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NEW YORK CORN SILAGE HYBRID TESTS – 2006

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Corn silage hybrids were tested at four locations in New York in 2006. We evaluated 95 to 115-day hybrids in relative maturity (RM) at the Aurora Research Farm (Cayuga Co.) and Southview Farms in Groveland Station (Livingston Co.). Both sites average about 2400 growing degree days (GDD, 86-50° system) from May through September. We evaluated 75 to 100 day hybrids in RM at John Greenwood's farm in Madrid (St. Lawrence Co.) and at the Miner Institute at Chazy (Clinton Co.). Both sites average about 2100 GDD from May through September. All seed companies were invited to enter their hybrids in these tests at a fee. We also included six check hybrids at the four sites at the request from members of the Northeast Dairy Producers' Association (NEDPA).

MATERIALS AND METHODS

We planted all hybrids with a 2-row plot planter at about 36,000 plants/acre to achieve harvest populations of 32,000-34,000 plants/acre. The Aurora site was planted on 28 April and the Groveland Station site on 1 May. The Madrid site was planted on 4 May and the Chazy site on 10 May. All hybrids were grouped within a 5-day RM (i.e. 91-95 day RM, 96-100, etc.), and planted in a randomized complete block design with four replications. Each individual plot consisted of two 22-ft. rows spaced 30 inches apart. Each individual plot received about 250 lbs/acre of 10-20-20 at planting. The Aurora and Chazy site received about 140 lbs N/acre of sidedressed N at the 4 to 5-leaf (V4 to V5) stage. The Groveland Station and Madrid sites were well-manured dairy sites so they received no sidedressed N. We used preemergence herbicides and hand-weeding to control weeds.

Both rows, trimmed back to an 18-foot length, of each hybrid were harvested for silage yield with a retrofitted 3-row New Holland Chopper with a platform and a weigh-basket, mounted on load cells. The goal was to harvest all hybrids in the 60-70% moisture range but at Groveland Station the moisture was higher for some of the 106-115 day hybrids because of rehydration after a significant precipitation event a few days before harvest.

The Aurora site was harvested on four dates: 95-100 day RM group on 24 August, 101-105 day RM group on 28 August, 106-110 day RM group on 31 August, and 111-115 day RM group on 1 September. The original plan was to harvest the 95-105 day hybrids at Groveland Station on 5 September and the 106-115 day hybrids on 8 September. Wet soil conditions with significant rehydration of the hybrids prevented harvest on 5 September so all hybrids were harvested on 8 September. Although moisture values were in the 65-68% range for most 95-100 day hybrids, starch values exceeded 35% for most hybrids indicating that 95-100 day RM hybrids were physiologically in the 62-65% moisture range. Some hybrids in the 106-115 day RM group had moistures in the 70-73% moisture range at harvest, but starch values exceeded 30% for most hybrids (except for the BMR and experimental Grant's hybrids) indicating that these hybrids were physiologically in the 67-70% moisture range. Overall, rehydration of the hybrids at Groveland Station probably raised their moisture values by about 3 percentage units. All hybrids were harvested at Madrid on 12 September and on 22 September at Chazy.

An approximate 10,000 g well-mixed sample was originally collected from each plot. The 10,000 g sample was then ground further in the field with a chipper-shredder. An approximate 1,000 g subsample was then weighed with a gram-scale and stored on ice packs in a cooler or refrigerated in a generator-powered freezer (samples were not frozen). At the end of each day, the samples were brought back to a Cornell Research Farm for drying. The samples were dried at 140°F in a forced air drier to constant moisture and then weighed to determine moisture content of each sample.

Samples were processed and analyzed by Cumberland Valley Analytical Services, Inc. Samples were analyzed by wet chemistry for neutral detergent fiber (NDF), according to procedures by Van Soest et al. (1991). Samples were incubated for 30 hours at 39°F in a buffered rumen fluid, according to procedures by Van Soest and Robertson (1980) using a flask system and Van Soest buffer. Following fermentation, residues were analyzed for NDF by wet chemistry to determine 30-hour NDF digestibility (dNDF). The NDF digestibility was calculated as $([1-\text{NDF residue}/\text{initial NDF}] \times 100)$. The 30-hour dNDF values were then multiplied by 1.16 to estimate 48-hour dNDF values for the Milk2000 and Milk2006 programs. Other inputs for Milk2000 and Milk2006 were determined using NIRS, including crude protein

(CP), starch, ether extract, and ash. The NDF-CP default value of 1.3 was used for the Milk2000 calculations. The Milk2006 program does not have NDF-CP as an input parameter. Milk per ton and milk per acre were then calculated using the Milk2000 and Milk2006 spreadsheet programs (Tables 2-9). As you can see, there are some minor differences in milk/ton rankings among hybrids but almost no differences in milk yield rankings among hybrids when comparing Milk2000 and Milk2006 results. We will present results from both programs this year, the transition year, but will report only Milk2006 results in subsequent years.

Data were analyzed using the PROC GLM procedure of SAS. The LSD values for separating hybrid means were generated at the $P = 0.10$ level. Hybrids are considered above-average for calculated milk yield, milk/ton, or silage yield when the hybrid's value is 100.5% or more of the mean value within their RM group.

RESULTS AND DISCUSSION

Aurora and Groveland Station

The 2006 growing season at both locations was slightly warmer and much wetter than normal (Table 1). The summer rainfall from June through August was close to the wettest 3-month period on record at both locations. Consequently, the corn crop experienced minimum stress and yields were high at both locations.

Seven hybrids at Aurora and 10 hybrids at Groveland Station had above-average calculated milk yields in the 95-100 day RM group in 2006 (Tables 2 and 3). TMFT497 from Mycogen, 8688RR from Garst, 470RR from Doebler's TMF2N422 from Mycogen, 946LRR from LICA, and 4955XRR from Growmark FS had above-average milk yields at both sites. N45-A6, an NK brand, had above-average milk yields at Aurora. 8676IT from Garst, 37K84 from Pioneer, 468RB from Doebler's, and HL S047 had above-average milk yields at Groveland Station. When average across sites, TMF2T497, 470RR, and 8688RR had much-above-average silage yields and TMF2N422, N45-A6, and 946LRR had above-average milk/ton values.

Nine hybrids at Aurora and six hybrids at Groveland Station had above-average milk yields in the 101-105 day RM group (Tables 2 and 3). 8693CB/LL from Garst, DKC55-12 from Dekalb, N48-R3, an NK brand, TA557-00F from T.A. Seeds, 35A30 from Pioneer, and 307 from LICA had above-average milk yields at both sites. F2F566 from Mycogen, N48-L4, an NK brand, and 537RB from Doebler's had above-average milk yields at Aurora. When averaged across sites, 8693CB/LL, DKC55-12, N48-R3, TA557-00F, and 35A30 had above-average silage yields and milk/ton values.

Five hybrids at Aurora and at Groveland Station had above-average milk yields in the 106-110 day RM group (Tables 2 and 3). 620 from Doebler's, 34A86 from Pioneer, and 34A16 from Pioneer had above-average milk yields at both sites. RX655RR2 from Asgrow and HT6601RR from Hytest had above-average milk yields at Aurora. 33D13 from Pioneer and 8313CB/LL from Garst had above-average milk yields at Groveland Station. When averaged across sites, 620 had much-above-average silage yields and 34A16 had much-above-average milk/ton values.

Eight hybrids at Aurora and seven hybrids at Groveland Station had above-average milk yields in the 111-115 day RM group (Tables 2 and 3). 34B39 and 33H26 from Pioneer, 8380IT from Garst, L-9H93Bt from Laser, 34B24 from Pioneer, and 57P12 from Dyna-Gro had above-average milk yields at both sites. DKC61-68 from Dekalb and L-9H63Bt from Laser had above-average milk yields at Aurora. TA689-12F from T.A. Seeds had above-average milk yields at Groveland Station. When averaged across sites, 33H26, 34B39, TA689-12F, 34B24, and 57P12 had much-above-average silage yields and 34B39 and 8380IT had above-average milk/ton values.

