

TRIAL SUMMARY

Crop Type: Corn Silage

Year: 2021

Location: Kasko Cattle Co., Purple Springs, AB

CANTERRA SEEDS Contact: Brennan Fazakas

Planting Date: May 17, 2021

Harvest Date: Sept 24, 2021

Trial Type: Field Scale - Irrigated

Row Width: 15 inches

PRIDE Seed Contact: Sara Meidlinger



COMPANY	VARIETY	CHU	RM	Moisture %	DM %	Protein %	ADF %	NDF %	STARCH %	TDN %	NE/g	NE/l	TONS/AC ACTUAL	TONS/AC AT 65%	DRY Yield RANK	MILK LB/AC	MILK RANK	BEEF LB/AC	BEEF RANK
Maizex	LF9066SMX RIB	2600	87	75.9	24.1	8.3	31.4	55	14.3	57	0.58	1.23	30.25	20.86	13	20,029	18	1387	18
Maizex	VENZA R	2600	88	75.1	24.9	7.9	29.9	51.7	18	57	0.59	1.27	29.32	20.88	12	20,483	15	1388	17
Maizex	MZ2699DBR RIB	2450	83	71.3	28.7	8.3	24.6	43.4	27.4	62	0.76	1.47	26.19	21.45	8	23,155	8	1552	9
Greenfield	VERNON	2275	80	64.2	35.8	7.4	24.4	44.1	28.3	62	0.75	1.46	21.33	21.82	6	22,723	11	1578	8
Maizex	MS8022R	2250	75	66.5	33.5	7.1	22.7	41.5	34.8	63	0.80	1.53	27.63	26.44	1	28,905	1	1943	1
Maizex	E52V97R	2450	82	67.0	33.0	8.4	23.3	42.7	29.1	63	0.79	1.50	22.35	21.04	11	22,787	10	1547	10
Maizex	MS7420R	2200	74	63.5	36.5	8	25.2	45.6	28.9	64	0.83	1.51	19.23	20.04	16	21,657	12	1497	13
Maizex	MZ1200DBR	2050	72	60.9	39.1	7.6	23.4	44.1	30.6	64	0.82	1.52	16.70	18.67	21	20,286	16	1394	15
Croplan	CP2315VT2P RIB	2500	83	67.2	32.8	8.1	23	41.6	30.5	63	0.80	1.52	23.07	21.64	7	24,314	5	1591	7
Croplan	CP2288VT2P RIB	2450	82	65.1	34.9	8.1	22.3	40.8	33.3	65	0.87	1.58	21.29	21.21	10	25,263	2	1608	6
Croplan	CP2180VT2P RIB	2375	81	66.1	33.9	7.5	27.5	48.3	26.6	62	0.74	1.43	24.15	23.36	3	23,976	6	1689	2
PRIDE Seeds	A4646G2 RIB	2300	79	64.8	35.2	7.2	21.4	39.7	34.9	64	0.83	1.56	20.25	20.39	15	22,899	9	1523	11
PRIDE Seeds	AS1027RR EDF	2425	80	66.3	33.7	6.4	27.1	46.3	29.7	61	0.71	1.42	22.08	21.28	9	20,827	14	1514	12

COMPANY	VARIETY	CHU	RM	Moisture %	DM %	Protein %	ADF %	NDF %	STARCH %	TDN %	NE/g	NE/l	TONS/AC ACTUAL	TONS/AC AT 65%	DRY Yield RANK	MILK LB/AC	MILK RANK	BEEF LB/AC	BEEF RANK
PRIDE Seeds	XP3229RR EDF	XP	XP	71.2	28.8	7.2	30	51.2	17.1	55	0.53	1.23	23.77	19.57	17	18,250	21	1255	21
NK	NK8618EZ1	2650	86	71.7	28.3	8	29	51	20.9	60	0.66	1.33	23.16	18.76	20	19,116	20	1313	20
NK	NK8005EZ1	2400	80	66.2	33.8	6.9	28.1	49.5	25	61	0.69	1.38	23.92	23.08	4	23,591	7	1643	5
Pioneer	P7861AM	2250	78	68.7	31.3	7.7	27.7	49.1	24.4	62	0.73	1.40	21.47	19.20	18	20,249	17	1389	16
Dekalb	DKC34-57RIB	2575	84	67.4	32.6	7.3	22.9	39.6	31.6	61	0.73	1.48	25.39	23.65	2	24,399	4	1683	3
Dekalb	EXP80-21	EXP	EXP	70.3	29.7	8.6	27.8	49.2	22.1	60	0.69	1.37	19.49	16.52	22	16,777	22	1157	22
Dekalb	DKC29-89RIB	2275	79	69.2	30.8	8.2	27.8	47.6	25.2	61	0.72	1.41	21.41	18.84	19	19,749	19	1341	19
Dekalb	DKC31-85RIB	2425	81	68.3	31.7	7.7	26.8	47.6	25.4	61	0.73	1.41	22.62	20.51	14	21,509	13	1459	14
Dekalb	DKC33-37RIB	2500	83	66.4	33.6	7.5	23.5	40.6	35.5	63	0.79	1.52	23.76	22.83	5	24,763	3	1678	4

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.



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PRIDE SEEDS

Field Yield Information (FYI)

DEMONSTRATION TRIAL RESULTS TO DATE