

**Department of Crop and Soil Sciences
Extension Series No. E12-1
November, 2012**

NEW YORK CORN SILAGE HYBRID TESTS – 2012

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Corn silage hybrids were tested at three locations in New York in 2012. We evaluated 85 to 115-day hybrids in relative maturity (RM) at the Aurora Research Farm in Aurora (Cayuga Co.), and at Sparta Farms in Groveland Station (Livingston Co.). We evaluated 85-105 day RM hybrids at Cornell's T&R Center in Harford (Cortland Co.). The Aurora and Groveland Station sites average about 2450 growing degree days (GDD, 86-50° system) from May through September, whereas the Harford site averages about 2100 GDD. Seed companies were invited to enter their hybrids in these tests for a fee.

MATERIALS AND METHODS

We planted all hybrids with a 2-row plot planter at 36,000 plants/acre to achieve harvest populations of 32,000-34,000 plants/acre. The Aurora site was planted on 20 April, the Harford site on 30 April, and the Groveland Station site on 3 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 20-ft. rows spaced 30 inches apart. Each individual plot received about 250 lbs/acre of 10-20-20 at planting. The Aurora site, which followed soybeans, received about 140 lbs N/acre of side-dressed N at the 4 to 5-leaf (V4 to V5) stage. The other two sites were well-manured dairy sites, which were 1 or 2 years removed from perennial forages, so they received no side-dressed N. We used preemergence/postemergence herbicides and hand-weeding to control weeds.

Both rows, trimmed back to an 18-foot length, 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 65% moisture range (plus/minus 3%), but some of the early-season hybrids were drier than planned, despite harvesting the Aurora and Harford sites in August.

The Aurora site was harvested on two dates: 85-99 day RM groups on 22 August when hybrids in the three maturity groups ranged from about 62 to 65% moisture. The 96-115 day RM groups were harvested on 27 August when hybrids in the three maturity groups ranged from about 61 to 64%. We harvested all maturity groups at the Harford site on 30 August when moistures ranged from about 60% for the 84-90 RM group to about 66% for the 101-105 RM group. We harvested the Sparta Farms site in Livingston Co. on 5 September. Moisture ranged from about 60% for the 85-95 RM group and then increase by about 2 percentage points with each 5 day RM increase up to 68% moisture for the 111-115 day RM.

An approximate 10,000 g well-mixed sample was originally collected from the chopper after harvest of each plot. The 10,000 g sample was then ground further in the field with a chipper-shredder. An approximate 700 g sub-sample was then weighed and recorded with a gram-scale wired to a computer in the field and refrigerated in a generator-powered freezer (samples were kept cool but 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.

Dry samples were ground to pass a 1 mm screen using a Wiley mill. 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 (NDFD). The NDF digestibility was calculated as $([1 - \text{NDF residue}/\text{initial NDF}] \times 100)$. Crude protein (CP), starch, ether extract, and ash were determined using NIRS. Milk per ton and milk per acre were then calculated using the Milk2006 spreadsheet program (Tables 2-5). 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.

RESULTS AND DISCUSSION

April and May were relatively dry, which allowed April planting dates at Aurora and Harford and an early May planting date at Sparta Farms (Table 1). Interestingly, the Aurora site received 5 inches of snow 2 days after planting and temperatures did not exceed 50 degrees for the first 8 days after the 20th April planting date. Nevertheless, stand establishment averaged 84 to 88%, resulting in final stands of at least 32,000 plants/acre for all hybrids. June and July were warm months. Also, conditions were exceedingly dry and hot from 20 June until 15 July at all three sites. Most hybrids attained the tasseling/silking stage by 10-15 July at Aurora, and 15-20 July at the Harford and Sparta Farms site. The Aurora site, however, received close to 3 inches of rain during the latter half of July, whereas Sparta Farms and especially Harford remained dry. Consequently, yields were reduced more at Sparta Farms, and especially at the Harford site, compared to the Aurora site. Although August was quite dry at Aurora, the crop had been essentially made by mid-August when drought stress set in so the dry conditions only hastened dry-down with minimum impact on yield.

The dry conditions from 20 June until 15 July coincided with the 10th leaf stage (V10) to R1 or silking stage at all three sites, which reduced secondary wall and lignin formation in the stover during the latter stage of vegetative development. Consequently, most hybrids had high NDFd concentrations. In addition, rains during the second half of July resulted in excellent kernel set throughout the somewhat small ears. The excellent kernel set coupled with moistures in the 60-65% range for most hybrids, resulted in relatively high starch concentrations for most hybrids. When averaged across maturity groups at Aurora, average yields ranged from about 21.5 tons/acre (85-95 day RM) to 23.5 tons/acre (adjusted to 65% moisture) for the 95-99 day hybrids harvested on 22 August (Table 2). Average yields ranged from about 23.5 tons/acre (111-115 day RM) to 25.5 tons/acre for hybrids in the 101-110 RM harvested on 27 August (Table 2). At the Groveland Station site, which has a relatively deep soil with high soil water holding capacity, silage yields ranged from 20 to 22 tons/acre across maturity groups with the highest yields in the 101-110 day RM (Table 3) The Harford site is on a very well-

drained Howard gravelly loam soil and thus is droughty when dry conditions set in. Yields ranged from about 17-18 tons/acre for all RM groups (Table 4).

DEKALB hybrids, **DKC38-03 GENVT2P** and **DKC39-07 GENVT2P**, had high calculated milk yields at the two sites, Aurora and Harford, where they were entered in the **84-90 day RM** (Tables 2 and 4). Equally impressive, **FS 3722VP3** from FS InVISION had high calculated milk yields at all three sites (Tables 2, 3, and 4). The hybrid, **DKC40-22 GENSS** from DEKALB performed exceptionally well at Harford, whereas **TA290-31** from T.A. Seeds performed above-average in 2012, especially at Aurora and Sparta Farms. This was the 5th consecutive year that TA290-11 performed well in the NY Corn Silage Hybrid trials. Also, **RPM 269GRQ** from Doebler's performed well for the second consecutive year. The hybrids, **DKC39-07 GENVT2P**, **DKC40-22 GENSS**, and **FS 3722VT3P** generally had above-average NDFd concentrations, whereas **DKC38-03 GENVT2P** and **RPM 269GRQ** generally had above-average starch concentrations in 2012.

