

ST.PIERRE - SILAGE CORN - 2009 RESULTS

Comments:

All hybrids were evaluated at a plant population of 28,000 plants per acre. Plots are seeded at a higher rate and thinned to achieve the target population.

The data presented is for one year only. Use with caution.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis in their brochure. The brochure is available at the Manitoba Corn Growers Association office (204-745-6661) and at local Manitob.

Planted: May 30, 2009

Harvested: October 20, 2009

CHU 1	Hybrid	Traits 2	Distributor	65% MC Yield (Mt/ac)	Moisture 3 (%)	DM Yield (Mt/ac)	Dry Matter 4					Milk/Acre 5 (lbs/ac)	Beef/Acre 6 (lbs/ac)			
							Crude Protein (%)	TDN (%)	ADF (%)	NDF (%)	NE/Gain (Mcal/kg)			NE/Lact (Mcal/kg)		
2125	A4176BTRR	BT, RR2	PRIDE Seeds	14.1	60.2	4.9	8.9	60.9	34.5	58.2	0.76	1.37	13,687	1178		
2150	2240 RR	RR2	Pickseed Canada Inc.	14.7	61.1	5.1	9.0	59.3	37.7	63.2	0.71	1.33	14,534	1197		
2150	P7535HR	HX1, RR2	Pioneer Hi-Bred	14.1	60.3	4.9	9.1	62.7	31.0	54.9	0.81	1.42	14,510	1218		
2150	LR 9875 RR	RR	Quarry Grain	16.1	62.4	5.6	8.7	61.7	33.0	58.2	0.78	1.39	16,975	1362		
2175	39D95	RR2	Pioneer Hi-Bred	14.2	64.0	5.0	8.9	62.9	30.6	51.3	0.82	1.42	14,603	1229		
2175	MZ 1261BR	YGCB,RR2	Maizez Seeds	13.1	62.6	4.6	9.4	59.7	37.0	62.5	0.72	1.34	13,381	1076		
2200	SIEx BT RR	YGCB, RR2	Pickseed Canada Inc.	14.3	61.3	5.0	8.6	59.6	37.2	61.7	0.72	1.34	13,507	1169		
2200	2781 RR	RR	Seeds 2000	14.8	65.0	5.2	7.9	59.4	37.5	62.4	0.72	1.34	13,985	1207		
2200	EX 0923	RR2	Maizez Seeds	14.0	61.9	4.9	8.6	61.2	34.0	57.8	0.77	1.38	13,744	1176		
2200	2219RR	RR2	Pickseed Canada Inc.	13.7	66.0	4.8	8.9	58.3	39.8	64.8	0.68	1.31	12,788	1099		
2200	FUSION RR	RR2	BrettYoung	14.3	59.6	5.0	8.1	59.3	37.8	63.5	0.71	1.33	14,010	1169		
2250	BAXXOS RR	RR2	Hyland Seeds	14.3	62.2	5.0	9.7	59.2	37.9	62.7	0.71	1.33	13,511	1166		
2250	HL B18R	BT,RR2	Hyland Seeds	13.7	64.1	4.8	9.3	64.5	27.3	49.4	0.87	1.46	14,331	1215		
2250	HL S011	-	Hyland Seeds	15.9	64.2	5.6	8.2	58.5	39.3	64.4	0.69	1.31	15,373	1282		
2250	HL SR06	RR2	Hyland Seeds	13.2	64.9	4.6	8.9	62.7	30.9	55.0	0.81	1.42	14,038	1140		
2250	DKC 27-45	BT, RR	Monsanto Canada	13.0	61.9	4.5	9.4	60.3	35.8	60.0	0.74	1.36	12,145	1076		
2250	39Z69	HX1, RR2	Pioneer Hi-Bred	14.7	58.0	5.1	9.3	60.1	36.1	60.1	0.74	1.35	15,182	1211		
2250	39B94	HX1, RR2	Pioneer Hi-Bred	15.7	59.3	5.5	7.8	58.5	39.5	65.1	0.69	1.31	14,625	1260		
