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: Ken Rabusic, Taber, AB

CANTERRA SEEDS Contact: Page Newton

Planting Date: May 7, 2020

Harvest Date: October 7, 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
Pioneer	P8581AM	2500	85	59.12	40.88	22.28	19.08	6.6	27.6	47.5	28.6	63	1.46	0.77	22809	12	1638	12
PRIDE	**AS1017RR EDF**	**2150**	**74**	**53.72**	**46.28**	**25.15**	**19.02**	**6.4**	**27**	**46.5**	**28.4**	**64**	**1.49**	**0.81**	**26790**	**5**	**1878**	**5**
PRIDE	**A4705MHRR**	**2300**	**78**	**57.22**	**42.78**	**25.32**	**20.72**	**7.1**	**22.6**	**39.8**	**33.8**	**66**	**1.61**	**0.90**	**29006**	**2**	**1950**	**3**
PRIDE	**AS1027RR EDF**	**2350**	**83**	**48.34**	**51.66**	**25.80**	**17.48**	**6.3**	**22.6**	**40**	**36.2**	**66**	**1.6**	**0.88**	**29065**	**1**	**1986**	**2**
PRIDE	**AS1047RR EDF**	**2425**	**85**	**60.61**	**39.39**	**24.80**	**22.03**	**6.5**	**27.9**	**47.5**	**26.0**	**62**	**1.43**	**0.74**	**25500**	**8**	**1794**	**8**
Dekalb	DKC29-89RIB	2275	79	51.05	48.95	22.78	16.29	7.3	19.2	36.0	39.0	66	1.63	0.89	24674	9	1754	10
Dekalb	DKC33-37RIB	2500	83	56.04	43.96	24.40	19.43	6.9	23.7	42.2	32.6	65	1.56	0.86	27490	4	1850	6
Dekalb	DKC34-57RIB	2575	84	51.80	48.20	25.36	18.42	6.6	24.5	43.8	32.7	64	1.51	0.81	26239	7	1894	4
Pioneer	P8407AM	2450	84	51.80	48.20	24.57	17.84	7.0	23.4	42.6	32.8	64	1.54	0.83	26629	6	1835	7
Pioneer	P8700AM	2600	87	46.51	53.49	23.62	15.46	6.3	21.5	40.2	36.5	64	1.55	0.82	24547	10	1764	9
Pioneer	P8736AM	2550	87	52.29	47.71	22.25	16.32	7.1	19.4	36.5	38.6	65	1.61	0.86	24154	11	1687	11
Pioneer	P8986AM	2625	89	52.91	47.09	25.80	19.18	6.7	18.4	35.2	40.2	66	1.64	0.90	28628	3	1987	1

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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.