When excluding the brown-midrib (BMR) and experimental hybrids (Grant's), silage yields at Aurora averaged 27.6 tons/acre for the 95-100 day RM group, 28.4 tons/acre in the 101-105 day RM group, 29.4 tons/acre in the 106-110 day RM group, and 29.1 tons/acre in the 111-115 day RM group. At Groveland Station, silage yields averaged 28.3 tons/acre in the 95-100 day RM group, 28.7 tons/acre in the 101-105 day RM group, 29.2 tons/acre in the 106-110 day RM group, and 30.8 tons/acre in the 111-115 day RM group.

Madrid and Chazy

The 2006 growing season in Northern NY was warmer than normal with above-average GDD in May and July at Canton (a few miles from Madrid) and Chazy (Table 1). Both sites, however, were dry in July and August, especially at Madrid where only 2.20 inches of precipitation were recorded in July and August. Nevertheless, yields were quite high at Madrid, despite the very dry conditions.

Four hybrids at Madrid and at Chazy had above-average milk yields in the 75-85 day RM group (Tables 4 and 5). HT7220BT/RR2 from Hytest and 377BWR from Doebler's, 85 day hybrids, had much above-average milk yields at both sites. TA208-00F from T.A. Seeds and HL S041 from Hyland had above-average milk yields at Madrid. HL SR22 from Hyland and HT1701RR from Hyland had above-average milk yields at Chazy. When averaged across sites, HT7220BT/RR2 and 377BWR had much above-average silage yields and HL SR22 had above-average milk/ton values.

Three hybrids at Madrid and at Chazy had above-average milk yields in the 86-90 day RM group (Tables 4 and 5). TMF2L412 from Mycogen had above-average milk yields at both sites. HL S034 from Hyland and N29-A2, an NK Brand, had above-average milk yields at Madrid. N31-P2, an NK brand, and TA310-00F from T.A. Seeds had above-average milk yields at Chazy. When averaged across sites, TMF2L412 and N31-P2 had much above-average silage yields, and N29-A7 had above-average milk/ton values.

Seven hybrids at Madrid and eight hybrids at Chazy had above-average milk yields in the 91-95 day RM group (Tables 4 and 5). 946LRR from LICA, 468RB from Doebler's, N39-Q1, an NK brand, 4453XRR from Growmark FS, TNT-92CRW/RR2 from Hytest, 5434RR from Chemgro, and TA450-11 from T.A. Seeds had above-average milk yields at both sites. 38K46 from Pioneer had above-average milk yields at Chazy. When averaged across sites, 468RB, 946LRR, N39-Q1 and 4453XRR had much above-average silage yields and 946LRR and TNT-92CRW/RR2 had above-average milk/ton values.

Excluding the check hybrids, only 964L from LICA had above-average milk yields in the 96-100 day RM group (Tables 4 and 5). HT7435BT/RR2 from Hytest and 8744YPL from Garst had above-average milk yields at Madrid. DKC48-53 from Dekalb and 8815CB/LL from Garst had above-average milk yields at Chazy. When averaged across sites, only 964L had above-average silage yields.

When excluding the BMR hybrid, silage yields at Madrid averaged 28.2 tons/acre in the 75-85 day RM group, 31.1 tons/acre in the 86-90 day RM group, 30.1 tons/acre in the 91-95 day RM group, and 29.9 tons/acre in the 96-100 day RM group. At Chazy, silage yields averaged 20.5 tons/acre in the 75-85 day RM group, 22.3 tons/acre in the 86-90 day RM group, 22.5 tons/acre in the 91-95 day RM group, and 23.2 tons/acre in the 96-100 day RM group.

CONCLUSION

The 2006 growing season in New York was somewhat warm and excessively wet in central/western NY. In Northern NY, the growing season was somewhat warm and wet into July, but then became dry for the remainder of July and August. The results from this study reflect well the yield and quality of corn silage that was planted in April and May of 2006 in New York, and did not suffer stress from the excessive rains in June.

The results of this study will be incorporated into the recommended corn silage tables in our annual Cornell Guide for Integrated Field Crop Management. We only list hybrids that have above-average relative calculated milk yields in their hybrid RM group (i.e. 96-100, 101-105 day RM, etc.). We also list the relative silage yields and milk/ton values for the recommended hybrids. The Cornell Guide for Integrated Field Crop Management is now at our web site: www.fieldcrops.org. We will update our recommended corn silage hybrids soon so please access this site in mid to late December. We urge all seed companies to participate in our corn silage testing program so we can provide the best information to our New York dairy producers.

Table 1. NYS Corn Silage Trials - Weather Data, 2006 Growing Season

Month	Precipitation					GDD (86-50 F)				
	Groveland					Groveland				
	Aurora	Station*	Madrid***	Watertown	Chazy	Aurora	Station	Madrid	Watertown	Chazy
May	3.94	1.46	2.76	2.31	4.91	308	331	306	311	326
June	6.25	3.95	4.42	4.48	4.92	516	505	446	454	488
July	5.42	6.83	1.90	1.58	2.58	733	690	656	676	721
August	3.57	5.52	1.12	1.18	2.90	605	578	521	562	560
Seasonal	19.18	17.86	10.2	9.45	15.31	2162	2104	1929	2003	2095

* Weather data from Dansville.

** Precipitation data from Canton.

***GDD data from Massena

Table 2. Aurora, NY, 2006. (Milk2000).

Brand/ Company	Hybrid	Silage			30 hour			Milk2000	Milk2000
		Yield tons @65	Moisture %DM	NDF %DM	dNDF %	CP %DM	Starch %DM	Milk/ton lbs/ton	Milk Yield lbs/acre
95 to 100-d RM									
Check	38H67	30.2	67.7	38.1	59.5	7.9	35.0	4046	42559
Mycogen	TMF2T497	28.9	68.9	43.0	65.6	7.8	28.9	4089	41627
Mycogen	TMF2N422	28.7	67.9	41.5	63.1	7.8	31.8	4139	41496
Doebler's	470RR	29.3	67.5	43.8	60.4	8.0	28.9	3950	40471
NK	N45-A6	28.0	67.7	39.6	60.9	7.9	33.9	4120	40335
Garst	8688RR	28.7	68.7	40.0	61.3	7.5	32.3	3988	40095
Growmark FS	4955XRR	28.0	68.2	41.5	61.3	7.8	31.3	4016	39334
LICA	946LRR	27.0	67.8	42.7	63.2	7.7	30.8	4142	39201
Pioneer	38H65	27.1	67.5	38.4	60.1	8.0	34.7	4075	38626
Check	37K84	27.2	67.6	38.8	59.3	7.9	34.2	4021	38272
Pioneer	37K84	27.7	66.9	39.0	56.3	7.9	34.2	3906	37791
Hyland	HL SO47	26.8	68.4	42.5	61.6	8.0	30.3	4021	37672
LICA	964L	26.8	68.3	42.1	62.1	8.0	30.2	4024	37637
Mycogen	TMF94	26.0	68.9	40.3	62.2	8.0	32.7	4116	37441
Hyland	HL SR42	25.8	69.5	40.1	63.2	8.4	32.2	4149	37440
Hyland	HL SO41	25.7	69.1	39.5	63.7	8.1	32.9	4155	37351
Garst	8676IT	28.7	70.1	41.6	55.4	8.0	30.1	3706	37246
Doebler's	468RB	26.9	68.4	43.6	59.1	8.0	29.5	3925	36903
LICA	UFO 996B	21.7	70.7	41.1	72.1	8.1	30.9	4415	33606
101 to 105-d RM									
Garst	8693CB/LL	30.2	68.3	40.0	59.7	7.3	34.3	4060	42795
Dekalb	DKC55-12	30.2	68.6	40.7	59.4	7.5	33.9	4038	42660
Pioneer	35A30	29.2	66.9	38.5	60.4	7.9	35.0	4100	42001
T.A. Seeds	TA557-00F	29.5	65.8	42.3	60.3	8.0	32.0	4060	41944
NK	N48-R3	29.3	68.0	38.7	58.2	8.1	34.7	4032	41394
Mycogen	F2F566	25.9	70.6	40.9	72.6	8.2	32.5	4559	41220
NK	N48-L4	28.8	66.0	41.6	58.9	8.0	32.9	4025	40572
Doebler's	537RB	28.8	67.3	41.4	57.7	7.7	33.2	3985	40176
LICA	307	28.3	69.7	40.1	57.6	7.7	34.2	4010	39779
Garst	8590GT	29.1	68.7	40.7	55.4	7.2	34.6	3903	39685
Dyna-Gro	55P98	28.1	68.5	41.5	58.2	7.3	33.0	3982	39145
Hyland	HL SO67	28.1	70.2	43.1	58.8	7.5	30.8	3940	38749
Hyland	HL SO58	27.8	69.7	42.5	59.0	7.8	31.0	3949	38423
Dekalb	DKC54-46	28.3	68.9	41.3	55.7	8.1	32.3	3868	38337
LICA	1056 S	28.0	69.2	42.1	57.4	7.6	31.8	3904	38142
LICA	UFO 1056B	24.3	70.1	41.8	71.7	7.8	31.5	4467	37962
Hytest	HT 7567 TS	26.3	68.9	40.9	58.6	7.9	33.3	4029	37029
Doebler's	538BWR	26.9	68.4	41.8	56.0	7.5	32.5	3870	36621
LICA	1094 RR	25.3	69.9	41.9	57.9	7.9	32.0	3948	34938