2250	39D97	HX1, RR2	Pioneer Hi-Bred	14.3	60.5	5.0	8.6	62.6	31.1	53.7	0.81	1.41	14,547	1232		
2250	LF 725Bt	YGCB	Maizez Seeds	14.0	64.4	4.9	8.0	59.7	36.9	62.5	0.72	1.34	13,591	1153		
2250	20T18RR	BT, RR2	BrettYoung	14.3	62.8	5.0	9.1	61.7	33.0	57.1	0.78	1.39	14,456	1213		
2250	LR 9870 RB	YGCB, RR	Quarry Grain	16.6	64.8	5.8	7.9	60.6	35.3	60.1	0.75	1.36	15,977	1385		
2250	TS 7950	-	Quarry Grain	13.8	64.4	4.8	7.8	60.1	36.1	60.8	0.74	1.35	13,835	1144		
2250	TS 7952	-	Quarry Grain	14.1	64.8	4.9	8.1	59.8	36.8	63.3	0.73	1.34	14,252	1162		
2300	2501 RR	RR2	Pickseed Canada Inc.	14.6	62.4	5.1	8.5	63.0	30.3	53.2	0.82	1.42	15,609	1262		
2300	DKC 29-97	RR	Monsanto Canada	13.2	64.5	4.6	9.1	59.9	36.5	62.4	0.73	1.35	13,389	1084		
2300	LF 728R	RR2	Maizez Seeds	15.3	61.7	5.3	8.2	58.8	38.8	65.0	0.69	1.32	14,623	1234		
2300	PP2146	RR	Prairie Pacific Seeds	14.2	64.5	5.0	7.7	59.7	36.9	62.8	0.72	1.34	14,416	1170		
2325	A4705HMRR	RR2	PRIDE Seeds	16.5	63.4	5.8	8.8	59.6	37.3	60.3	0.72	1.34	15,121	1349		
2350	HL B22R	BT,RR2	Hyland Seeds	17.5	69.2	6.1	9.3	59.8	36.8	61.6	0.73	1.35	18,418	1442		
2350	39V05	RR2	Pioneer Hi-Bred	14.4	60.6	5.0	8.0	61.1	34.1	56.9	0.77	1.38	14,614	1211		
2350	25T87RR	RR2	BrettYoung	14.2	61.5	5.0	9.3	60.2	36.0	60.9	0.74	1.35	13,584	1173		
2350	DKC 30-23	RR	Monsanto Canada	14.6	65.2	5.1	8.5	58.7	38.9	65.4	0.69	1.32	13,972	1181		
2375	2447VT3	VT3	Pickseed Canada Inc.	15.5	61.4	5.4	8.0	59.3	37.8	61.2	0.71	1.33	13,880	1262		
2375	HL R219	RR2	Hyland Seeds	15.7	59.8	5.5	7.1	59.9	36.5	60.8	0.73	1.35	14,994	1295		
2375	DKC 30-20	VT3	Monsanto Canada	13.9	63.0	4.9	8.3	60.3	35.7	59.4	0.74	1.36	13,748	1153		
2400	39V07	HX1, RR2	Pioneer Hi-Bred	15.0	59.1	5.3	8.3	61.1	34.1	58.5	0.77	1.38	15,661	1261		
2400	LF 755BVR	YGCB,RR2	Maizez Seeds	14.9	65.0	5.2	6.5	56.3	43.9	70.2	0.62	1.26	13,818	1154		
2400	PPX7811	BT, RR	Prairie Pacific Seeds	17.2	65.2	6.0	8.9	57.6	41.1	67.7	0.66	1.29	15,873	1364		
2450	N14D-CB/LL	CB, LL	Syngenta Seeds	14.1	60.3	5.0	7.9	59.2	38.0	63.8	0.71	1.33	13,324	1150		
2450	DKC 34-29	BT, RR	Monsanto Canada	15.0	63.4	5.3	7.3	61.1	34.1	58.6	0.77	1.38	15,068	1260		
2500	HL R228	RR2	Hyland Seeds	15.7	65.4	5.5	7.6	59.2	37.9	62.5	0.71	1.33	14,932	1280		
2500	HL SR22	RR2	Hyland Seeds	15.8	62.8	5.5	8.7	61.0	34.4	57.4	0.76	1.37	15,209	1324		
2500	25T29RR	VT3	BrettYoung	16.2	63.2	5.7	7.5	61.1	34.2	59.4	0.77	1.38	16,275	1363		
