

## 2005 Irrigated Spring Wheat Variety Performance Trial at Yellow Jacket, CO<sup>1</sup>

Entry	Market Class	Grain Yield <sup>2</sup> bu/ac	Moisture %	Test Weight lb/bu	Grain Protein <sup>3</sup> %	Plant Height in	Heading Date <sup>4</sup> days
Alturas	Soft white	102.7	15.4	54.3	12.5	24	199
Sylvan	Hard red	101.3	14.4	57.4	11.2	28	202
ID377s	Hard white	94.2	14.8	57.2	12.7	25	191
Lolo	Hard white	89.7	15.1	56.1	13.3	27	192
Lochsa	Hard white	86.4	14.8	55.6	15.2	26	191
Plata	Hard white	85.0	15.3	57.0	12.6	23	199
Centennial	Soft white	82.7	14.7	55.6	12.6	24	192
IDO630	Waxy	79.8	15.2	54.6	12.4	27	199
WB881	Durum	69.7	15.3	55.4	12.2	24	199
Jerome	Hard red	68.6	15.3	56.2	15.0	22	187
Pristine	Hard white	68.3	15.6	56.0	15.9	22	187
Oslo	Hard red	66.3	15.4	55.0	14.4	22	187
IDO593	Hard red	65.6	15.4	56.8	13.8	23	187
Yecora Rojo	Hard red	64.9	15.0	56.5	15.4	15	187
Snow Crest	Hard white	62.6	13.3	56.2	16.5	20	187
Blanca Grande	Hard white	55.4	15.3	54.7	15.1	18	187
<b>Average</b>		<b>77.7</b>	<b>15.0</b>	<b>55.9</b>	<b>13.8</b>	<b>23</b>	
CV%		7.9					
LSD <sub>(0.05)</sub>		8.8					

<sup>1</sup>Trial conducted at the Southwestern Colorado Research Center; seeded 5/18/05 and harvested 11/3/05.

<sup>2</sup>Yield based on 60 lb/bu and 12% moisture.

<sup>3</sup>Protein based on 12% moisture.

<sup>4</sup>Number of days after January 1.

### Site Information:

Soil type: Wetherill silty clay loam  
 Previous crop: Dry beans; two-years ago: alfalfa  
 Seeding rate: 1,200,000 seeds/ac (8-inch row spacing)  
 Fertilizer: 100 lb N/ac broadcast preplant (April 22, 2005)  
 Herbicide: None  
 Insecticide: Lorsban 1 pt/ac (July 5, 2005)  
 Irrigation: 13.4 inches (5 sprinkler wheel-line passes)  
 Precipitation: January 1, 2005 thru August 31, 2005: 11.8 inches  
 (long-term average 9.7 inches)

### Comments:

The trial averaged 77.7 bu/ac with a test weight average of 55.9 lb/bu. Wet fall weather delayed harvest until early November. The soft white wheat entries Alturas and Centennial and the hard white wheat entries ID377s, Lolo, Lochsa, and Plata yielded above the trial average. Sylvan was the highest yielding hard red spring wheat. Test weights were low for all entries which indicate that an additional irrigation should have been scheduled in mid-August. None of the entries lodged. The trial was treated with Lorsban to control Russian wheat aphid (RWA).