

**Barley Silage RVTs - Westlock 2023**

Variety	Yield (% of CDC Austenson)	Crude Protein (%DM)	Acid Detergent Fibre (%DM)	Neutral Detergent Fibre (%DM)	Total Digestible Nutrients (%DM)	Starch (%DM)	Water Soluble Carbohydrates (%DM)	True Invitro Digestibility - 30 hrs (%DM)	Calcium (%DM)	Phosphorous (%DM)	Potassium (%DM)	Magnesium (%DM)
AB HAGUE	118% a	12.2 abc	37.6 a	55.86 a	58.5 a	12.3 cd	4.5 a	64.8 a	0.61 a	0.29 cde	2.59 defg	0.23 a
AB MAXIMIZER	118% a	12.3 ab	38.2 a	58.76 a	57.8 a	9.6 de	4.8 a	64.6 a	0.59 a	0.29 abcd	2.51 fgh	0.22 a
CDC DURANGO	116% a	11.9 abc	35.7 a	52.05 a	60.5 a	16.0 ab	4.7 a	68.0 a	0.59 a	0.29 bcde	2.56 defgh	0.24 a
KWS KELLIE	113% a	11.7 bcd	35.7 a	50.45 a	60.5 a	16.7 ab	5.3 a	68.5 a	0.59 a	0.29 cde	2.62 cdefg	0.24 a
AB PRIME	113% a	12.2 abc	36.1 a	52.37 a	60.0 a	15.4 ab	3.8 a	66.9 a	0.59 a	0.30 abc	2.83 abc	0.24 a
CDC CHURCHILL	112% a	10.6 d	34.8 a	47.37 a	61.4 a	20.1 a	5.7 a	68.4 a	0.59 a	0.27 e	2.33 h	0.26 a
BIGHORN	112% a	11.5 bcd	35.4 a	50.59 a	60.9 a	18.4 ab	4.5 a	69.4 a	0.55 a	0.30 abc	2.73 bcdef	0.25 a
CDC RENEGADE	109% a	12.9 a	36.5 a	54.09 a	59.7 a	12.6 cd	4.0 a	67.0 a	0.60 a	0.30 abc	2.76 bcde	0.24 a
AAC LARIAT	109% a	11.2 cd	36.4 a	52.68 a	59.7 a	16.6 ab	4.1 a	65.4 a	0.59 a	0.28 cde	2.55 efgh	0.25 a
ESMA	104% a	11.9 abc	35.0 a	49.25 a	61.3 a	18.1 ab	4.7 a	68.3 a	0.62 a	0.29 cde	2.49 fgh	0.26 a
CDC FRASER	104% a	11.2 cd	38.2 a	56.41 a	57.8 a	14.6 bc	3.6 a	63.3 a	0.58 a	0.28 de	2.51 fgh	0.23 a
CDC AUSTENSON	100% a	11.2 cd	34.7 a	48.59 a	61.6 a	19.4 ab	5.1 a	68.5 a	0.58 a	0.28 cde	2.42 gh	0.25 a
AB STANDSWELL	98% a	12.2 abc	35.9 a	51.79 a	60.3 a	16.4 ab	3.8 a	66.6 a	0.58 a	0.31 ab	2.87 ab	0.25 a
CANTU	95% a	12.1 abc	35.3 a	50.63 a	61.0 a	16.8 ab	4.8 a	70.0 a	0.55 a	0.30 abcd	2.80 abcd	0.24 a
STOCKFORD	90% a	12.4 ab	37.8 a	56.46 a	58.3 a	9.5 e	4.0 a	66.5 a	0.61 a	0.31 a	3.03 a	0.24 a
Average	22567 g/plot	11.8 %DM	36.2 %DM	52.5 %DM	59.9 %DM	15.5 %DM	4.5 %DM	67.1 %DM	0.59 %DM	0.29 %DM	2.64 %DM	0.24 %DM
ANOVA p-value	0.0717 NS	0.0153 *	0.3158 NS	0.1282 NS	0.3152 NS	0.0021 ***	0.3753 NS	0.3177 NS	0.3294 NS	0.0144 *	0.0001 ***	0.2948 NS
CV%	10.01%	5.58%	5.22%	8.38%	3.37%	19.16%	21.84%	4.48%	5.11%	3.77%	5.47%	6.00%

**Single site years of data are often an unreliable indicator of variety performance.**

For publication in the Alberta Seed Guide, at least six site years over two growing seasons are required prior to reporting yield data.

Please reference the January 2024 - Alberta Seed Guide for multi-site year data.

Values followed by different letters (i.e., a,b,c) are statistically different.

Values followed by the same letter are NOT statistically different (i.e., a = ab, or abc = bc).

ANOVA p-value indicates statistical significance. If the p-value is less than 0.05, then there are significant differences in the described trait.

i.e., ANOVA p-value of <0.0001 for yield means that at least one variety has a statistically different yield.

i.e., ANOVA p-value of > 0.05 means there are no statistical differences in the trait between any of the varieties.

**Remarks:** Yield is adjusted to 65% moisture. *Barley silage trials are harvested when 75% of the barley varieties are at soft dough, BBCH 85. Nutritional data is presented on a dry matter basis (%DM), and was tested on forage intended for silage, not ensiled samples.*