The hybrid, **TA333-22DP** from T.A. Seeds had the highest calculated milk yield at all three sites in the **91-95 day RM** group. Rarely do we observe one hybrid have the highest calculated milk yield at all three testing sites. Other hybrids that performed exceptionally well include **H5084VT3P** and **H5151VT3P** from Hubner. Both hybrids performed well at Aurora and Sparta Farms, the two sites where they were entered. Likewise, **HHG 33B12** from Healthy Herd Genetics performed well at the two sites where it was entered, especially at Harford, as did **DKC43-48 GENVT3P** and **DKC42-72 VT3** from DEKALB. Also, **P9630AM1** from Pioneer had above average calculated milk yield at Aurora and Sparta Farms.

Hybrids that yielded exceptionally well in the **96-100 day RM** group include **HHG 39HF13** from Healthy Herd Genetics, **HiDF3197-7** from Dairyland Seed Co., **197-67VT3P** from Channel, **FS 4811VP3** from FS InVISION, and **DKC46-20-GENVT3P** from DEKALB. The hybrid, **HHG 39HF13** performed exceptionally well at the Aurora and Sparta Farms sites as did **197-67VT3P**. The hybrid, **HiDF3197-7** had the highest

calculated milk yield at both the Aurora and Harford sites, and **FS 4811VP3** from FS InVISION had above-average calculated milk yields at all three sites, especially at Sparta Farms. Also, **RPM 472RR** from Doebler's had above-average calculated milk yield at Aurora and Harford. The hybrids, **HHG 39F13**, **HiDF3197-7**, and **197-67VT3P** generally had above-average NDFd, and **197-67VT3P**, **FS 4811VP3**, and **RPM 472RR** generally had above-average starch concentrations in 2012.

Hybrids that performed exceptionally well in the **101-105 day RM** group in 2012 include **203-43VT3P** from Channel; **FS 5429VP3** from FS InVISION; **HiDF3702-9** from Dairyland ; **D45Q50** from Dyna-Gro; **NK N53W-3000GT** from Syngenta; **H5222VT3P** from Hubner; and **TA545-20** from T.A. Seeds. The hybrid, **203-43VT3P**, had the highest calculated milk yield at Aurora; **TA545-20** had the highest calculated milk yield at Sparta Farms, and **N53W-3000GT** had the highest calculated milk yield at Harford. The hybrid, **HiDF3702-9** performed exceptionally well at Aurora and Harford, whereas **D45Q50** performed exceptionally well at Aurora and Sparta farms, and **FS 5429VP3** performed exceptionally well at Aurora. The hybrids, **TA545-20** and **D45Q50**, generally had above-average NDFd concentrations and **203-43VT3P** and **NK N53W-3000GT** generally had above-average starch concentrations in 2012.

Hybrids that performed exceptionally well in the **106-110 day RM** group in 2012 include **FS 5667GT3** from FS InVISION, **TA583-22DP** from T.A. Seeds, **Garst 85E98-3000GT** from Syngenta , **TA108-00** from T.A. Seeds, **594GRQ** from Doebler's, **DKC58-83 GENVT3P** and **DKC57-50VT3** from DEKALB, **HHG 57C12** from Healthy Herd Genetics, and **P1498AM-R** from Pioneer. The hybrid, **FS 5667GT3**, had the second highest calculated milk yield at both Aurora and Sparta Farms. The hybrid, **TA583-22DP**, had the highest calculated milk yield at Sparta Farms, and **TA108-00** had the highest calculated milk yield at Aurora. The hybrids, **594GRQ** and **P1498AM-R** performed well at Aurora, whereas **Garst 85E98-3000GT** and **HHG 57C12** performed well at Sparta Farms. The hybrids, **FS 5667GT3** and **Garst 85E98-3000GT** had high NDFd and starch concentrations at both sites. The hybrid, **P1498AM-R**, had high NDFd

concentrations, whereas **594GRQ**, **TA583-22DP**, **DKC57-50VT3**, and **209-85VT3P** had high starch concentrations at both sites.

We only had 4 entries in the **111-115 day RM** in 2012, which was surprising because we typically have 12 entries or so. In addition, we have had three consecutive years with above-average growing degree days and late frosts so it was surprising that the entry number in the late-season RM was much lower this year. The hybrid, **214-VT3P** from Channel performed well at both sites in 2012, especially at Aurora. Also, **V5294HXTRNS** from Dyna-Gro performed very well at Aurora. The hybrid, **214-VT3P**, had high starch concentrations at both sites in 2012

CONCLUSION

The 2012 growing season looked bleak until about mid-July when rains finally arrived and reduced or relieved droughty conditions in most regions of NY except perhaps on the gravelly soils in the Southern Tier region and clay soils north of the NYS Thruway in Niagara and Orleans Co. Although grain yields were surprisingly high (3rd highest on record in NY at a projected yield of 135 bushels/acre), silage yields did suffer because of the short-stature of the crop. Nevertheless, the high NDFd and starch concentrations resulted in above-average quality of the silage crop, which softens the blow of reduced yields. The results of this study was probably very representative of yields on silt loam soils in most of the Finger Lakes Region (Aurora) and gravelly loam soils in the Southern Tier (Harford). The results of this study were incorporated into the recommended corn silage tables in our **2013 Cornell Guide for Integrated Field Crop Management**, which will be released at the Cornell Field Crop Dealer Meetings in December of 2012. We only recommend hybrids that have above-average comparative calculated milk yields (>100%) in their hybrid RM group (i.e. 96-100, 101-105 day RM, etc.). We also list the comparative silage yields and milk/ton values for the recommended hybrids. Look for the updated recommended hybrids first in our November 2012 newsletter, **What's Cropping Up?** (at our web site: www.fieldcrops.org) and then in the Cornell Guide. We urge all seed companies to

participate in our corn silage testing program in 2013 so we can provide the best information under New York growing conditions to our New York dairy producers.