Aurora, NY, 2006. (Milk2000) (page 2).

Hybrid	Brand/ Company	Silage		30 hour			Milk2000		Milk Yield
		Yield tons @65	Moisture %DM	NDF %DM	dNDF %	CP %DM	Starch %DM	Milk/ton lbs/ton	
106 to 110-d RM									
Asgrow	RX655RR2	31.2	65.9	42.0	56.7	7.4	33.2	3946	43099
Hyttest	HT6601RR	30.0	68.1	42.4	60.2	8.0	31.1	4044	42473
Doebler's	620	30.4	67.7	42.8	57.7	7.8	31.0	3949	41999
Pioneer	34A16	29.0	68.5	40.5	60.7	7.7	33.9	4131	41961
Pioneer	34A86	30.3	66.8	42.6	56.4	7.8	32.8	3936	41627
Check	34B23	29.1	68.8	41.4	59.2	8.1	32.4	4055	41245
Garst	8313CB/LL	29.1	69.7	42.1	58.8	7.5	32.1	4006	40754
Dekalb	DKC57-79	29.3	68.2	40.6	56.2	8.1	33.2	3930	40293
Check	TMF2N602	29.1	69.5	45.1	59.7	7.5	28.7	3939	40095
Check	DKC57-79	29.2	68.1	41.4	56.3	7.9	32.7	3924	40076
Dyna-Gro	5324BT	28.3	68.8	41.4	59.0	8.2	32.1	4025	39845
LICA	1084L	28.8	68.0	44.5	58.4	7.9	29.4	3948	39796
Pioneer	33D13	27.9	69.1	43.8	56.8	7.8	29.9	3851	37573
Check	F2F581	22.4	69.3	41.2	72.4	8.2	32.8	4567	35856
111 to 115-d RM									
Garst	8380IT	31.2	68.7	40.4	60.5	7.7	33.5	4103	44812
Dyna-Gro	57P12	30.8	69.6	42.6	59.9	7.5	31.3	4015	43232
Pioneer	34B39	29.4	68.1	41.9	62.5	7.6	32.6	4179	42980
Pioneer	33H26	30.2	69.8	42.3	60.7	7.5	31.2	4019	42443
Dekalb	DKC61-68	30.1	69.1	41.7	58.6	8.1	32.3	4024	42417
Laser	L- 9H63Bt	30.5	71.6	42.8	58.8	7.8	30.5	3953	42076
Laser	L -9H93Bt	29.7	69.8	41.5	59.1	7.5	32.6	4029	41926
Pioneer	34B24	29.0	69.4	42.2	60.4	7.8	31.8	4069	41339
Dekalb	DKC61-22	28.9	69.6	42.2	57.9	8.1	31.4	3965	40143
T.A. Seeds	TA689-12F	28.9	69.9	45.5	59.4	7.8	28.2	3937	39790
Dyna-Gro	57B47	27.7	68.4	40.8	58.8	7.9	33.7	4075	39418
T.A. Seeds	TA686-03	27.7	68.9	42.0	57.0	7.9	31.9	3952	38292
Grant's	TD-2	30.6	71.4	51.4	57.5	7.6	21.1	3579	38221
Mycogen	F697	23.6	73.4	43.8	72.1	8.4	28.7	4478	37004
Grant's	TD-1	29.7	70.7	52.3	56.4	7.7	20.8	3549	36876
Grant's	TD-3	28.9	69.6	50.6	56.2	7.7	22.2	3562	36095
LICA	UFO1116	21.9	70.9	42.2	69.4	7.8	31.0	4359	33378
LICA	1156 S	23.7	73.2	48.6	61.4	8.1	24.0	3902	32341
LSD 0.10		2.5	1.0	1.6	2.6	0.3	1.6	115	3824
Overall Mean		28.1	68.9	42.1	60.3	7.8	31.5	4025	39516

Table 3. Groveland Station, NY, 2006. (Milk2000).

Brand/ Company	Hybrid	Silage Yield tons @65	Moisture %DM	NDF %DM	30 hour dNDF %	CP %DM	Starch %DM	Milk2000 Milk/ton lbs/ton	Milk2000 Milk Yield lbs/acre
95 to 100-d RM									
Garst	8688RR	31.7	66.6	37.1	57.1	7.8	38.0	4096	45437
Mycogen	TMF2T497	32.2	67.7	43.3	56.7	8.2	31.1	3938	44421
Garst	8676IT	32.3	68.8	38.7	54.4	8.1	36.4	3921	44368
Doebler's	470RR	30.9	66.5	41.5	56.0	8.2	33.6	3926	42530
Pioneer	37K84	30.7	64.5	38.0	54.2	8.1	37.1	3948	42445
Doebler's	468RB	29.5	66.3	36.9	56.7	8.5	39.0	4067	41961
Hyland	HL SO47	29.8	65.0	39.4	56.7	8.3	35.3	4002	41744
LICA	946LRR	28.9	65.0	40.7	57.8	7.9	35.5	4017	40657
Mycogen	TMF2N422	28.4	64.3	39.8	58.4	7.8	36.1	4073	40518
Growmark FS	4955XRR	28.5	66.3	37.9	56.6	8.1	37.7	4043	40217
LICA	964L	28.1	65.3	41.5	57.1	8.5	33.1	3972	39079
Check	38H67	26.9	64.2	38.6	56.4	7.9	37.3	4027	37843
NK	N45-A6	26.3	63.5	37.2	57.2	8.1	38.3	4093	37659
Check	37K84	26.8	65.0	36.9	53.7	8.1	37.9	3955	37158
Pioneer	38H65	25.8	65.2	37.1	56.1	8.1	38.7	4050	36546
Mycogen	TMF94	24.7	67.4	37.4	59.5	8.6	37.4	4144	35784
Hyland	HL SR42	23.7	66.3	39.4	59.7	8.6	35.5	4110	34167
Hyland	HL SO41	24.1	66.6	39.9	56.7	8.5	34.3	3997	33743
LICA	UFO996B	18.7	67.9	40.7	70.8	8.1	34.7	4514	29474
101 to 105-d RM									
Garst	8693CB/LL	32.0	67.2	37.9	57.5	7.6	38.0	4086	45773
NK	N48-R3	31.1	68.3	36.5	57.5	8.5	37.1	4076	44413
Dekalb	DKC55-12	31.1	68.5	39.7	59.0	7.9	35.6	4078	44174
T.A. Seeds	TA557-00F	30.5	67.1	42.3	58.9	8.7	30.8	4018	42896
Pioneer	35A30	30.0	68.3	38.6	58.4	8.0	36.6	4071	42766
LICA	307	30.3	70.0	40.3	57.2	8.1	34.1	4030	42741
LICA	1056 S	29.3	69.8	42.0	56.5	8.0	32.0	3929	40201
Doebler's	537RB	28.4	67.1	39.7	55.6	8.0	36.0	3983	39623
Hyland	HL SO58	29.1	69.9	43.7	56.1	8.2	30.6	3885	39563
Garst	8590GT	28.6	68.6	41.1	54.5	7.8	33.8	3890	38922
Dekalb	DKC54-46	27.7	69.7	39.8	55.4	8.2	35.1	3950	38339
NK	N48-L4	27.7	65.0	39.9	54.8	8.4	35.1	3940	38136
Hyland	HL SO67	27.8	70.7	42.6	56.7	8.3	30.3	3864	37626
Hyttest	HT7567TS	26.8	65.9	39.4	56.7	8.0	35.9	4001	37499
Dyna-Gro	55P98	26.3	66.9	40.4	56.8	8.0	36.2	4006	36892
Mycogen	F2F566	23.1	70.5	41.7	71.5	8.5	32.7	4547	36823
Doebler's	538BWR	26.6	68.9	41.8	55.3	8.2	33.8	3900	36165
LICA	1094 RR	25.3	71.2	40.5	56.0	8.1	34.1	3956	35047
LICA	UFO1056B	22.5	70.6	41.2	70.3	8.3	31.4	4426	34922

