

2006 Oat variety performance trial at Center¹.

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Variety	Grain Yield ²	Bushel Weight	Heading Date ³	Plant Height	Forage Yield
	bu/ac	lbs/bu	(June)	inches	t/acre
Powell	182.6	38.6	29.3	41.4	4.6
Maverick	177.1	40.4	29.0	41.4	4.3
Monida	170.0	38.9	28.3	47.7	4.7
Lamont (HL)	152.9	46.4	31.8	47.7	--
Monico	135.8	41.0	25.0	43.2	4.6
Rio Grande	130.0	38.2	22.8	39.6	4.5
Provena (HL)	126.4	48.0	31.0	41.7	--
Average	153.5	41.6	28.1	43.2	4.5
LSD, 10%	18.1	1.3	1.1	3.4	NS
CV %	9.6	2.5	3.2	6.4	8.0

¹Trial conducted at SLV Research Center, 0249 E Road 9North, Center, CO.

²Yield based on 38 lbs/bu and 12% moisture.

³Date 50% of the plants headed; days after June 1.

(HL) indicates hullless oat varieties

Site Information:

Date Planted: April 7

Date Harvested: August 30

Irrigation: center pivot

Seed Rate: 80 lbs/ac

Herbicide: Bronate @ 1.6 pt/ac*

Nitrogen: 50 lbs/acre preplant + 30 lb/ac sprinkler

* Plots were missed by this center pivot application.

Comments:

Probably because of less nitrogen application; there was no lodging this year. Less lodging may benefit taller varieties such as Monida which lodge more. The trial had some poor areas that seemed to affect more than just one variety. This reduced the precision of the trial, making the CV% and LSD higher.

Powell, Maverick and Monida were the high yield group this year. Monico yielded less than expected this year. Maverick produces an excellent grain yield with good lodging resistance; maybe it has very slightly lower hay yield.