Table 1. Monthly and seasonal precipitation and growing degree days (GDD, 86-50 F system) at Aurora, Sparta Farms (Groveland Station), and Cornell's T&R Center (Harford) during the 2011 growing season for the Cornell corn silage hybrid trials.

| Month | Precipitation | | | GDD (86-50 F) | | |
|-----------------|---------------|---------------|--------------|---------------|----------------|-------------|
| | Aurora | Sparta Farms* | Harford | Aurora | Sparta Farms* | Harford |
| | | inches | | | ^o F | |
| May | 3.25 | 2.90 | 3.89 | 430 | 473 | 374 |
| June | 4.09 | 2.64 | 3.32 | 498 | 503 | 434 |
| July | 3.63 | 2.94 | 1.66 | 707 | 713 | 611 |
| August | 1.84 | 2.48 | 3.61 | 620 | 620 | 531 |
| Seasonal | 15.81 | 10.96 | 12.48 | 2255 | 2309 | 1950 |

*Weather from Dansville

Table 2. Silage yield (adjusted to 65% moisture), moisture at harvest, quality characteristics, milk/ton, and calculated milk yields of corn hybrids at the Aurora Research Farm in Cayuga Co. in 2012.

| Brand/Company | Hybrid | Silage | Moisture | NDF | 30 | CP | Starch | Milk2006 | Milk2006 |
|----------------------|------------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|--------------|
| | | Yield | | | hour | | | | |
| | | tons | %DM | %DM | % | %DM | %DM | lbs/ton | lbs/acre |
| | | @65 | | | | | | | |
| 84 to 90-d RM | | | | | | | | | |
| Dekalb | DKC38-03 GENVT2P | 22.4 | 62.2 | 36.3 | 59.5 | 8.4 | 36.0 | 3512 | 27514 |
| Dekalb | DKC39-07 GENVT2P | 22.8 | 62.0 | 37.1 | 61.2 | 8.7 | 34.9 | 3445 | 27482 |
| Doebler's | RPM 278HXR | 22.1 | 60.2 | 35.8 | 58.0 | 8.2 | 39.0 | 3528 | 27222 |
| TA Seeds | TA290-31 | 22.4 | 61.0 | 39.8 | 60.6 | 8.4 | 36.3 | 3450 | 27072 |
| FS InVISION | FS 3722VT3P | 22.7 | 62.7 | 38.3 | 59.9 | 8.6 | 34.3 | 3397 | 27048 |
| Healthy Herd | HHG 28B12 | 21.9 | 62.4 | 42.3 | 65.5 | 8.8 | 32.4 | 3467 | 26572 |
| Doebler's | Doebler 269GRQ | 22.4 | 61.8 | 37.0 | 55.1 | 8.3 | 35.8 | 3365 | 26452 |
| Dairyland Seed | HiDF3290-9 | 21.0 | 64.0 | 36.7 | 61.0 | 8.2 | 35.5 | 3477 | 25627 |
| Doebler's | RPM 357AM1 | 19.4 | 58.9 | 34.2 | 63.2 | 8.9 | 37.5 | 3598 | 24432 |
| Healthy Herd | HHG 26A12 | 20.7 | 59.6 | 41.1 | 61.7 | 9.2 | 30.3 | 3335 | 24238 |
| Dekalb | DKC40-22 GENSS | 19.6 | 63.8 | 38.4 | 64.0 | 8.2 | 34.5 | 3503 | 24096 |
| | Average | 21.6 | 61.7 | 37.9 | 60.9 | 8.5 | 35.1 | 3461 | 26159 |
| 91 to 95-d RM | | | | | | | | | |
| TA Seeds | TA333-22DP | 23.0 | 62.9 | 37.8 | 61.8 | 8.4 | 35.1 | 3512 | 28196 |
| Hubner | H5084VT3P | 23.3 | 62.8 | 38.6 | 60.6 | 8.4 | 34.1 | 3439 | 28006 |
| Hubner | H5151VT3P | 24.1 | 62.2 | 38.0 | 59.7 | 8.6 | 32.5 | 3255 | 27516 |
| Pioneer | P9630AM1 | 22.2 | 64.1 | 38.2 | 60.5 | 8.2 | 36.7 | 3491 | 27101 |
| Doebler's | RPM 437AM1 | 22.0 | 61.5 | 39.4 | 61.3 | 8.2 | 36.0 | 3457 | 26613 |
| Dekalb | DKC42-43 GENVT3P | 21.9 | 63.3 | 39.0 | 60.3 | 8.6 | 35.0 | 3448 | 26490 |
| Dekalb | DKC43-48 GENVT3P | 22.3 | 63.5 | 37.9 | 61.1 | 8.1 | 34.9 | 3385 | 26420 |
| Healthy Herd | HHG 33B12 | 22.1 | 62.4 | 41.5 | 64.7 | 7.7 | 31.7 | 3370 | 26144 |
| Dekalb | DKC42-72 VT3 | 21.2 | 63.1 | 35.7 | 60.1 | 8.7 | 37.4 | 3514 | 26037 |
| Mycogen | F2F387 | 20.2 | 64.2 | 38.2 | 72.3 | 8.6 | 34.3 | 3649 | 25842 |
| TA Seeds | TA095-00 | 20.0 | 62.0 | 36.0 | 63.2 | 8.8 | 38.4 | 3633 | 25490 |
| Mycogen | TMF2L418 | 20.0 | 64.7 | 40.5 | 63.9 | 8.3 | 32.5 | 3424 | 23927 |
| | Average | 21.8 | 63.1 | 38.4 | 62.5 | 8.4 | 34.9 | 3465 | 26482 |
| 96-100-d RM | | | | | | | | | |
| Dairyland Seed | HiDF3197-7 | 25.3 | 63.5 | 38.6 | 62.1 | 8.1 | 35.5 | 3468 | 30682 |
| Channel | 197-67VT3P | 24.3 | 64.8 | 40.0 | 62.5 | 8.3 | 33.9 | 3494 | 29713 |
| Healthy Herd | HHG 39HF13 | 25.3 | 63.0 | 41.8 | 61.5 | 8.2 | 31.0 | 3316 | 29470 |
| Dyna-Gro | D40SS09 | 24.7 | 66.2 | 40.3 | 59.7 | 8.6 | 33.7 | 3389 | 29296 |
| Doebler's | Doebler 459GRQ | 23.9 | 63.4 | 36.7 | 60.9 | 8.1 | 36.5 | 3501 | 29203 |
| FS InVISION | FS 4811VP3 | 24.1 | 63.4 | 38.5 | 59.4 | 7.8 | 34.4 | 3433 | 28982 |
| Doebler's | RPM 472RR | 23.7 | 63.6 | 38.6 | 61.8 | 8.5 | 34.8 | 3477 | 28927 |
| Channel | 200-91VT3P | 24.3 | 66.4 | 40.1 | 61.4 | 7.9 | 32.4 | 3384 | 28825 |
| Dekalb | DKC46-20 GENVT3P | 23.7 | 63.2 | 40.9 | 61.0 | 8.4 | 34.6 | 3399 | 28175 |
| Dairyland Seed | HiDF3396SSX | 22.4 | 63.1 | 38.7 | 63.0 | 8.6 | 34.2 | 3521 | 27567 |
| Pioneer | P0533AM1 | 22.5 | 63.4 | 37.5 | 62.9 | 7.9 | 34.9 | 3472 | 27267 |
| Dekalb | DKC49-94 GENSS | 23.0 | 64.9 | 38.0 | 57.4 | 8.7 | 33.7 | 3369 | 27149 |
| Dyna-Gro | D39QN29 | 22.1 | 65.8 | 40.3 | 62.8 | 9.4 | 31.7 | 3467 | 26749 |
| Doebler's | RPM 468AMX-R | 22.0 | 64.4 | 39.5 | 59.4 | 8.5 | 35.3 | 3431 | 26335 |
| Healthy Herd | HHG 40B12 | 23.6 | 66.1 | 44.7 | 62.6 | 8.3 | 25.9 | 3121 | 25846 |
| Doebler's | Doebler 478SL | 22.6 | 64.3 | 43.2 | 63.6 | 8.2 | 27.7 | 3210 | 25418 |
| TA Seeds | TA477-31 | 21.3 | 66.1 | 40.0 | 59.9 | 8.1 | 32.9 | 3396 | 25365 |
| Dekalb | DKC46-61 GENSS | 20.0 | 65.4 | 37.3 | 60.4 | 8.5 | 36.1 | 3493 | 24436 |
| | Average | 23.3 | 64.5 | 39.7 | 61.2 | 8.3 | 33.3 | 3408 | 27745 |