Groveland Station, NY, 2006. (Milk2000) (page 2).

Hybrid	Brand/ Company	Silage Yield tons @65	Moisture %DM	NDF %DM	30 hour dNDF %	CP %DM	Starch %DM	Milk2000 Milk/ton lbs/ton	Milk Yield lbs/acre
				106 to 110-d RM					
Doebler's	620	33.2	69.0	42.8	56.2	8.2	31.4	3922	45608
Pioneer	34A86	32.5	68.7	41.5	54.9	8.2	33.6	3889	44245
Pioneer	33D13	30.9	70.5	41.8	55.8	8.0	32.8	3904	42179
Garst	8313CB/LL	30.4	70.4	39.9	55.4	8.0	34.7	3951	42027
Check	34B23	29.6	69.2	40.6	57.8	8.5	33.7	4050	41898
Pioneer	34A16	29.0	71.4	41.6	58.2	8.5	32.5	4014	40795
Check	TMF2N602	30.0	71.1	44.7	55.5	8.2	28.3	3768	39527
Check	DKC57-79	28.5	69.3	41.8	55.4	8.0	32.8	3911	38937
Asgrow	RX655RR2	28.2	68.9	41.8	54.6	7.7	33.9	3875	38202
Dekalb	DKC57-79	28.0	70.2	41.5	53.1	8.3	32.9	3802	37344
Dyna-Gro	5324BT	27.1	71.3	42.3	56.4	8.3	31.0	3897	36965
LICA	1084 L	26.3	71.1	45.2	56.2	8.6	28.5	3845	35349
Hyttest	HT6601RR	25.9	71.2	41.9	56.1	8.8	31.0	3880	35161
Check	F2F581	21.2	71.1	41.3	72.9	8.8	32.4	4615	34206
				111 to 115-d RM					
Pioneer	34B39	34.6	69.1	40.9	58.2	7.8	33.7	4011	48581
T.A. Seeds	TA689-12F	34.4	71.3	44.2	59.6	8.6	29.1	4009	48318
Pioneer	33H26	34.4	71.2	41.4	59.6	7.8	32.0	3996	48020
Pioneer	34B24	33.3	70.8	42.1	55.7	8.4	32.3	3919	45606
Grant's	TD-2	34.5	73.6	52.1	57.7	7.7	21.2	3639	44164
Grant's	TD-1	35.2	72.6	51.4	55.5	7.8	22.2	3589	44156
Laser	L- 9H93 Bt	31.3	71.2	40.4	58.8	8.1	33.1	4030	44118
Garst	8380IT	30.5	70.7	38.0	58.2	8.4	36.0	4095	43646
Dyna-Gro	57P12	31.2	72.0	41.9	58.0	7.9	32.2	3989	43587
Laser	L- 9H63 Bt	30.2	73.3	42.5	57.3	8.1	31.3	3942	41600
Grant's	TD-3	33.8	72.9	50.3	54.0	8.5	22.2	3497	41387
Dekalb	DKC61-68	30.3	70.5	40.1	54.3	8.4	34.2	3895	41346
Dekalb	DKC61-22	29.4	72.2	41.8	55.1	8.4	32.6	3880	39859
T.A. Seeds	TA686-03	28.3	69.6	41.2	56.2	8.5	33.2	3965	39314
Mycogen	F697	24.5	74.0	41.5	69.9	8.7	31.8	4482	38341
LICA	1156 S	27.0	75.0	47.5	58.9	8.7	25.4	3896	36812
Dyna-Gro	57B47	25.6	69.6	39.5	54.9	8.2	35.5	3948	35372
LICA	UFO 1116	21.7	73.2	40.9	68.7	8.5	31.6	4375	33343
	LSD 0.10	2.90	1.10	2.40	2.20	0.30	2.50	117	4290
	Overall Mean	28.8	69.0	41.1	57.8	8.2	33.4	4000	40188

Table 4. Chazy NY, 2006(Milk2000).

Brand/ Company	Hybrid	Silage Yield	Moisture	NDF	30 hour dNDF	CP	Starch	Milk2000 Milk/ton	Milk2000 Milk Yield
		tons_65	%DM	%DM	%	%DM	%DM	lbs/ton	lbs/acre
75 to 85-d RM									
Hytest	HT7220BT/RR2	23.6	64.7	39.7	57.4	8.0	35.6	4013	33195
Doebler's	377BWR	21.5	64.8	39.9	57.4	7.5	36.6	3982	29910
Hyland	HL SR22	20.1	62.1	39.6	60.7	8.8	34.6	4101	28900
Hytest	HT1707RR	20.5	60.3	41.3	58.0	8.4	34.6	3972	28453
Hyland	HL SO11	19.8	61.5	42.5	59.5	8.5	32.1	4005	27752
T.A. Seeds	TA208-00F	17.5	60.4	41.8	54.1	8.8	32.7	3791	23215
86 to 90-d RM									
Mycogen	TMF2L412	25.7	65.3	41.5	59.1	7.9	33.4	4009	36056
NK	N31-P2	23.9	66.6	43.1	59.0	8.5	30.8	3998	33399
T.A. Seeds	TA310-00F	23.5	65.1	42.8	58.5	8.1	32.3	3984	32752
Pioneer	38R50	22.8	60.4	39.8	56.5	7.6	36.2	3957	31489
Garst	8921YG1/RR	21.8	65.3	38.9	59.6	7.5	37.0	4088	31146
Check	8922	21.7	65.4	39.2	59.0	7.3	36.6	4037	30653
Hyland	HL SO34	21.7	65.9	45.1	59.0	7.7	30.7	3954	30098
NK	N29-A2	19.1	64.1	38.1	61.0	7.6	38.1	4157	27840
Garst	8866RR	20.2	66.1	42.9	56.7	7.6	32.6	3878	27408
91 to 95-d RM									
Doebler's	468RB	26.1	65.3	41.7	55.1	7.8	34.6	3868	35385
NK	N39-Q1	24.2	63.7	38.7	59.3	7.1	38.3	4108	34806
LICA	946LRR	24.1	65.9	44.0	60.5	7.2	32.2	4050	34088
Hytest	TNT-92CRW/RR2	23.7	68.3	41.8	60.2	8.0	32.9	4063	33751
Chemgro	5434RR	23.3	65.7	42.1	61.1	7.9	32.9	4088	33376
Pioneer	38K46	23.7	62.6	37.6	56.4	7.3	38.9	3997	33236
Growmark FS	4453XRR	23.1	64.2	41.8	58.9	7.9	34.0	4025	32549
T.A. Seeds	TA450-11	22.7	64.7	37.0	57.2	7.8	38.9	4028	32052
Mycogen	TMF2R336	22.5	66.3	42.3	58.9	8.1	33.1	4011	31513
Dekalb	DKC45-82	22.3	65.4	38.0	58.2	7.8	37.8	4025	31487
Hyland	HL SO41	21.9	65.8	40.7	61.5	8.1	34.1	4108	31414
Dyna-Gro	53P30	21.6	65.3	39.9	56.3	7.5	36.1	3934	29667
Dekalb	DKC41-64	21.3	66.6	39.4	56.9	7.4	37.2	3967	29605
NK	N33-H6	21.6	67.5	42.9	56.8	8.1	31.6	3882	29226
Hyland	HL SR42	19.0	65.9	38.4	63.4	8.0	36.9	4231	28208
LICA	UFO996B	16.9	69.1	40.9	74.1	7.9	33.2	4577	27022
Check	4146XRR	19.3	65.2	39.4	57.8	7.4	36.8	4004	26987
96 to 100-d RM									
Check	4955XRR	25.2	65.3	40.7	62.5	7.7	34.8	4197	36973
LICA	964L	24.8	65.0	43.6	62.5	7.6	32.0	4109	35676
Check	37K84	23.6	64.1	35.5	58.1	8.0	39.8	4109	34002
Dekalb	DKC48-53	24.4	65.0	39.1	55.7	7.4	37.4	3912	33394
Garst	8815CB/LL	23.4	63.7	36.3	57.5	7.3	40.5	4075	33358
Check	TMF94	21.8	66.3	41.6	63.1	7.9	33.9	4177	31820
Garst	8744YPL	22.6	66.9	40.0	57.6	7.7	34.9	3988	31476
Hytest	HT7435BT/RR2	22.0	67.7	41.1	59.1	7.6	34.4	4023	31018
Check	38H65	20.9	66.0	38.1	57.9	7.6	37.8	4051	29627
	LSD 0.10	3.40	2.00	2.60	2.40	0.30	2.70	113	4824
	Overall Mean	22.2	65.0	40.6	59.1	7.8	35.1	4037	31317