2500	TS 8000	-	Quarry Grain	15.6	65.9	5.5	8.8	62.1	32.2	56.0	0.79	1.40	16,943	1329		
2500	TS 2483	-	Quarry Grain	16.2	66.2	5.7	8.8	59.6	37.2	62.8	0.72	1.34	15,151	1324		
2550	N15-A9	-	Syngenta Seeds	14.6	63.5	5.1	9.3	58.3	39.7	64.0	0.68	1.31	14,485	1170		
2550	MURANO RR	RR2	BrettYoung	18.0	64.4	6.3	9.5	61.0	34.4	57.2	0.76	1.37	17,578	1508		
2575	P8581R	RR2	Pioneer Hi-Bred	17.3	62.5	6.1	8.9	61.7	33.1	55.8	0.78	1.39	17,494	1465		
2600	HL B24R	BT,RR2	Hyland Seeds	16.7	67.4	5.8	8.7	62.2	31.9	54.6	0.80	1.40	16,597	1424		
2650	HL SR35	RR2	Hyland Seeds	20.5	67.8	7.2	8.2	59.8	36.8	60.1	0.73	1.34	18,621	1685		
2650	N17H-CB/LL	CB, LL	Syngenta Seeds	15.3	63.0	5.4	9.7	60.2	36.0	61.1	0.74	1.35	14,585	1268		
2650	N19G-CB/LL	CB, LL	Syngenta Seeds	16.6	66.9	5.8	8.0	61.6	33.2	56.7	0.78	1.39	17,598	1403		
2650	39B23	HX1, RR2	Pioneer Hi-Bred	15.4	62.6	5.4	8.7	62.1	32.2	54.5	0.79	1.40	15,331	1310		
2675	38B13	HX1, RR2	Pioneer Hi-Bred	18.0	69.0	6.3	8.7	60.3	35.8	60.5	0.74	1.36	17,120	1491		
2700	N27B-GT/CB/LL	GT, CB, LL	Syngenta Seeds	17.8	64.6	6.2	8.1	61.6	33.1	58.0	0.78	1.39	18,446	1504		
2750	N31P-GT	GT, CB, LL	Syngenta Seeds	19.3	67.6	6.8	6.5	58.8	38.7	64.4	0.70	1.32	15,900	1559		
2750	N29T-CB/LL	CB, LL	Syngenta Seeds	19.3	67.8	6.7	6.5	62.3	31.8	55.3	0.80	1.41	18,745	1650		
Site Average				15.3	63.6	5.4										
CV				5.3	4.4	5.3										
Sign Diff				Yes	Yes	Yes										
LSD				1.3	4.5	0.5										

1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which is suitable for your growing region.

2 Traits: BT, HX1, CB, YGCB - resistance to European corn borer; RR, RR2 - Roundup herbicide tolerant; GT - glyphosate herbicide tolerant; LL - Liberty herbicide tolerant; VT3 - resistance to European corn borer, Roundup herbi

3 Moisture content at harvest.

4 Crude Protein, TDN, ADF, NDF, NE/Gain & NE/Lact were measured on a composite sample for each hybrid.

5 Milk per Acre was calculated using Milk 2006, a model developed by the University of Wisconsin Extension Service. A combination of actual feed test values (DM, CP, NDF, starch) and book values (NDFd, ash, fat) was used.

6 Beef per acre was calculated on the assumption that one pound of beef is produced for every six pounds of TDN.

Data courtesy of the Manitoba Corn Committee (MCC)

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