| Brand/ | | | | | | | | Milk2006 | Milk2006 |
|------------------------|--------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Company | Hybrid | Silage Yield | Moisture | NDF | 30- h NDFD | CP | Starch | Milk/ton | Milk Yield |
| | | tons @65 | %DM | %DM | % | %DM | %DM | lbs/ton | lbs/acre |
| 101-105-d RM | | | | | | | | | |
| Channel | 203-43VT3P | 27.3 | 61.2 | 37.3 | 60.1 | 8.0 | 37.4 | 3537 | 33796 |
| Dairyland Seed | HiDF3702-9 | 27.1 | 59.0 | 37.6 | 61.9 | 7.6 | 37.3 | 3526 | 33399 |
| FS InVISION | FS 5429VP3 | 26.9 | 60.9 | 37.3 | 60.1 | 8.0 | 37.5 | 3504 | 33014 |
| Dyna-Gro | D45Q50 | 26.3 | 63.3 | 38.0 | 61.4 | 7.6 | 35.7 | 3450 | 31748 |
| Hubner | H5222VT3P | 25.9 | 60.4 | 37.6 | 61.7 | 7.4 | 35.8 | 3484 | 31567 |
| Syngenta | NK N53W-3000GT | 25.9 | 62.7 | 39.3 | 62.0 | 7.5 | 35.5 | 3443 | 31215 |
| TA Seeds | TA557-00F | 27.5 | 59.1 | 41.4 | 59.5 | 8.4 | 29.7 | 3234 | 31194 |
| Syngenta | NK N45P-4011 | 25.4 | 59.8 | 38.2 | 60.4 | 8.0 | 36.2 | 3455 | 30717 |
| TA Seeds | TA545-20 | 24.5 | 60.3 | 37.5 | 62.2 | 7.6 | 36.6 | 3471 | 29713 |
| Mycogen | TMF2L533 | 26.1 | 61.2 | 44.6 | 59.3 | 7.6 | 29.4 | 3211 | 29379 |
| Dekalb | DKC53-45 GENSS | 25.0 | 61.2 | 40.8 | 61.2 | 7.8 | 34.1 | 3352 | 29316 |
| Healthy Herd | HHG 41C12 | 25.2 | 60.8 | 43.6 | 62.0 | 8.3 | 31.3 | 3323 | 29310 |
| Syngenta | Garst 87P52-4011 | 24.1 | 59.0 | 37.7 | 59.9 | 7.7 | 36.7 | 3451 | 29085 |
| Pioneer | P0448AMX-R | 24.6 | 62.0 | 39.5 | 56.4 | 7.7 | 34.9 | 3293 | 28381 |
| Dekalb | DKC52-04 GENVT3P | 23.7 | 59.7 | 35.8 | 57.0 | 8.3 | 37.1 | 3410 | 28248 |
| TA Seeds | TA550-20ND | 23.8 | 61.9 | 41.7 | 59.5 | 8.6 | 30.7 | 3283 | 27365 |
| Average | | 25.6 | 60.8 | 39.2 | 60.3 | 7.9 | 34.7 | 3402 | 30465 |
| 106 to 110-d RM | | | | | | | | | |
| TA Seeds | TA108-00 | 27.9 | 63.3 | 41.8 | 59.0 | 7.7 | 34.6 | 3355 | 32786 |
| FS InVISION | FS 5667GT3 | 26.6 | 60.7 | 39.5 | 60.5 | 7.4 | 34.5 | 3418 | 31795 |
| Pioneer | P1498AM-R | 26.9 | 62.9 | 41.6 | 63.2 | 7.8 | 31.2 | 3370 | 31664 |
| Channel | 209-85VT3P | 26.8 | 60.8 | 40.1 | 58.4 | 8.1 | 34.8 | 3354 | 31457 |
| Doebler's | Doebler 594GRQ | 26.2 | 62.8 | 38.8 | 60.7 | 7.6 | 35.4 | 3403 | 31284 |
| Doebler's | RPM 609AM1 | 26.6 | 62.1 | 39.9 | 58.9 | 7.6 | 34.3 | 3354 | 31230 |
| Syngenta | Garst 85E98-3000GT | 26.4 | 61.7 | 38.8 | 61.0 | 7.6 | 34.5 | 3369 | 31199 |
| Channel | 207-13VT3P | 26.5 | 61.9 | 40.9 | 57.9 | 7.7 | 33.1 | 3356 | 31127 |
| Dekalb | DKC57-50 VT3 | 26.0 | 60.1 | 37.1 | 55.9 | 7.5 | 37.1 | 3405 | 30937 |
| Dekalb | DKC58-83 GENVT3P | 25.9 | 60.8 | 38.8 | 60.0 | 7.8 | 34.6 | 3405 | 30877 |
| Healthy Herd | HHG 57C12 | 27.3 | 62.9 | 45.2 | 62.8 | 7.6 | 28.3 | 3219 | 30732 |
| TA Seeds | TA583-22DP | 25.2 | 62.1 | 37.6 | 58.5 | 7.6 | 37.0 | 3436 | 30330 |
| Pioneer | P0210AM-R | 24.9 | 61.4 | 37.2 | 59.0 | 7.4 | 38.4 | 3467 | 30242 |
| Dyna-Gro | D50VN10 | 24.8 | 63.3 | 39.0 | 58.8 | 8.5 | 32.9 | 3402 | 29458 |
| Hubner | H5333VT3P | 23.4 | 62.4 | 37.3 | 62.4 | 7.9 | 36.1 | 3524 | 28878 |
| Dekalb | DKC57-76 GENVT3P | 23.7 | 60.7 | 37.0 | 60.8 | 8.1 | 37.0 | 3471 | 28751 |
| TA Seeds | TA615-16ND | 24.0 | 64.3 | 38.7 | 60.6 | 8.4 | 33.1 | 3418 | 28735 |
| TA Seeds | TA617-20 | 23.0 | 64.4 | 39.1 | 60.2 | 8.1 | 32.7 | 3342 | 26937 |
| Dairyland Seed | HiDF3108Q | 24.0 | 64.6 | 42.8 | 59.1 | 8.1 | 30.1 | 3203 | 26881 |
| Mycogen | TMF2H699 | 22.7 | 64.0 | 44.8 | 62.0 | 8.1 | 28.5 | 3229 | 25658 |
| Average | | 25.4 | 62.3 | 39.8 | 60.0 | 7.8 | 33.9 | 3375 | 30048 |
| 111-114-d RM | | | | | | | | | |
| Channel | 214-14VT3P | 26.2 | 62.3 | 38.6 | 60.6 | 8.7 | 34.3 | 3476 | 31814 |
| Dyna-Gro | V5294HXTRNS | 24.8 | 64.3 | 37.8 | 63.9 | 8.3 | 32.9 | 3436 | 29809 |
| Pioneer | P1376XR | 21.6 | 65.6 | 41.5 | 69.0 | 8.4 | 30.6 | 3497 | 26403 |
| TA Seeds | TA657-13VP | 22.2 | 63.5 | 40.2 | 59.9 | 8.2 | 31.5 | 3322 | 25732 |
| Average | | 23.7 | 63.9 | 39.5 | 63.3 | 8.4 | 32.3 | 3432 | 28439 |
| LSD 0.10 | | 2.57 | 1.54 | 2.70 | 2.92 | 0.40 | 2.88 | 139 | 3468 |
| Overall Mean | | 23.8 | 62.6 | 39.2 | 61.1 | 8.2 | 34.2 | 3418 | 28466 |