Table 5. Madrid NY, 2006. (Milk2000).

Brand/ Company	Hybrid	Silage Yield tons_65	Moisture %DM	NDF %DM	30 hour dNDF %	CP %DM	Starch %DM	Milk2000 Milk/ton lbs/ton	Milk2000 Milk Yield lbs/acre
75 to 85-d RM									
Hytest	HT7220BT/RR2	33.5	64.1	39.5	57.2	7.9	35.4	4066	47646
T.A. Seeds	TA208-00F	29.3	60.4	41.0	55.2	8.6	33.8	3925	40318
Doebler's	377BWR	27.9	65.7	39.6	57.5	7.1	36.5	4025	39209
Hyland	HL SO11	27.4	60.7	42.4	57.6	8.4	32.5	3992	38355
Hytest	HT1707RR	26.0	62.0	39.1	56.4	8.8	35.9	4017	36489
Hyland	HL SR22	25.3	62.3	41.1	60.0	8.1	34.0	4104	36275
86 to 90-d RM									
Hyland	HL SO34	33.6	64.2	40.3	60.9	7.9	35.3	4156	48939
NK	N29-A2	32.3	62.7	37.4	62.8	7.7	39.1	4319	48869
Mycogen	TMF2L412	32.4	63.7	38.6	59.7	7.9	36.4	4153	47190
Garst	8921YG1/RR	31.7	66.1	38.2	56.8	7.8	37.5	4048	44896
NK	N31-P2	31.4	66.6	41.5	57.6	8.2	32.5	3973	43571
Pioneer	38R50	30.6	60.1	38.3	55.6	7.7	37.9	4010	42881
T.A. Seeds	TA310-00F	29.7	64.9	41.5	59.0	7.7	33.9	4045	42082
Garst	8866RR	30.0	65.5	41.0	56.7	7.8	34.0	3979	41821
Check	8922	28.2	65.0	38.7	55.1	7.8	37.1	3969	39262
91 to 95-d RM									
LICA	946LRR	33.2	64.4	39.6	59.7	7.6	36.4	4141	48168
Growmark FS	4453XRR	33.1	63.1	43.0	57.5	7.3	33.6	3977	45965
Doebler's	468RB	32.5	65.2	41.1	56.8	7.9	35.1	3988	45402
NK	N39-Q1	32.4	63.9	41.2	55.2	6.9	35.1	3906	44215
Chemgro	5434 RR	31.8	64.6	41.8	55.6	7.5	33.8	3915	43495
T.A. Seeds	TA450-11	31.0	63.2	38.9	56.3	7.7	36.9	4003	43373
Hytest	TNT-92CRW/RR2	29.9	66.0	40.9	60.0	7.7	33.8	4110	43045
NK	N33-H6	30.7	65.3	43.0	57.1	7.6	31.7	3944	42375
Dyna-Gro	53P30	28.8	63.7	38.9	61.3	7.6	37.4	4209	42369
Dekalb	DKC41-64	29.6	63.8	37.5	56.0	7.8	38.0	4026	41771
Dekalb	DKC45-82	29.7	67.2	38.2	55.5	7.8	36.9	3987	41544
Mycogen	TMF2R336	29.4	65.9	41.1	58.6	8.1	33.4	4014	41150
Hyland	HL SR42	28.0	65.4	39.2	60.9	7.7	36.6	4175	40949
LICA	UFO 996B	24.9	67.9	38.2	71.5	7.9	36.3	4597	39941
Pioneer	38K46	27.9	62.6	36.7	57.2	7.5	38.9	4091	39940
Hyland	HL SO41	26.4	66.2	40.7	60.0	7.6	34.8	4108	37982
Check	4146XRR	27.1	65.3	40.2	56.4	7.5	36.4	3989	37813
96 to 100-d RM									
Hytest	HT7435BT/RR2	32.1	67.7	43.0	58.9	7.5	31.8	3985	44823
Check	4955XRR	32.1	65.5	41.4	56.4	7.7	33.7	3973	44614
Check	37K84	30.9	63.1	38.8	56.2	7.6	36.4	4020	43504
Garst	8744YPL	30.9	65.1	39.7	57.2	7.8	34.7	4011	43469
LICA	964L	30.3	66.3	41.4	59.8	7.8	33.8	4093	43438
Dekalb	DKC48-53	28.9	65.8	39.1	60.3	7.3	37.3	4142	41980
Check	TMF94	28.7	65.6	40.2	59.2	7.7	35.1	4074	40923
Check	38H65	27.6	64.5	37.5	57.3	7.4	38.4	4099	39539
Garst	8815 CB/LL	27.6	65.6	38.2	55.6	7.5	38.0	4021	38749
	LSD 0.10	3.30	1.60	2.90	2.30	0.60	2.90	130	4996
	Overall Mean	29.9	64.6	39.9	58.2	7.7	35.5	4058	42399

Table 6. Aurora NY, 2006. (Milk2006).

