

TRIAL SUMMARY

Crop Type: Corn Silage

Year: 2020

Location: Scott Perkin, Elgin, MB

CANTERRA SEEDS Contact: Katharyn Houston

Planting Date: May, 2020

Harvest Date: September 21, 2020

Trial Type: 1/1000th

Row Width: 30 inches

PRIDE Seed Contact: Alana Serhan



COMPANY	VARIETY	CHU	RM	Moisture %	DM %	TONS/AC AT 65%	TONS/AC ACTUAL	Protein %	ADF %	NDF %	STARCH %	TDN %	NE/l	NE/g	MILK LB/AC	MILK RANK	BEEF LB/AC	BEEF RANK
PRIDE	XP20071RR	2000	71	47.4	52.6	19.99	13.30	6.7	23.7	41.9	34.4	63	1.51	0.79	20253	6	1469	6
PRIDE	A3993G2 RIB	2025	72	56.7	43.3	18.50	14.95	7.4	30.4	52.7	22.6	60	1.32	0.66	17931	13	1295	15
Horizon	HZ1265	2150	72	47.6	52.4	10.18	6.80	6.9	27.0	50.2	30.7	62	1.42	0.74	10287	25	736	24
Northstar	XP73	XXX	73	51.0	49.0	15.40	11.00	4.9	34.1	57.6	21.9	59	1.24	0.60	13728	24	1060	23
Horizon	HZ1451	2200	74	57.7	42.3	20.91	17.30	7.0	30.1	51.6	25.5	61	1.37	0.70	20058	7	1488	5
PRIDE	A4514RR	2275	78	55.9	44.1	22.05	17.50	7.8	29.0	51.2	24.5	61	1.37	0.70	22126	4	1569	4
Northstar	178	2175	75	52.9	47.1	19.58	14.55	7.6	33.4	56.7	17.4	58	1.23	0.59	17510	14	1325	14
Horizon	HZ1685	2250	76	62.7	37.3	20.04	18.80	6.8	32.0	54.3	20.8	59	1.28	0.62	18681	9	1379	10
Pioneer	P7527	2150	75	59.0	51.0	18.45	15.75	7.4	26.7	46.3	29.2	63	1.46	0.76	18488	10	1356	11
PRIDE	A4646G2 RIB	2300	79	58.5	41.5	15.24	12.85	7.6	28.5	49.3	26.4	61	1.38	0.69	14889	23	1084	22
Horizon	HZ675	2350	78	60.3	39.7	23.37	20.60	7.0	27.2	48.7	28.6	62	1.41	0.73	23725	1	1690	1
Northstar	191	2325	80	56.0	44.0	19.80	15.75	6.6	31.4	53.3	24.0	60	1.31	0.64	17471	15	1386	9
Horizon	HZ1912	2375	79	59.2	40.8	20.28	17.40	6.8	34.2	55.1	18.4	56	1.20	0.52	16307	19	1325	13

COMPANY	VARIETY	CHU	RM	Moisture %	DM %	TONS/AC AT 65%	TONS/AC ACTUAL	Protein %	ADF %	NDF %	STARCH %	TDN %	NE/l	NE/g	MILK LB/AC	MILK RANK	BEEF LB/AC	BEEF RANK
Horizon	HZ EXP	XXX	XX	66.1	33.9	20.58	21.25	6.5	30.3	53.0	25.1	60	1.32	0.65	19753	8	1441	7
PRIDE	A4705HMRR	2300	78	68.4	31.6	19.86	22.00	7.5	32.6	56.0	22.1	58	1.25	0.60	17144	16	1344	12
Northstar	913S	2150	75	60.7	39.3	17.40	15.50	6.2	35.4	60.9	18.2	57	1.15	0.54	15539	22	1157	20
Horizon	HZ797GT	2700	90	67.1	32.9	18.75	19.95	6.8	32.6	56.4	22.1	58	1.25	0.60	16481	18	1269	16
Horizon	HZ2220	2375	79	52.7	47.3	20.81	15.40	6.0	32.4	55.4	20.9	58	1.24	0.58	18211	12	1408	8
PRIDE	AS1047RR EDF	2425	81	58.5	41.5	16.30	13.75	6.4	29.1	49.7	22.9	58	1.32	0.62	15863	21	1103	21
PRIDE	AS1027RR EDF	2400	80	49.4	50.6	23.13	16.00	6.3	28.7	50.2	27.1	61	1.37	0.69	23203	3	1646	2
Pioneer	P7958	2300	79	48.3	51.7	17.21	11.65	6.3	28.0	49.3	30.6	61	1.39	0.69	16226	20	1225	19
PRIDE	A4939G2 RIB	2400	81	53.5	46.5	16.54	12.45	6.4	22.6	42.9	33.8	64	1.52	0.80	18213	11	1235	18
PRIDE	A5432G2 RIB	2650	86	62.6	37.4	18.91	17.70	6.1	31.7	54.4	18.6	57	1.24	0.57	16761	17	1258	17
PRIDE	AS1047RR EDF	2425	81	56.3	43.7	21.97	17.60	7.9	29.7	50.8	24.2	62	1.40	0.74	23312	2	1590	3

Nutrient	Target Value	Definitions	Reasoning
Dry Matter (DM)	30-40%	The percentage of forage that is not water	Excessive moisture content can cause spoilage and decrease silage quality. Too dry is usually associated with reduced digestibility and energy content.
Crude Protein (CP)	7-9%	Total amount of nitrogen (N) in a forage.	High protein is desirable. Low protein may be caused by under fertilization, nitrogen competition, or improper harvesting and/or storage.
Acid Detergent Fiber (ADF)	20-33%	Percent of highly indigestible material in a forage. Comprised of cellulose, lignin, cutin, silica, pectin, and unavailable protein.	High ADF content is an issue for the same reasons as high NDF content. ADF is negatively correlated to digestibility and energy
Neutral Detergent Fiber (NDF)	35-55%	Partially available to animals. Percent of cell wall material in a forage; cellulose, hemicelluloses, Lignin, cutin, and unavailable protein.	NDF values will generally increase with low grain silage, stress, or immaturity. NDF is an inverse predictor of intake. (higher NDF equals lower intake and visa versa)
Starch	>28%	Form of carbohydrates stored in plants. It is the specific polysaccharide of many glucose subunits.	Usually higher content is better. If starch levels are <28% this usually indicates the silage was cut early or the crop was stressed.
Total Digestible Nutrients (TDN)	67-74%	Sum of all digestible organic nutrients that are available to the animal, as a % or DM.	Could be used to express the energy value of the corn silage.
Net Energy for Lactation (NEl)	>0.64% Mcal/lb	An estimate of the energy value of a feed used for milk production	Mega calories of energy for lactation. Higher values usually indicate a better-quality corn silage.
Net Energy for Gain (NEg)	0.4-0.5 Mcal/lb	An estimate of the energy for weight gain. Energy above maintenance.	Mega calories of energy for gain.