

Table 1. Waxy, Hulless barley variety performance trial, SLV Research Center, Center, Colorado in 2001. By Merlin A. Dillon, Area Extension Agronomist. Yield based on 48 lbs/bu and 12% moisture.

Variety	Grain Yield	Bushel Weight	Grain Moisture	Heading Date**	Plant Lodging
	bu/ac	lbs/bu	%	(June)	%
YU 597-002 blue	132.6	46.5	11.5	23.8	0
YU 597-002 white	127.4	46.3	10.9	21.3	0
Moravian 14	112.3	51.9	11.4	15.3	0
BZ 598-095	105.4	52.2	9.6	21.0	18
Azhul	104.4	47.8	10.3	16.8	5
YU 599-006	103.3	45.8	9.9	26.3	0
YU 599-012	97.7	51.4	11.4	26.3	0
SB 94917	71.4	56.3	10.6	25.3	63
SR 93139	66.0	43.3	9.2	27.8	74
SH 99707	58.5	54.9	10.2	24.8	75
Average	97.9	49.6	10.5	22.8	23.4
LSD, .05	30.8	4.4	1.0	1.5	24.6

** Days after June 1.

Field Notes:

Planted April 10; wetted April 16; harvested with Hege combine August 16; planted 100 #/acre. Soil is Norte gravelly sandy loam; center pivot irrigated as needed.

Plot size was 5.3 ft x 40 ft; harvest was 4 ft x 35 ft except tall lines (BZ598-095, SR93139, SB94917, and SH 99707) the entire plot width was harvested.

Remarks: Rep I and Rep II were harvested and weighed, but the data is misplaced for now. Heading date and plant lodging data are from field notes and all four reps are used. Variety means are highly significant, even though only two reps are used.

The yield is fairly low for this location. Moravian 14, the commonly grown Coors variety usually makes 15-20 bu/acre more. Still, the relative yields show two lines making more than Moravian 14 and 3 or 4 other lines are close enough that they might yield as well as Moravian 14 in another trial.

Bushel weights differ greatly; some hulless lines test very high for barley.

Most lines are later to mature than Moravian 14.

Lodging was severe for the 3 lowest yielding lines; they are not suited for our high yield conditions.