

Wheat Silage RVTs - Westlock 2023

Species	Variety	Yield (% of Sadash)	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	Calcium (%DM)	Phosphorous (%DM)	Potassium (%DM)	Magnesium (%DM)
SWS Wheat	AC SADASH	100% a	10.9 a	37.6 a	56.2 a	58.5 a	12.9 a	7.4 b	66.8 a	0.53 bc	0.270 a	2.14 a	0.21 a
Triticale	AB STAMPEDE	98% a	11.8 a	35.9 a	54.0 a	60.3 a	11.0 a	10.7 a	70.2 a	0.64 a	0.257 c	1.89 c	0.22 a
SWS Wheat	AAC PARAMOUNT	97% a	10.9 a	37.4 a	57.0 a	58.7 a	12.2 a	7.9 b	66.8 a	0.55 bc	0.260 bc	1.97 bc	0.21 a
Class TBA	ALOTTA (GP250)	95% a	11.6 a	37.0 a	55.5 a	59.1 a	11.5 a	10.2 a	68.4 a	0.58 b	0.260 bc	1.90 bc	0.21 a
SP Wheat	KWS ALDERON	85% a	11.2 a	37.5 a	57.9 a	58.6 a	10.3 a	9.4 ab	67.8 a	0.52 c	0.267 ab	2.09 ab	0.20 a
Average		15091 g/plot	11.2 %DM	37.1 %DM	56.1 %DM	59.0 %DM	12.0 %DM	8.9 %DM	67.7 %DM	0.56 %DM	0.26 %DM	2.02 %DM	0.21 %DM
ANOVA p-value		0.0976 NS	0.2680 NS	0.9325 NS	0.9189 NS	0.9323 NS	0.7173 NS	0.0315 *	0.7130 NS	0.0072 **	0.0327 *	0.0320 *	0.8159 NS
CV%		6.04%	5.36%	5.92%	7.91%	3.98%	24.27%	13.84%	4.64%	5.50%	1.92%	5.00%	9.72%

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. *Wheat-triticale silage trials are harvested when 75% of the wheat varieties are at early to soft dough, BBCH 83-85, and the triticale varieties are at late milk, BBCH 77. Nutritional data is presented on a dry matter basis (%DM), and was tested on forage intended for silage, not ensiled samples.*