Table 3. Silage yield (adjusted to 65% moisture), moisture at harvest, quality characteristics, milk/ton, and calculated milk yields of corn hybrids at Sparta Farms in Livingston Co. in 2012.

| Brand/Company | Hybrid | Silage Yield tons @65 | Moisture %DM | NDF %DM | 30 hour | | CP %DM | Starch %DM | Milk2006 Milk/ton lbs/ton | Milk2006 Milk Yield lbs/acre |
|-----------------------|------------------|--------------------------------|-----------------|-------------|-------------|------------|-------------|---------------|---------------------------------|------------------------------------|
| | | | | | NDFD % | | | | | |
| 84-90-d RM | | | | | | | | | | |
| FS InVISION | FS 3722VT3P | 21.4 | 60.2 | 34.4 | 62.6 | 8.7 | 39.8 | 3648 | 27389 | |
| TA Seeds | TA290-31 | 20.6 | 60.1 | 36.7 | 59.9 | 9.1 | 36.0 | 3470 | 24974 | |
| Dairyland Seed | HiDF3290-9 | 20.4 | 60.7 | 35.5 | 57.2 | 9.1 | 38.0 | 3467 | 24762 | |
| Doebler's | RPM 278HXR | 19.7 | 59.3 | 35.5 | 57.9 | 9.1 | 36.9 | 3430 | 23605 | |
| Doebler's | Doebler 269GRQ | 18.8 | 61.1 | 34.6 | 59.5 | 9.3 | 38.8 | 3534 | 23197 | |
| Doebler's | RPM 357AM1 | 18.0 | 57.3 | 33.4 | 61.7 | 9.1 | 39.5 | 3625 | 22978 | |
| | Average | 19.8 | 59.8 | 35.0 | 59.8 | 9.1 | 38.2 | 3529 | 24484 | |
| 91 to 95-d RM | | | | | | | | | | |
| TA Seeds | TA333-22DP | 22.8 | 60.4 | 34.6 | 59.6 | 8.6 | 39.7 | 3541 | 28318 | |
| Mycogen | TMF2L418 | 23.0 | 62.5 | 35.8 | 60.5 | 9.1 | 37.2 | 3506 | 28215 | |
| Hubner | H5151VT3P | 22.5 | 61.4 | 34.3 | 59.2 | 8.7 | 38.9 | 3534 | 27825 | |
| Hubner | H5084VT3P | 22.6 | 60.0 | 36.7 | 60.3 | 8.5 | 37.8 | 3509 | 27789 | |
| Pioneer | P9630AM1 | 21.6 | 59.8 | 34.7 | 59.1 | 8.4 | 40.6 | 3530 | 26647 | |
| Mycogen | F2F387 | 18.8 | 63.6 | 36.0 | 72.4 | 9.0 | 36.4 | 3742 | 24592 | |
| Doebler's | RPM 437AM1 | 19.8 | 59.6 | 35.1 | 60.7 | 8.9 | 38.7 | 3547 | 24556 | |
| TA Seeds | TA095-00 | 18.6 | 58.4 | 35.1 | 59.4 | 8.9 | 38.8 | 3513 | 22867 | |
| | Average | 21.2 | 60.7 | 35.3 | 61.4 | 8.8 | 38.5 | 3553 | 26351 | |
| 96 to 100-d RM | | | | | | | | | | |
| Healthy Herd | HHG 39HF13 | 25.2 | 61.0 | 36.3 | 63.2 | 8.7 | 37.4 | 3572 | 31564 | |
| FS InVISION | FS 4811VP3 | 23.2 | 61.4 | 35.6 | 59.0 | 9.0 | 37.2 | 3506 | 28517 | |
| Channel | 197-67VT3P | 22.3 | 62.8 | 36.1 | 64.4 | 8.5 | 39.2 | 3601 | 28166 | |
| Healthy Herd | HHG 40B12 | 23.5 | 64.9 | 37.9 | 61.7 | 8.9 | 35.0 | 3403 | 28028 | |
| Doebler's | Doebler 478SL | 22.8 | 63.9 | 39.1 | 60.6 | 9.0 | 34.5 | 3433 | 27325 | |
| Channel | 200-91VT3P | 22.1 | 63.6 | 35.8 | 63.1 | 7.9 | 38.0 | 3530 | 27294 | |
| Dairyland Seed | HiDF3396SSX | 21.8 | 62.9 | 37.0 | 63.1 | 9.4 | 35.0 | 3535 | 27036 | |
| Doebler's | RPM 468AMX-R | 21.2 | 62.0 | 33.8 | 60.9 | 8.5 | 40.3 | 3598 | 26712 | |
| Dyna-Gro | D40SS09 | 21.5 | 64.8 | 34.7 | 60.6 | 8.9 | 38.5 | 3531 | 26620 | |
| Dekalb | DKC46-20 GENVT3P | 21.3 | 61.4 | 35.2 | 61.1 | 8.8 | 37.6 | 3546 | 26378 | |
| Dairyland Seed | HiDF3197-7 | 22.2 | 64.4 | 36.6 | 62.6 | 9.1 | 34.1 | 3389 | 26378 | |
| Pioneer | P0533AM1 | 21.0 | 62.0 | 35.4 | 62.4 | 8.8 | 39.4 | 3567 | 26244 | |
| Doebler's | Doebler 459GRQ | 21.1 | 63.0 | 35.7 | 59.7 | 9.0 | 37.5 | 3490 | 25865 | |
| Doebler's | RPM 472RR | 20.3 | 61.8 | 32.8 | 60.5 | 8.9 | 40.5 | 3596 | 25508 | |
| Dyna-Gro | D39QN29 | 20.1 | 65.7 | 33.9 | 61.9 | 10.4 | 37.9 | 3622 | 25501 | |
| TA Seeds | TA477-31 | 20.2 | 63.3 | 35.3 | 61.3 | 8.9 | 37.0 | 3505 | 24757 | |
| Dekalb | DKC49-94 GENSS | 20.1 | 62.7 | 35.2 | 59.5 | 8.9 | 39.8 | 3501 | 24648 | |
| Dekalb | DKC46-61 GENSS | 19.5 | 63.6 | 33.5 | 61.7 | 8.5 | 40.7 | 3572 | 24409 | |
| TA Seeds | TA481-20ND | 19.1 | 66.7 | 34.1 | 64.3 | 10.5 | 37.0 | 3635 | 24261 | |
| | Average | 21.5 | 63.3 | 35.5 | 61.7 | 9.0 | 37.7 | 3533 | 26590 | |

