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: Eaglebrook Farms, Sarto, MB
CANTERRA SEEDS Contact: Jackie Dudgeon

Planting Date: May 22, 2020
Harvest Date: September 23, 2020
Trial Type: Field Scale
Row Width: 22 inches
PRIDE Seed Contact: Alana Serhan

TRIED & TRUE INDEPENDENT TRIAL

COMPANY	VARIETY	CHU	RM	Moisture %	DM %	TONS/AC AT 65%	TONS/AC ACTUAL	Protein %	ADF %	NDF %	STARCH %	TDN %	NE/I	MILK LB/AC	MILK RANK	BEEF LB/AC	BEEF RANK
PICKSEED	PS EXPAND LF RR	2725	90	66.9	33.1	20.54	21.72	7.2	26.6	44.6	29.7	74.1	1.56	23613	11	1776	12
HORIZON	HZ 797GT	2700	90	65.6	34.4	24.08	24.50	6.5	26.4	42.7	32.4	75.3	1.56	28245	3	2115	4
PRIDE	**AS10978 G8 EDF**	**2825**	**95**	**71.7**	**28.3**	**19.03**	**23.53**	**7.7**	**29.4**	**46.4**	**24.7**	**76.2**	**1.5**	**19807**	**18**	**1692**	**15**
PRIDE	**A6018G2 RIB**	**2800**	**92**	**64.4**	**35.6**	**24.51**	**24.10**	**7.1**	**23.9**	**41.0**	**33.7**	**76.1**	**1.61**	**29316**	**2**	**2176**	**3**
DeKalb	DKC35-37 RIB	2575	85	60.5	39.5	21.96	19.46	6.5	25.5	40.6	34.2	76.2	1.58	25075	6	1952	5
HORIZON	HZ 2220	2375	79	61.2	38.8	25.09	22.63	8.3	25.3	43.1	29.0	74.7	1.58	27911	4	2186	2
MAIZEX	Experimental	XX	XX	63.6	36.4	21.18	20.37	6.1	25.4	39.7	35.3	76.6	1.58	24886	9	1893	10
MAIZEX	VenzaR	2600	88	54.4	45.6	29.78	22.85	8.5	24.3	41.0	31.2	75.6	1.6	32026	1	2626	1
NORTHSTAR	EXPERIMENT	XX	XX	64.8	35.2	22.64	22.52	10.9	27.6	45.5	21.2	71.8	1.54	23063	12	1897	9
PIONEER	P8736AM	2550	86	62.8	37.2	20.20	19.01	7.7	27.7	45.4	27.2	73.2	1.54	21941	14	1725	13
PIONEER	P9789AMXT	26-2900	95	63.2	36.8	19.45	18.50	8.6	24.7	43.0	27.9	74.5	1.59	21498	16	1691	16
PIONEER	P9301AM	2750	93	64.1	35.9	21.64	21.10	7.4	23.6	41.5	33.2	76.0	1.61	25847	5	1919	7
PIONEER	P9301Q	2750	93	62.7	37.3	20.62	19.35	7.2	24.1	42.1	32.1	75.5	1.6	23786	10	1816	11

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PIONEER	P9233Q	2750	92	64.1	35.9	21.30	20.76	7.6	22.6	40.3	32.8	76.4	1.63	25044	7	1898	8
PIONEER	P9377AMXT	26-2800	93	64	36	19.38	18.84	7.2	26.6	44.8	29.1	73.8	1.56	21810	15	1668	17
PIONEER	P9330AM	2750	92	60.2	39.8	22.44	19.73	7.4	25.4	43.9	29.4	74.3	1.58	24971	8	1945	6
PIONEER	P9188AM	2650	91	63.1	36.9	17.91	16.99	7.5	24.0	41.5	31.8	75.8	1.61	20250	17	1584	18
PIONEER	P8989AMXT	2625	89	63.5	36.5	19.28	18.49	7.5	24.0	42.0	31.0	75.4	1.61	21981	13	1696	14

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.