Brand/ Company	Hybrid	Silage		NDF	30	CP	Starch	Milk2006	Milk2006
		Yield	Moisture		hour			dNDF	Milk/ton
		tons @65	%DM	%DM	%	%DM	%DM	lbs/ton	Yield
								lbs/ton	lbs/acre
95 to 100-d RM									
Check	38H67	30.2	67.7	38.1	59.5	7.9	35.0	3392	35744
Mycogen	TMF2N422	28.7	67.9	41.5	63.1	7.8	31.8	3384	33930
Mycogen	TMF2T497	28.9	68.9	43.0	65.6	7.8	28.9	3336	33930
Garst	8688RR	28.7	68.7	40.0	61.3	7.5	32.3	3333	33520
Doebler's	470RR	29.3	67.5	43.8	60.4	8.0	28.9	3233	33123
NK	N45-A6	28.0	67.7	39.6	60.9	7.9	33.9	3378	33077
Growmark FS	4955XRR	28.0	68.2	41.5	61.3	7.8	31.3	3328	32598
Pioneer	38H65	27.1	67.5	38.4	60.1	8.0	34.7	3389	32113
Check	37K84	27.2	67.6	38.8	59.3	7.9	34.2	3356	31948
LICA	946LRR	27.0	67.8	42.7	63.2	7.7	30.8	3362	31819
Pioneer	37K84	27.7	66.9	39.0	56.3	7.9	34.2	3275	31682
Garst	8676IT	28.7	70.1	41.6	55.4	8.0	30.1	3147	31631
LICA	964L	26.8	68.3	42.1	62.1	8.0	30.2	3316	31018
Hyland	HL SO47	26.8	68.4	42.5	61.6	8.0	30.3	3299	30914
Mycogen	TMF94	26.0	68.9	40.3	62.2	8.0	32.7	3382	30782
Hyland	HL SO41	25.7	69.1	39.5	63.7	8.1	32.9	3421	30754
Hyland	HL SR42	25.8	69.5	40.1	63.2	8.4	32.2	3390	30583
Doebler's	468RB	26.9	68.4	43.6	59.1	8.0	29.5	3228	30362
LICA	UFO 996B	21.7	70.7	41.1	72.1	8.1	30.9	3559	27074
101 to 105-d RM									
Garst	8693CB/LL	30.2	68.3	40.0	59.7	7.3	34.3	3335	35158
Dekalb	DKC55-12	30.2	68.6	40.7	59.4	7.5	33.9	3292	34783
Pioneer	35A30	29.2	66.9	38.5	60.4	7.9	35.0	3389	34724
NK	N48-R3	29.3	68.0	38.7	58.2	8.1	34.7	3341	34291
T.A. Seeds	TA557-00F	29.5	65.8	42.3	60.3	8.0	32.0	3300	34075
NK	N48-L4	28.8	66.0	41.6	58.9	8.0	32.9	3283	33087
Doebler's	537RB	28.8	67.3	41.4	57.7	7.7	33.2	3264	32904
Garst	8590GT	29.1	68.7	40.7	55.4	7.2	34.6	3228	32823
LICA	307	28.3	69.7	40.1	57.6	7.7	34.2	3304	32756
Mycogen	F2F566	25.9	70.6	40.9	72.6	8.2	32.5	3596	32526
Dyna-Gro	55P98	28.1	68.5	41.5	58.2	7.3	33.0	3276	32197
Hyland	HL SO67	28.1	70.2	43.1	58.8	7.5	30.8	3246	31909
Hyland	HL SO58	27.8	69.7	42.5	59.0	7.8	31.0	3257	31695
Dekalb	DKC54-46	28.3	68.9	41.3	55.7	8.1	32.3	3191	31620
LICA	1056 S	28.0	69.2	42.1	57.4	7.6	31.8	3231	31575
Doebler's	538BWR	26.9	68.4	41.8	56.0	7.5	32.5	3214	30386
Hytest	HT7567TS	26.3	68.9	40.9	58.6	7.9	33.3	3301	30336
LICA	UFO 1056B	24.3	70.1	41.8	71.7	7.8	31.5	3554	30216
LICA	1094 RR	25.3	69.9	41.9	57.9	7.9	32.0	3255	28792

Aurora, NY, 2006. (Milk2006)(p. 2).									
Hybrid	Brand/ Company	Silage		NDF	30	CP	Starch	Milk2006	Milk2006
		Yield	Moisture		hour			Milk/ton	Milk
		tons @65	%DM		%			lbs/ton	Yield
				106 to 110-d RM					
Asgrow	RX655RR2	31.2	65.9	42.0	56.7	7.4	33.2	3239	35387
Hyttest	HT6601RR	30.0	68.1	42.4	60.2	8.0	31.1	3329	34953
Doebler's	620	30.4	67.7	42.8	57.7	7.8	31.0	3266	34747
Pioneer	34A16	29.0	68.5	40.5	60.7	7.7	33.9	3376	34300
Pioneer	34A86	30.3	66.8	42.6	56.4	7.8	32.8	3232	34197
Check	34B23	29.1	68.8	41.4	59.2	8.1	32.4	3324	33817
Garst	8313CB/LL	29.1	69.7	42.1	58.8	7.5	32.1	3288	33445
Dekalb	DKC57-79	29.3	68.2	40.6	56.2	8.1	33.2	3244	33266
Check	DKC57-79	29.2	68.1	41.4	56.3	7.9	32.7	3230	32993
Dyna-Gro	5324BT	28.3	68.8	41.4	59.0	8.2	32.1	3323	32891
Check	TMF2N602	29.1	69.5	45.1	59.7	7.5	28.7	3217	32759
LICA	1084L	28.8	68.0	44.5	58.4	7.9	29.4	3212	32373
Pioneer	33D13	27.9	69.1	43.8	56.8	7.8	29.9	3158	30821
Check	F2F581	22.4	69.3	41.2	72.4	8.2	32.8	3589	28170
				111 to 115-d RM					
Garst	8380IT	31.2	68.7	40.4	60.5	7.7	33.5	3378	36887
Dyna-Gro	57P12	30.8	69.6	42.6	59.9	7.5	31.3	3278	35308
Pioneer	33H26	30.2	69.8	42.3	60.7	7.5	31.2	3312	34994
Pioneer	34B39	29.4	68.1	41.9	62.5	7.6	32.6	3382	34787
Dekalb	DKC61-68	30.1	69.1	41.7	58.6	8.1	32.3	3290	34681
Laser	L-9H63Bt	30.5	71.6	42.8	58.8	7.8	30.5	3244	34543
Laser	L-9H93Bt	29.7	69.8	41.5	59.1	7.5	32.6	3305	34397
Pioneer	34B24	29.0	69.4	42.2	60.4	7.8	31.8	3337	33899
Dekalb	DKC61-22	28.9	69.6	42.2	57.9	8.1	31.4	3245	32861
T.A. Seeds	TA689-12F	28.9	69.9	45.5	59.4	7.8	28.2	3214	32486
Dyna-Gro	57B47	27.7	68.4	40.8	58.8	7.9	33.7	3345	32350
T.A. Seeds	TA686-03	27.7	68.9	42.0	57.0	7.9	31.9	3269	31677
Grant's	TD-2	30.6	71.4	51.4	57.5	7.6	21.1	2905	31042
Grant's	TD-1	29.7	70.7	52.3	56.4	7.7	20.8	2898	30115
Grant's	TD-3	28.9	69.6	50.6	56.2	7.7	22.2	2927	29682
Mycogen	697	23.6	73.4	43.8	72.1	8.4	28.7	3532	29176
LICA	UFO 1116	21.9	70.9	42.2	69.4	7.8	31.0	3506	26853
LICA	1156 S	23.7	73.2	48.6	61.4	8.1	24.0	3169	26267
	LSD 0.10	2.5	1.0	1.6	2.6	0.3	1.6	81	3162
	Overall Mean	28.1	68.9	42.1	60.3	7.8	31.5	3299	32408

Table 7. Groveland Station, NY, 2006. (Milk2006).