| Brand/ Company | Hybrid | Silage | | 30 hour | | | Milk2006 | Milk2006 | |
|------------------------|---------------------|----------------------|-----------------|-------------|-------------|-------------|---------------|---------------------|---------------------------|
| | | Yield tons @65 | Moisture %DM | NDF %DM | NDFD % | CP %DM | Starch %DM | Milk/ton lbs/ton | Milk Yield lbs/acre |
| 101-105-d RM | | | | | | | | | |
| TA Seeds | TA545-20 | 23.3 | 62.6 | 33.6 | 63.6 | 8.1 | 40.7 | 3650 | 29808 |
| TA Seeds | TA557-00F | 24.1 | 63.7 | 38.6 | 62.7 | 9.2 | 33.1 | 3392 | 28647 |
| Dyna-Gro | D45Q50 | 22.9 | 65.4 | 35.2 | 63.8 | 8.6 | 37.6 | 3528 | 28243 |
| Healthy Herd | HHG 41C12 | 23.5 | 65.9 | 40.3 | 63.1 | 8.8 | 32.3 | 3382 | 27889 |
| Channel | 203-43VT3P | 21.6 | 63.9 | 33.4 | 63.4 | 8.5 | 41.3 | 3652 | 27636 |
| Hubner | H5222VT3P | 22.3 | 65.4 | 35.8 | 61.8 | 8.2 | 38.6 | 3534 | 27572 |
| FS InVISION | FS 5429VP3 | 22.2 | 67.3 | 35.6 | 62.9 | 9.6 | 35.6 | 3550 | 27567 |
| Syngenta | NK N53W-3000GT | 21.8 | 62.8 | 34.5 | 62.2 | 8.1 | 39.3 | 3607 | 27555 |
| Syngenta | NK N45P-4011 | 22.4 | 62.8 | 34.5 | 60.0 | 8.6 | 38.1 | 3511 | 27550 |
| Mycogen | TMF2L533 | 23.4 | 65.1 | 41.6 | 60.7 | 8.1 | 33.7 | 3358 | 27473 |
| Pioneer | P0448AMX-R | 22.6 | 65.2 | 36.3 | 59.4 | 8.8 | 36.5 | 3471 | 27447 |
| Dairyland Seed | HiDF3702-9 | 22.0 | 62.1 | 36.8 | 63.7 | 7.7 | 40.3 | 3546 | 27325 |
| Dekalb | DKC53-45 GENSS | 21.5 | 65.9 | 34.3 | 63.6 | 8.5 | 39.3 | 3629 | 27297 |
| Syngenta | Garst 87P52-4011 | 21.8 | 63.2 | 34.4 | 59.7 | 8.5 | 40.1 | 3516 | 26883 |
| Dekalb | DKC52-04 GENVT3P | 21.0 | 63.5 | 33.7 | 60.7 | 9.1 | 40.0 | 3601 | 26521 |
| TA Seeds | TA550-20ND | 19.0 | 68.5 | 38.8 | 60.4 | 10.4 | 30.4 | 3360 | 22384 |
| | Average | 22.2 | 64.6 | 36.1 | 62.0 | 8.7 | 37.3 | 3518 | 27362 |
| 106 to 110-d RM | | | | | | | | | |
| TA Seeds | TA583-22DP | 23.2 | 65.2 | 33.4 | 62.3 | 8.8 | 41.0 | 3616 | 29353 |
| FS InVISION | FS 5667GT3 | 23.1 | 63.5 | 33.6 | 63.3 | 8.1 | 40.6 | 3625 | 29240 |
| Mycogen | TMF2H699 | 24.2 | 66.3 | 40.0 | 62.0 | 8.5 | 33.1 | 3410 | 28944 |
| Syngenta | Garst 85E98-3000GT | 22.9 | 65.2 | 32.4 | 63.4 | 8.6 | 39.5 | 3576 | 28651 |
| Hubner | H5333VT3P | 22.5 | 66.6 | 34.9 | 62.7 | 8.9 | 38.9 | 3590 | 28310 |
| Healthy Herd | HHG 57C12 | 23.6 | 67.0 | 39.0 | 64.0 | 8.8 | 32.7 | 3390 | 28013 |
| Dekalb | DKC58-83 GENVT3P | 22.7 | 65.0 | 36.2 | 60.4 | 8.8 | 37.6 | 3518 | 27941 |
| Dyna-Gro | D50VN10 | 22.9 | 67.8 | 35.5 | 57.2 | 9.7 | 36.4 | 3475 | 27881 |
| TA Seeds | TA615-16ND | 22.8 | 68.0 | 36.0 | 61.6 | 9.3 | 34.6 | 3497 | 27876 |
| Doebler's | Doebler 594GRQ | 22.4 | 65.9 | 34.7 | 60.4 | 8.4 | 38.2 | 3521 | 27581 |
| Dekalb | DKC57-50 VT3 | 21.9 | 65.3 | 33.5 | 59.6 | 8.2 | 41.1 | 3582 | 27497 |
| Channel | 207-13VT3P | 23.2 | 65.5 | 39.7 | 59.3 | 8.4 | 35.2 | 3383 | 27419 |
| Dekalb | DKC57-76 GENVT3P | 21.6 | 65.5 | 33.9 | 62.8 | 8.4 | 39.5 | 3621 | 27378 |
| Pioneer | P1498AM-R | 22.4 | 66.8 | 37.7 | 61.5 | 8.7 | 36.7 | 3488 | 27373 |
| TA Seeds | TA108-00 | 22.3 | 67.0 | 37.7 | 59.5 | 8.5 | 36.0 | 3453 | 27005 |
| Channel | 209-85VT3P | 21.9 | 65.9 | 35.4 | 59.5 | 8.9 | 38.6 | 3519 | 26901 |
| Doebler's | RPM 609AM1 | 22.3 | 66.1 | 36.6 | 59.6 | 8.5 | 35.9 | 3435 | 26813 |
| Dairyland Seed | HiDF3108Q | 22.8 | 66.5 | 40.2 | 59.7 | 8.9 | 32.3 | 3311 | 26466 |
| Pioneer | P0210AM-R | 19.2 | 65.3 | 36.2 | 62.8 | 8.8 | 37.6 | 3545 | 23902 |
| TA Seeds | TA617-20 | 19.3 | 68.5 | 41.8 | 59.5 | 9.7 | 28.1 | 3182 | 21534 |
| | Average | 22.4 | 66.1 | 36.4 | 61.1 | 8.7 | 36.7 | 3487 | 27304 |
| 111 to 114-d RM | | | | | | | | | |
| TA Seeds | TA657-13VP | 22.3 | 65.7 | 35.5 | 60.8 | 8.7 | 37.9 | 3560 | 27783 |
| Channel | 214-14VT3P | 21.9 | 67.6 | 35.0 | 60.9 | 9.3 | 37.7 | 3563 | 27252 |
| Pioneer | P1376XR | 20.6 | 69.5 | 35.7 | 63.8 | 9.0 | 35.3 | 3518 | 25297 |
| Dyna-Gro | V5294HXTRNS | 21.0 | 68.6 | 35.4 | 60.0 | 9.8 | 34.9 | 3423 | 25131 |
| | Average | 21.4 | 67.9 | 35.4 | 61.4 | 9.2 | 36.4 | 3516 | 26366 |
| | LSD 0.10 | 1.58 | 1.06 | 2.54 | 2.76 | 0.39 | 2.61 | 113 | 2259 |
| | Overall Mean | 21.7 | 64.0 | 35.8 | 61.4 | 8.8 | 37.4 | 3518 | 26743 |

