CANTERRA SEEDS
Seed the Difference.™

PRIDE SEEDS

Field Yield Information (FYI)

DEMONSTRATION TRIAL RESULTS TO DATE

TRIAL SUMMARY

Crop Type: Corn Silage

Year: 2020

Location: Slingerland Feeders Ltd, Coaldale, AB

CANTERRA SEEDS Contact: Page Newton

Planting Date: May 5, 2020

Harvest Date: September 24, 2020

Trial Type: Field Scale

Row Width: 22 inches

PRIDE Seed Contact: Sara Meidlinger

TRIED & TRUE INDEPENDENT TRIAL

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
Pickseed	PS2320RR	2200	76	69.62	30.38	20.72	23.88	7.9	24.9	44.6	26.2	63	1.49	0.79	21841	14	1523	11
PRIDE	**AS1017RR**	**2200**	**73**	**66.27**	**33.73**	**20.60**	**21.37**	**7.9**	**22.1**	**38.7**	**31.2**	**65**	**1.59**	**0.88**	**23600**	**7**	**1562**	**8**
PRIDE	**A4705HMRR**	**2300**	**75**	**69.85**	**30.15**	**20.47**	**23.76**	**7.9**	**23.4**	**41.5**	**27.8**	**62**	**1.49**	**0.77**	**21889**	**13**	**1481**	**13**
Dekalb	DKC29-89	2275	79	68.01	31.99	20.56	22.49	8.0	23.1	41.9	29.7	64	1.53	0.83	23020	8	1535	10
Pioneer	P7211AM	2050	72	62.97	37.03	20.05	18.96	7.3	24.5	44.5	29.6	63	1.49	0.79	21780	16	1474	14
Pioneer	P7417AM	2100	74	68.27	31.73	19.01	20.97	8.4	24.3	44.4	28.7	64	1.51	0.81	21135	17	1419	17
Pioneer	P7527AM	2150	75	67.96	32.04	19.72	21.54	7.3	22.1	41.7	32.2	63	1.53	0.81	21815	15	1449	15
Pioneer	P7861AM	2200	78	68.04	31.96	21.63	23.69	7.4	21.5	40.1	32.1	64	1.54	0.82	23860	6	1615	5
Pioneer	7958AM	2300	79	65.99	34.01	23.75	24.44	7.8	22.6	39.6	33.5	65	1.58	0.87	27203	2	1801	2
Maizex	MS 7420R	2300	77	65.03	34.97	22.01	22.03	7.0	25.0	45.4	28.4	64	1.49	0.81	24194	5	1644	4
Maizex	MS7733DBR	2500	84	67.89	32.11	21.09	22.99	7.8	23.6	43.2	28.2	64	1.53	0.83	22979	9	1575	7
Proven	PV60172	2050	73	60.9	39.1	19.33	17.30	8.0	18.7	36.5	39.1	66	1.64	0.91	22841	10	1488	12
Proven	PV61177	2200	77	67.27	32.73	24.28	25.97	7.1	22.5	43.2	28.1	64	1.52	0.82	27230	1	1813	1

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Proven	PV60075	2125	75	64.2	35.8	19.33	18.90	8.2	23.5	42.9	28.4	64	1.52	0.82	21941	12	1443	16
Proven	PV61079	2275	79	65.19	34.81	20.93	21.04	8.5	21.1	39.3	32.2	65	1.58	0.86	24417	4	1587	6
GFG	Vernon 3010	2225	80	68.75	31.25	21.35	23.91	7.4	24.5	44.6	26.1	62	1.45	0.75	22513	11	1544	9
GFG	Rustler GT	2050	71	X	X	X	21.98	X	X	X	X	X	X	X	X	X	X	X
Dekalb	DKC31-85	2425	81	65.35	34.65	22.35	22.57	8.0	21.6	38.2	33.1	65	1.58	0.86	25702	3	1695	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.