8.06**	**1.08**	**4.09**	**4.05**	**3.22**

[1] **San Luis Valley Research Center, Center, CO.**
[2] **Grain yield based on 60 lbs/bushel and 12 % moisture.**
[3] **Days after June 1.**
[4] **Tukey's Test: yields followed by the same letters are not statistically different.**

Site Information:
Date Planted: April 11
Irrigation: center pivot
Herbicide: Bronate, 1 pt/acre
Nitrogen: 110 lb/ac + 30 lb/ac fertigation
Previous Crop: Potatoes
Date Harvested: August 30
Seed Rate: 120 lbs/acre
Row Spacing: 8-inch
Plot Size: 6 ft. x 35'; 9 rows planted 8 inches

Comments:

Vegetative growth this year was poor starting from early tillering; plants were stunted and tillered poorly. Soil samples revealed high levels of Cereal Cyst Nematode (3661/250 g soil). This level of CCN would cause 70% yield loss in spring wheat in Oregon.

Field trial results likely reflects tolerance by certain cultivars, some varieties had excellent growth whereas right beside them other varieties showed poor growth. Centennial and IDO563 are related lines and seem to do poorly when CCN is present. IDO 599 and IDO 632 are related and did very well with CCN present. It seems that this data must be interpreted as results with CCN present.

Weed control was good. The result of this field trial was fair yields, averaging 111 bu/acre. This was a good trial statistically; finding yield differences between varieties; the LSD (10%) was 10.9 bu/ac.

Wet, humid and cool conditions caused some Xanthomonas (bacterial) leaf blight again this year. However, bushel weights were very good, averaging 59.9 lbs/bu.