Table 4. Silage yield (adjusted to 65% moisture), moisture at harvest, quality characteristics, milk/ton, and calculated milk yields of corn hybrids at Cornell's T&R Center in Cortland Co. in 2012.

| Brand/ Company | Hybrid | Silage Yield tons_65 | Moisture %DM | NDF %DM | 30 hour NDFD % | CP %DM | Starch %DM | Milk2006 Milk/ton lbs/ton | Milk2006 Milk Yield lbs/acre |
|---------------------------|------------------|-------------------------------------|-------------------------|--------------------|-------------------------------|-------------------|-----------------------|--|---|
| 84 to 90-d RM | | | | | | | | | |
| Dekalb | DKC40-22 GENSS | 18.9 | 61.7 | 37.2 | 64.5 | 7.9 | 37.2 | 3583 | 23734 |
| FS InVISION | FS 3722VT3P | 18.5 | 60.6 | 36.3 | 64.8 | 7.7 | 38.4 | 3648 | 23575 |
| Dekalb | DKC38-03 GENVT2P | 18.9 | 60.2 | 37.8 | 62.4 | 7.6 | 37.8 | 3528 | 23292 |
| Dekalb | DKC39-07 GENVT2P | 17.3 | 61.6 | 37.9 | 65.2 | 8.0 | 37.2 | 3571 | 21630 |
| Doebler's | Doebler 269GRQ | 17.5 | 60.1 | 37.3 | 60.1 | 7.9 | 37.9 | 3487 | 21319 |
| TA Seeds | TA290-31 | 17.2 | 59.9 | 40.6 | 62.9 | 7.5 | 34.6 | 3497 | 21078 |
| Dairyland Seed | HiDF3290-9 | 16.8 | 59.7 | 37.1 | 59.0 | 7.6 | 39.0 | 3508 | 20621 |
| Doebler's | RPM 278HXR | 16.9 | 58.2 | 37.4 | 59.9 | 7.6 | 38.4 | 3455 | 20415 |
| Doebler's | RPM 357AM1 | 16.0 | 55.2 | 39.4 | 64.8 | 7.8 | 37.3 | 3527 | 19796 |
| Healthy Herd | HHG 28B12 | 16.0 | 62.9 | 45.9 | 65.9 | 7.9 | 29.3 | 3384 | 18946 |
| Healthy Herd | HHG 26A12 | 16.3 | 61.0 | 41.7 | 60.4 | 8.5 | 30.5 | 3299 | 18840 |
| | Average | 17.3 | 60.1 | 39.0 | 62.7 | 7.8 | 36.1 | 3499 | 21204 |
| 91 to 95-d RM | | | | | | | | | |
| TA Seeds | TA333-22DP | 18.7 | 61.9 | 39.4 | 65.2 | 7.8 | 35.6 | 3561 | 23358 |
| Healthy Herd | HHG 33B12 | 18.3 | 62.5 | 40.4 | 66.5 | 7.6 | 34.0 | 3537 | 22615 |
| Dekalb | DKC43-48 GENVT3P | 17.9 | 64.6 | 38.1 | 65.1 | 7.7 | 35.4 | 3574 | 22410 |
| Dekalb | DKC42-43 GENVT3P | 17.6 | 61.0 | 38.8 | 65.1 | 7.6 | 35.8 | 3568 | 21900 |
| Doebler's | RPM 437AM1 | 16.6 | 60.0 | 36.9 | 62.9 | 7.7 | 39.4 | 3580 | 20845 |
| Mycogen | TMF2L418 | 16.8 | 64.5 | 40.6 | 66.0 | 8.3 | 32.0 | 3508 | 20618 |
| Dekalb | DKC42-72 VT3 | 16.6 | 62.0 | 37.5 | 62.2 | 8.0 | 37.7 | 3513 | 20466 |
| Pioneer | P9630AM1 | 15.3 | 62.6 | 36.4 | 64.3 | 8.3 | 38.0 | 3598 | 19269 |
| Mycogen | F2F387 | 15.6 | 65.1 | 41.0 | 74.2 | 8.6 | 29.9 | 3543 | 19265 |
| TA Seeds | TA095-00 | 13.5 | 59.5 | 39.3 | 63.1 | 7.8 | 35.7 | 3482 | 16438 |
| | Average | 16.7 | 62.3 | 38.8 | 65.5 | 7.9 | 35.4 | 3546 | 20718 |
| 96 to 100-d RM | | | | | | | | | |
| Dairyland Seed | HiDF3197-7 | 20.1 | 64.6 | 40.2 | 64.7 | 8.1 | 33.7 | 3499 | 24558 |
| Doebler's | RPM 472RR | 19.5 | 61.9 | 37.5 | 63.4 | 7.8 | 36.9 | 3511 | 23947 |
| Dekalb | DKC46-20 GENVT3P | 19.9 | 63.0 | 39.6 | 64.3 | 7.9 | 33.9 | 3424 | 23915 |
| FS InVISION | FS 4811VP3 | 19.2 | 61.2 | 36.7 | 62.5 | 7.4 | 37.0 | 3520 | 23704 |