Brand/ Company	Hybrid	Silage		NDF	30 hour		Starch	Milk2006 Milk/ton	Milk2006 Milk Yield lbs/acre
		Yield tons @65	Moisture %DM		dNDF %	CP %DM			
95 to 100-d RM									
Garst	8688RR	31.7	66.6	37.1	57.1	7.8	38.0	3474	38531
Garst	8676IT	32.3	68.8	38.7	54.4	8.1	36.4	3331	37712
Mycogen	TMF2T497	32.2	67.7	43.3	56.7	8.2	31.1	3287	37094
Pioneer	37K84	30.7	64.5	38.0	54.2	8.1	37.1	3363	36166
Doebler's	470RR	30.9	66.5	41.5	56.0	8.2	33.6	3301	35762
Doebler's	468RB	29.5	66.3	36.9	56.7	8.5	39.0	3451	35637
Hyland	HL SO47	29.8	65.0	39.4	56.7	8.3	35.3	3369	35125
Growmark FS	4955XRR	28.5	66.3	37.9	56.6	8.1	37.7	3420	34006
LICA	946LRR	28.9	65.0	40.7	57.8	7.9	35.5	3354	33952
Mycogen	TMF2N422	28.4	64.3	39.8	58.4	7.8	36.1	3408	33911
LICA	964L	28.1	65.3	41.5	57.1	8.5	33.1	3319	32650
Check	38H67	26.9	64.2	38.6	56.4	7.9	37.3	3403	31978
NK	N45-A6	26.3	63.5	37.2	57.2	8.1	38.3	3465	31897
Check	37K 84	26.8	65.0	36.9	53.7	8.1	37.9	3386	31808
Pioneer	38H65	25.8	65.2	37.1	56.1	8.1	38.7	3441	31050
Mycogen	TMF94	24.7	67.4	37.4	59.5	8.6	37.4	3478	30043
Hyland	HL SR42	23.7	66.3	39.4	59.7	8.6	35.5	3425	28478
Hyland	HL SO41	24.1	66.6	39.9	56.7	8.5	34.3	3363	28404
LICA	UFO 996B	18.7	67.9	40.7	70.8	8.1	34.7	3633	23731
101 to 105-d RM									
Garst	8693CB/LL	32.0	67.2	37.9	57.5	7.6	38.0	3447	38602
NK	N48-R3	31.1	68.3	36.5	57.5	8.5	37.1	3462	37761
Dekalb	DKC55-12	31.1	68.5	39.7	59.0	7.9	35.6	3400	36893
LICA	307	30.3	70.0	40.3	57.2	8.1	34.1	3391	35962
Pioneer	35A30	30.0	68.3	38.6	58.4	8.0	36.6	3421	35937
T.A. Seeds	TA557-00F	30.5	67.1	42.3	58.9	8.7	30.8	3346	35717
LICA	1056 S	29.3	69.8	42.0	56.5	8.0	32.0	3322	34004
Doebler's	537RB	28.4	67.1	39.7	55.6	8.0	36.0	3369	33514
Hyland	HL SO58	29.1	69.9	43.7	56.1	8.2	30.6	3255	33171
Garst	8590GT	28.6	68.6	41.1	54.5	7.8	33.8	3287	32891
Dekalb	DKC54-46	27.7	69.7	39.8	55.4	8.2	35.1	3337	32382
NK	N48-L4	27.7	65.0	39.9	54.8	8.4	35.1	3338	32307
Hyland	HL SO67	27.8	70.7	42.6	56.7	8.3	30.3	3277	31902
Hyttest	HT7567TS	26.8	65.9	39.4	56.7	8.0	35.9	3365	31544
Dyna-Gro	55P98	26.3	66.9	40.4	56.8	8.0	36.2	3362	30953
Doebler's	538BWR	26.6	68.9	41.8	55.3	8.2	33.8	3279	30418
LICA	1094 RR	25.3	71.2	40.5	56.0	8.1	34.1	3330	29505
Mycogen	F2F566	23.1	70.5	41.7	71.5	8.5	32.7	3633	29424
LICA	UFO 1056B	22.5	70.6	41.2	70.3	8.3	31.4	3631	28641

Groveland Station, 2006. (Milk2006)(p. 2).

Hybrid	Brand/ Company	Silage		NDF	30 hour		Starch	Milk2006 Milk/ton	Milk2006 Milk Yield
		Yield tons @65	Moisture %DM		dNDF %	CP %DM			
				106 to 110-d RM					
Doebler's	620	33.2	69.0	42.8	56.2	8.2	31.4	3296	38347
Pioneer	34A86	32.5	68.7	41.5	54.9	8.2	33.6	3273	37203
Garst	8313CB/LL	30.4	70.4	39.9	55.4	8.0	34.7	3345	35575
Pioneer	33D13	30.9	70.5	41.8	55.8	8.0	32.8	3272	35357
Check	34B23	29.6	69.2	40.6	57.8	8.5	33.7	3395	35133
Pioneer	34A16	29.0	71.4	41.6	58.2	8.5	32.5	3345	34006
Check	TMF2N602	30.0	71.1	44.7	55.5	8.2	28.3	3199	33552
Check	DKC57-79	28.5	69.3	41.8	55.4	8.0	32.8	3286	32693
Asgrow	RX655RR2	28.2	68.9	41.8	54.6	7.7	33.9	3265	32188
Dekalb	DKC57-79	28.0	70.2	41.5	53.1	8.3	32.9	3221	31635
Dyna-Gro	5324BT	27.1	71.3	42.3	56.4	8.3	31.0	3280	31120
Hyttest	HT6601RR	25.9	71.2	41.9	56.1	8.8	31.0	3272	29637
LICA	1084L	26.3	71.1	45.2	56.2	8.6	28.5	3189	29322
Check	F2F581	21.2	71.1	41.3	72.9	8.8	32.4	3686	27328
				111 to 115-d RM					
Pioneer	34B39	34.6	69.1	40.9	58.2	7.8	33.7	3376	40923
Pioneer	33H26	34.4	71.2	41.4	59.6	7.8	32.0	3384	40674
T.A. Seeds	TA689-12F	34.4	71.3	44.2	59.6	8.6	29.1	3326	40089
Pioneer	34B24	33.3	70.8	42.1	55.7	8.4	32.3	3294	38342
Laser	L-9H93Bt	31.3	71.2	40.4	58.8	8.1	33.1	3395	37184
Grant's	TD-1	35.2	72.6	51.4	55.5	7.8	22.2	2999	36908
Garst	8380IT	30.5	70.7	38.0	58.2	8.4	36.0	3454	36821
Dyna-Gro	57P12	31.2	72.0	41.9	58.0	7.9	32.2	3348	36590
Grant's	TD-2	34.5	73.6	52.1	57.7	7.7	21.2	3007	36436
Dekalb	DKC61-68	30.3	70.5	40.1	54.3	8.4	34.2	3301	35036
Grant's	TD-3	33.8	72.9	50.3	54.0	8.5	22.2	2950	34922
Laser	L-9H63Bt	30.2	73.3	42.5	57.3	8.1	31.3	3304	34864
Dekalb	DKC61-22	29.4	72.2	41.8	55.1	8.4	32.6	3261	33498
T.A. Seeds	TA686-03	28.3	69.6	41.2	56.2	8.5	33.2	3334	33058
Mycogen	F697	24.5	74.0	41.5	69.9	8.7	31.8	3616	30939
LICA	1156 S	27.0	75.0	47.5	58.9	8.7	25.4	3216	30411
Dyna-Gro	57B47	25.6	69.6	39.5	54.9	8.2	35.5	3347	29992
LICA	UFO 1116	21.7	73.2	40.9	68.7	8.5	31.6	3592	27377
	LSD 0.10	2.90	1.10	2.40	2.20	0.30	2.50	98	3662
	Overall Mean	28.8	69.0	41.1	57.8	8.2	33.4	3353	33666

Table 8. Chazy NY, 2006. (Milk2006).

