

Soft white spring wheat variety performance trial at Center¹ in 2005.

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Variety	Grain Yield	Bushel Weight	Heading Date ²	Grain Moisture	Plant Height	Grain Protein
	bu/ac	lbs/bu	(June)	%	in.	%
IDO599	172.3	62.1	23.8	12.2	38.1	10.3
Alturas	171.3	62.6	28.0	11.7	36.9	9.5
IDO563	169.3	61.9	23.3	12.5	37.2	9.7
IDO630	155.9	61.1	29.3	11.4	36.0	10.1
Centennial	152.6	63.7	24.8	11.4	33.3	10.4
Trial Average	164.3	62.3	25.8	11.8	36.3	10.0
LSD _(0.10)	9.2	0.50	1.35	1.10	1.49	NS
CV%	4.45	0.63	4.2	2.2	3.3	4.0

¹San Luis Valley Research Center, Center, CO. Grain yield based on 60 lbs/bushel and 12 % moisture.

²Days after June 1.

Site Information:

Date Planted: April 13

Irrigation: center pivot

Herbicide: Express + MCP

Nitrogen: 75 lb/ac + 30 lb/ac fertigation

Date Harvested: September 7

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 excellent without the usual plant lodging. Weather in July was mostly dry producing little leaf disease compared to some wetter years. Relatively dry weather allowed good grain fill and high bushel weights and produced exceptionally high grain yields.

The trial averaged 164 bushels per acre and ranged from 153 to 172 bu/acre. The high yield group included IDO599, Alturas and IDO563. All varieties yielded more than Centennial this year. Some experimentals have a chance to be named and replace Centennial. Centennial has been the dominant soft white variety grown here for 15 years.

With more vigorous vegetative growth; however, some of these lines may show weaker straw and lodge more than Centennial. Lodging would reduce the harvested yield since these trials are harvested standing. Centennial is still the recommended soft white variety.