| Doebler's | Doebler 459GRQ | 18.3 | 62.3 | 38.6 | 63.9 | 7.7 | 35.3 | 3518 | 22537 |
| Pioneer | P0533AM1 | 17.7 | 62.4 | 36.7 | 65.3 | 8.0 | 37.4 | 3617 | 22448 |
| Dekalb | DKC49-94 GENSS | 18.1 | 63.2 | 37.6 | 62.3 | 8.2 | 36.1 | 3521 | 22309 |
| Healthy Herd | HHG 39HF13 | 18.4 | 65.2 | 40.2 | 62.3 | 7.8 | 33.4 | 3447 | 22212 |
| Dekalb | DKC46-61 GENSS | 17.6 | 64.3 | 36.1 | 64.0 | 7.6 | 38.9 | 3597 | 22162 |
| TA Seeds | TA477-31 | 17.9 | 64.8 | 38.4 | 63.4 | 8.1 | 34.5 | 3502 | 21983 |
| Dairyland Seed | HiDF3396SSX | 17.2 | 64.3 | 37.5 | 65.9 | 8.2 | 36.8 | 3634 | 21872 |
| Doebler's | RPM 468AMX-R | 17.1 | 63.7 | 37.2 | 62.4 | 8.1 | 36.7 | 3559 | 21285 |
| Healthy Herd | HHG 40B12 | 18.1 | 66.2 | 43.8 | 65.2 | 7.6 | 29.3 | 3350 | 21262 |
| Doebler's | Doebler 478SL | 17.0 | 65.3 | 41.1 | 65.2 | 8.7 | 29.4 | 3321 | 19844 |
| TA Seeds | TA481-20ND | 15.8 | 66.3 | 38.2 | 64.9 | 8.5 | 33.4 | 3525 | 19537 |
| | Average | 18.1 | 63.9 | 38.6 | 64.0 | 8.0 | 34.8 | 3503 | 22238 |

| Company | Hybrid | Silage | | | | | Milk2006 | Milk2006 | |
|------------------------|---------------------|----------------------|-----------------|-------------|-------------------------|------------|---------------|---------------------|------------------------|
| | | Yield tons @65 | Moisture %DM | NDF %DM | 30 hour dNDF % | CP %DM | Starch %DM | Milk/ton lbs/ton | Milk Yield lbs/acre |
| 101 to 105-d RM | | | | | | | | | |
| Syngenta | Garst 87P52-4011 | 19.3 | 65.4 | 36.4 | 65.0 | 7.6 | 35.4 | 3461 | 23264 |
| Syngenta | NK N53W-3000GT | 19.3 | 65.6 | 39.6 | 64.5 | 7.3 | 33.7 | 3425 | 23188 |
| Dairyland Seed | HiDF3702-9 | 19.2 | 68.3 | 40.3 | 63.5 | 7.5 | 32.3 | 3383 | 22739 |
| TA Seeds | TA545-20 | 17.4 | 66.2 | 39.2 | 65.8 | 7.5 | 34.4 | 3498 | 21340 |
| Syngenta | NK N45P-4011 | 17.3 | 65.7 | 37.2 | 64.3 | 7.5 | 35.6 | 3476 | 21066 |
| Mycogen | TMF2L533 | 18.2 | 66.5 | 45.0 | 64.4 | 7.2 | 28.9 | 3304 | 21019 |
| Pioneer | P0448AMX-R | 17.8 | 65.8 | 40.3 | 61.6 | 7.8 | 32.3 | 3347 | 20688 |
| Dekalb | DKC52-04 GENVT3P | 16.3 | 63.7 | 37.0 | 63.8 | 7.9 | 36.1 | 3574 | 20385 |
| Dekalb | DKC53-45 GENSS | 16.4 | 66.5 | 38.4 | 67.3 | 7.6 | 35.2 | 3536 | 20352 |
| FS InVISION | FS 5429VP3 | 17.1 | 66.9 | 39.8 | 63.5 | 8.2 | 31.8 | 3386 | 20350 |
| Healthy Herd | HHG 41C12 | 17.0 | 66.1 | 42.8 | 65.9 | 7.9 | 30.8 | 3399 | 20193 |
| TA Seeds | TA557-00F | 16.7 | 64.9 | 40.7 | 65.1 | 8.0 | 31.5 | 3428 | 20115 |
| TA Seeds | TA550-20ND | 16.2 | 67.1 | 40.1 | 64.0 | 8.4 | 31.4 | 3431 | 19434 |
| | Average | 17.6 | 66.0 | 39.8 | 64.5 | 7.7 | 33.0 | 3434 | 21087 |
| 106-111-d RM | | | | | | | | | |
| TA Seeds | TA657-13VP | 14.4 | 67.7 | 43.3 | 62.9 | 7.8 | 29.7 | 3318 | 16734 |
| | LSD 0.10 | 2.35 | 1.96 | 2.43 | 2.38 | 0.5 | 2.61 | 124 | 3034 |
| | Overall Mean | 17.4 | 63.9 | 39.2 | 64.2 | 7.9 | 34.3 | 3476 | 21200 |