Brand/ Company	Hybrid	Silage Yield	Moisture	NDF	30 hour dNDF	CP	Starch	Milk2006 Milk/ton	Milk2006 Milk Yield
		tons_65	%DM	%DM	%	%DM	%DM	lbs/ton	lbs/acre
75 to 85-d RM									
Hytest	HT7220BT/RR2	23.6	64.7	39.7	57.4	8.0	35.6	3329	27533
Doebler's	377BWR	21.5	64.8	39.9	57.4	7.5	36.6	3287	24703
Hyland	HL SR22	20.1	62.1	39.6	60.7	8.8	34.6	3356	23659
Hytest	HT1707RR	20.5	60.3	41.3	58.0	8.4	34.6	3258	23345
Hyland	HL SO11	19.8	61.5	42.5	59.5	8.5	32.1	3258	22583
T.A. Seeds	TA208-00F	17.5	60.4	41.8	54.1	8.8	32.7	3151	19288
86 to 90-d RM									
Mycogen	TMF2L412	25.7	65.3	41.5	59.1	7.9	33.4	3277	29474
NK	N31-P2	23.9	66.6	43.1	59.0	8.5	30.8	3265	27280
T.A. Seeds	TA310-00F	23.5	65.1	42.8	58.5	8.1	32.3	3255	26766
Pioneer	38R50	22.8	60.4	39.8	56.5	7.6	36.2	3284	26143
Garst	8921YG1/RR	21.8	65.3	38.9	59.6	7.5	37.0	3366	25645
Check	8922	21.7	65.4	39.2	59.0	7.3	36.6	3321	25212
Hyland	HL SO34	21.7	65.9	45.1	59.0	7.7	30.7	3199	24349
NK	N29-A2	19.1	64.1	38.1	61.0	7.6	38.1	3417	22890
Garst	8866RR	20.2	66.1	42.9	56.7	7.6	32.6	3178	22468
91 to 95-d RM									
Doebler's	468RB	26.1	65.3	41.7	55.1	7.8	34.6	3206	29311
NK	N39-Q1	24.2	63.7	38.7	59.3	7.1	38.3	3391	28713
Pioneer	38K46	23.7	62.6	37.6	56.4	7.3	38.9	3335	27734
LICA	946LRR	24.1	65.9	44.0	60.5	7.2	32.2	3272	27537
Hytest	TNT-92CRW/RR2	23.7	68.3	41.8	60.2	8.0	32.9	3311	27506
Chemgro	5434RR	23.3	65.7	42.1	61.1	7.9	32.9	3317	27082
T.. Seeds	TA450-11	22.7	64.7	37.0	57.2	7.8	38.9	3357	26739
Growmark FS	4453XRR	23.1	64.2	41.8	58.9	7.9	34.0	3296	26648
Dekalb	DKC45-82	22.3	65.4	38.0	58.2	7.8	37.8	3334	26075
Mycogen	TMF2R336	22.5	66.3	42.3	58.9	8.1	33.1	3279	25758
Hyland	HL SO41	21.9	65.8	40.7	61.5	8.1	34.1	3338	25536
Dyna-Gro	53P30	21.6	65.3	39.9	56.3	7.5	36.1	3261	24583
Dekalb	DKC41-64	21.3	66.6	39.4	56.9	7.4	37.2	3284	24470
NK	N33-H6	21.6	67.5	42.9	56.8	8.1	31.6	3184	23962
Hyland	HL SR42	19.0	65.9	38.4	63.4	8.0	36.9	3450	23014
Check	4146XRR	19.3	65.2	39.4	57.8	7.4	36.8	3311	22305
LICA	UFO 996B	16.9	69.1	40.9	74.1	7.9	33.2	3607	21289
96 to 100-d RM									
Check	4955XRR	25.2	65.3	40.7	62.5	7.7	34.8	3417	30090
LICA	964L	24.8	65.0	43.6	62.5	7.6	32.0	3297	28620
Check	37K84	23.6	64.1	35.5	58.1	8.0	39.8	3439	28455
Garst	8815CB/LL	23.4	63.7	36.3	57.5	7.3	40.5	3406	27883
Dekalb	DKC48-53	24.4	65.0	39.1	55.7	7.4	37.4	3250	27749
Garst	8744YPL	22.6	66.9	40.0	57.6	7.7	34.9	3295	25995
Check	TMF94	21.8	66.3	41.6	63.1	7.9	33.9	3373	25698
Hytest	HT7435BT/RR2	22.0	67.7	41.1	59.1	7.6	34.4	3295	25407
Check	38H65	20.9	66.0	38.1	57.9	7.6	37.8	3364	24612
LSD 0.10		3.40	2.00	2.60	2.40	0.30	2.70	96	3949
Overall Mean		22.2	65.0	40.6	59.1	7.8	35.1	3314	25710

Table 9. Madrid NY, 2006. (Milk2006).

Brand/ Company	Hybrid	Silage Yield tons_65	Moisture %DM	NDF %DM	30 hour dNDF %	CP %DM	Starch %DM	Milk2006 Milk/ton lbs/ton	Milk2006 Milk Yield lbs/acre
75 to 85-d RM									
Hytest	HT7220BT/RR2	33.5	64.1	39.5	57.2	7.9	35.4	3421	40088
T.A. Seeds	TA208-00F	29.3	60.4	41.0	55.2	8.6	33.8	3302	33919
Doebler's	377BWR	27.9	65.7	39.6	57.5	7.1	36.5	3368	32823
Hyland	HL SO11	27.4	60.7	42.4	57.6	8.4	32.5	3321	31930
Hytest	HT1707RR	26.0	62.0	39.1	56.4	8.8	35.9	3386	30756
Hyland	HL SR22	25.3	62.3	41.1	60.0	8.1	34.0	3396	30033
86 to 90-d RM									
NK	N29-A2	32.3	62.7	37.4	62.8	7.7	39.1	3593	40652
Hyland	HL SO34	33.6	64.2	40.3	60.9	7.9	35.3	3436	40457
Mycogen	TMF2L412	32.4	63.7	38.6	59.7	7.9	36.4	3469	39423
Garst	8921YG1/RR	31.7	66.1	38.2	56.8	7.8	37.5	3410	37829
NK	N31-P2	31.4	66.6	41.5	57.6	8.2	32.5	3339	36631
Pioneer	38R50	30.6	60.1	38.3	55.6	7.7	37.9	3390	36257
Garst	8866RR	30.0	65.5	41.0	56.7	7.8	34.0	3327	34979
T.A. Seeds	TA310-00F	29.7	64.9	41.5	59.0	7.7	33.9	3361	34960
Check	8922	28.2	65.0	38.7	55.1	7.8	37.1	3356	33204
91 to 95-d RM									
LICA	946LRR	33.2	64.4	39.6	59.7	7.6	36.4	3447	40105
Growmark FS	4453XRR	33.1	63.1	43.0	57.5	7.3	33.6	3296	38050
Doebler's	468RB	32.5	65.2	41.1	56.8	7.9	35.1	3333	37960
NK	N39-Q1	32.4	63.9	41.2	55.2	6.9	35.1	3276	37089
T.A. Seeds	TA450-11	31.0	63.2	38.9	56.3	7.7	36.9	3368	36484
Chemgro	5434RR	31.8	64.6	41.8	55.6	7.5	33.8	3277	36408
Hytest	TNT-92CRW/RR2	29.9	66.0	40.9	60.0	7.7	33.8	3405	35673
Dekalb	DKC41-64	29.6	63.8	37.5	56.0	7.8	38.0	3407	35338
NK	N33-H6	30.7	65.3	43.0	57.1	7.6	31.7	3281	35249
Dyna-Gro	53P30	28.8	63.7	38.9	61.3	7.6	37.4	3494	35157
Dekalb	DKC45-82	29.7	67.2	38.2	55.5	7.8	36.9	3373	35139
Mycogen	TMF2R336	29.4	65.9	41.1	58.6	8.1	33.4	3344	34332
Hyland	HL SR42	28.0	65.4	39.2	60.9	7.7	36.6	3462	33977
Pioneer	38K46	27.9	62.6	36.7	57.2	7.5	38.9	3468	33866
LICA	UFO 996B	24.9	67.9	38.2	71.5	7.9	36.3	3698	32151
Check	4146XRR	27.1	65.3	40.2	56.4	7.5	36.4	3341	31703
Hyland	HL SO41	26.4	66.2	40.7	60.0	7.6	34.8	3399	31429
96 to 100-d RM									
Check	4955XRR	32.1	65.5	41.4	56.4	7.7	33.7	3327	37354
Hytest	HT7435BT/RR2	32.1	67.7	43.0	58.9	7.5	31.8	3301	37159
Check	37K84	30.9	63.1	38.8	56.2	7.6	36.4	3393	36702
Garst	8744YPL	30.9	65.1	39.7	57.2	7.8	34.7	3370	36530
LICA	964L	30.3	66.3	41.4	59.8	7.8	33.8	3385	35924
Dekalb	DKC48-53	28.9	65.8	39.1	60.3	7.3	37.3	3436	34840
Check	TMF94	28.7	65.6	40.2	59.2	7.7	35.1	3382	33973
Check	38H65	27.6	64.5	37.5	57.3	7.4	38.4	3460	33367
Garst	8815CB/LL	27.6	65.6	38.2	55.6	7.5	38.0	3404	32820
LSD 0.10		3.30	1.60	2.90	2.30	0.60	2.90	114	4303
Overall Mean		29.9	64.6	39.9	58.2	7.7	35.5	3390	35432