

CORN SILAGE 2021 - KELOWNA

Comments:

The silage corn varietal screening trial was tested by ICMS

The data presented is for one year only. Use with caution.

A target plant population of 79,700 seeds/ha (32,260 seeds/acre) was used.

Planting Date: May 27, 2021

Harvest Date: October 15, 2021

Yields are corrected to 65% moisture content (mc).

Variety	CHU ¹	Trait	Seed Brand	Lodging ² (%)	Moisture ³ (%)	65% mc Yield (Tons/acre)	% Dry Matter						NE Lactation (Mcal/lb)	Milk Per Ton ⁴ (lb/Ton)	Lbs of Milk Per Acre	Lbs of Beef Per Acre ⁵	
							Crude Protein (%)	ADF (%)	NDF (%)	TDN (%)	30hr NDFD (%)	Lignin (%)					Starch (%)
HZ 3050	2600-2725	Agrisure Duracade/5122 E-Z Refuge	Horizon Seeds	0.0	63.9	28.0	7.3	25.9	42.6	67.6	21.8	3.29	30.5	0.70	2933	31007	2382
HZ 878	2650-2750	Agrisure Viptera/3220 E-Z Refuge	Horizon Seeds	0.0	65.1	26.8	6.6	32.6	50.3	61.4	22.0	4.38	22.2	0.63	2294	21535	1921
MAXX GT	2550	Agrisure GT	Greenfield Genetics	0.0	59.4	26.6	5.6	41.7	62.7	54.1	18.9	5.79	12.8	0.55	1266	13336	1900
HZ 3247	2650-2750	Agrisure Duracade/5222 E-Z Refuge	Horizon Seeds	0.0	65.5	26.6	6.0	30.4	47.8	64.2	20.8	4.18	25.8	0.66	2525	23563	1997
Dalton	2750	Agrisure 3010/Agrisure Duracade/5222 E-Z Refuge	Greenfield Genetics	0.0	62.7	26.5	5.7	43.1	64.8	53.8	19.3	6.05	9.1	0.54	1219	9212	1355
HZ 2536	2450-2550	Agrisure Duracade/5222 E-Z Refuge	Horizon Seeds	0.0	60.8	26.0	6.3	28.7	46.9	66.3	24.1	3.38	26.3	0.68	2625	26656	2244
HZ 2220	2300-2425	Agrisure 3010	Horizon Seeds	0.0	59.8	25.4	5.9	35.5	55.6	60.0	24.2	4.70	15.8	0.61	2008	15327	1527
HZ 1710	2250-2350	Agrisure 3010	Horizon Seeds	0.0	64.4	25.2	7.2	32.8	52.2	60.4	23.8	4.28	21.2	0.62	2147	16018	1502
			LSD	0.0	5.1	4.3											
			CV	0.0	5.4	11.0											
			Site Average	0.0	63.5	26.2											
			Sign Diff	No	No	No											

1. Each company assigns a corn heat unit (CHU) rating to each of their varieties. The CHU rating is a measure of relative maturity and is one criteria for choosing a variety suitable for your growing region.

2. Percent of plants were lodged at harvest.

3. Moisture content at harvest.

4. Milk pe acre was calculated using MILK2006, a model developed by the University of Wisconsin Extension Service.

5. Beef per acre was calculated on the assumption that one pound of beef is produced for every six pounds of TDN.