

2010 Irrigated Spring Wheat Variety Trial at Yellow Jacket, CO¹

Entry	Type	Grain yield ² (bu/ac)	Grain protein ³ (%)	Grain moisture (%)	Test weight (lb/bu)	50% Heading (date)	Plant Height (in.)
IDO669	Soft white	114.6	11.5	9.8	59.1	7/5	33.3
ID377S	Hard white	113.9	14.7	10.0	60.6	7/2	27.7
IDO686	Soft white	111.3	10.6	10.2	60.1	7/4	32.3
IDO644	Soft white	106.8	12.1	9.6	57.0	6/30	27.7
IDO665	Hard red	105.4	14.1	9.3	59.0	6/30	29.3
Sylvan	Hard red	105.2	11.4	10.4	60.9	7/8	32.0
IDO599	Soft white	104.7	11.7	10.2	58.5	6/30	26.7
Alturas	Soft white	103.1	10.4	9.7	58.3	7/6	29.3
IDO668	Soft white	102.7	12.5	9.8	58.1	7/2	28.0
IDO671	Soft white	102.7	12.0	10.0	57.7	7/4	29.3
IDO687	Soft white	100.6	11.3	9.8	59.3	7/5	31.0
Cataldo	Soft white	100.1	12.5	9.4	57.3	6/30	27.7
WA008106	Soft white	99.0	12.3	10.3	60.4	6/30	32.3
Kelse	Hard red	98.9	15.1	9.2	58.8	7/2	33.3
Jerome	Hard red	98.7	12.8	9.6	59.9	7/1	29.3
Lolo	Hard white	98.4	11.5	10.1	61.5	7/4	31.0
IDO667	Hard red	98.3	13.1	9.8	61.0	7/2	27.3
IDO702	Hard red	96.5	12.6	9.9	60.2	7/2	29.0
Kuntz	Hard red	93.6	13.7	9.3	59.2	7/2	30.0
SD4011	Hard red	93.1	13.2	9.2	59.2	6/30	31.3
UI Winchester	Hard red	89.6	14.1	9.5	59.6	7/1	26.7
01S0263-28	Hard red	86.9	14.5	9.3	59.8	7/2	26.3
SD4181	Hard red	80.9	14.7	9.6	60.2	6/28	36.0
Mean		100.2	12.7	9.7	59.4		29.9
CV (%)		9.7	7.4	3.0	0.7		4.8
LSD _{.05}		13.8	1.9	0.4	0.6		2.3

¹ The trial was conducted at CSU's Southwestern Colorado Research Center.

² Grain yield adjusted to 12% moisture and 60 lb/bu test weight

³ Protein at 12% moisture

Trial information:

Seeded on 4-May and harvested on 13-Sept.

Fertilizer: 83 lb N + 41 lb P₂O₅/acre on 1-Sept, 2009. 55 lb N + 36 lb P₂O₅/acre on 2-June, 2010

Herbicide: 1.0 pt/acre of 2,4-D Amine on 14-June

Irrigation with sideroll (8-9 hr./move, 6 GPM): 19-May, 1-Jun, 16-Jun, 29-Jun, 12-Jul, 21-Jul, and 12-Aug. (5 hr.)

Previous crop: Fallow

Comment: The trial benefitted from good soil water availability at seeding and above average precipitation in August. There was no noticeable disease or insect infestation. Lodging was negligible.