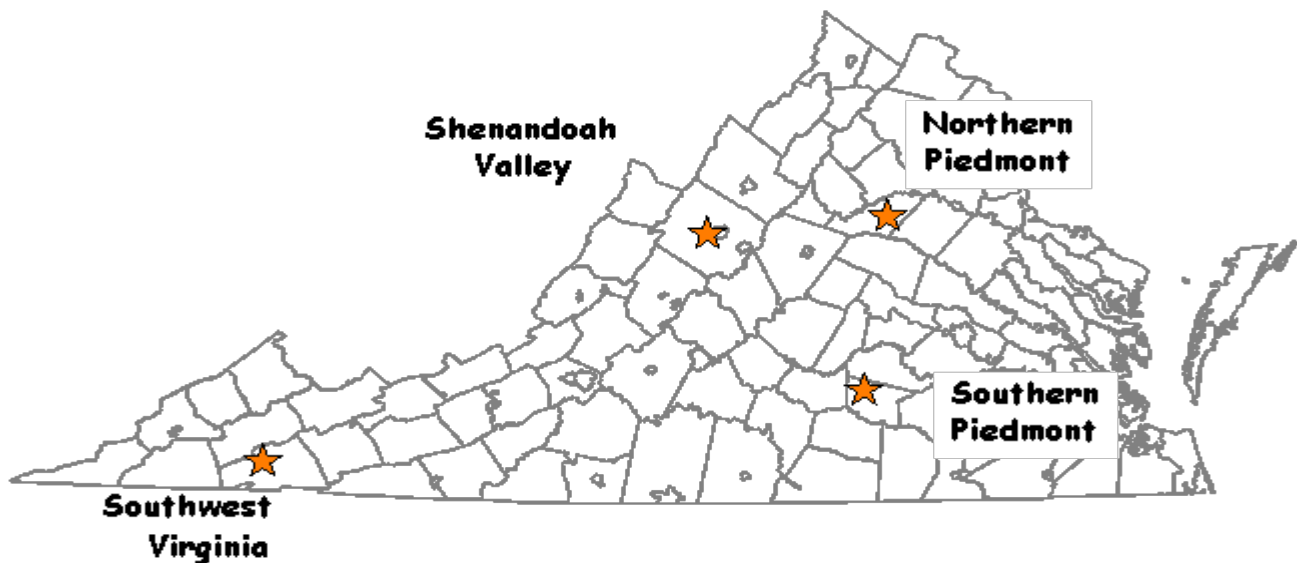


Virginia Tech Corn Silage Testing 2010



THE 2010 VIRGINIA CORN SILAGE HYBRID TRIALS

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THE 2010 VIRGINIA CORN SILAGE HYBRID TRIALS

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Other contributors: Kevin Phillips; Tom Stanley; Dave Starner; Steve Gulick;
Alvin Hood; Chris Teutsch; Ned Jones; Phil Blevins; Johnny Robinson.

COMPANIES PARTICIPATING IN THE 2010 CORN SILAGE TRIALS

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
ChannelBio, LLC	Channel	P.O. Box 157, Kentland, IN 47951
Doebblers PA Hybrids, Inc	RPM	202 Tiadaghton Ave., Jersey Shore, PA 17740
Dow AgroSciences	Mycogen Seeds	9330 Zionsville Rd., Indianapolis, IN 46268
Dyna-Gro Seed	Dyna-Gro	P.O. Box 409, St. Stephens Church, VA 23148
Hubner Seed	Hubner	10280 West SR 28, West Lebanon, IN 47991
King's AgriSeeds	Masters Choice	60-F North Ronks Rd., Ronks, PA 17572
Mid-Atlantic Seeds, Inc	Mid-Atlantic Seeds	204 St. Charles Way #163, York, PA 17402
Monsanto	DEKALB	800 N Lindbergh Blvd., St Louis, MO 63167
Seed Consultants, Inc	Seed Consultants	P.O. Box 370, Washington Courthouse, OH 43160
Southern States Cooperative, Inc	Southern States	6606 West Broad St., Richmond, VA 23260
Syngenta	NK Brand	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds	T.A. Seeds	P.O. Box 300, Avis, PA 17721
Winfield Solutions	Croplan Genetics	2827 8 th Avenue South, Ft. Dodge, IA 50501

NARRATIVE

This report contains the results for performance trials from commercial corn hybrids produced for silage at four locations in Virginia in 2010 as well as two and three year average performance, when available. In order to avoid problems with comparisons over sites and years, multi-year yields are presented as a percentage of the total at that particular site-year combination called relative yield. All locations except the Washington County location were planted with a Wintersteiger PlotKing 2600 planter and harvested with commercial silage equipment. Washington County was planted with an Almaco 2-row cone planter and harvested with commercial silage equipment. Yields are presented on a dry matter and 35% dry matter basis for comparison. All hybrids entered in the Virginia trials were submitted for testing by commercial companies. The locations at which particular hybrids were entered were specified by the company. Companies entering hybrids were charged a fee for each hybrid per location to support the Virginia Corn Silage Performance Trials.

Yield Differences

Experimental plots vary in yield and other measurements due to location in the field and other factors which cannot be controlled. Statistics given in the tables are intended to help the reader make valid comparisons between hybrids. The magnitude of differences due to uncontrollable variation has been

computed for the data and listed at the bottom of columns as the LSD (.10) (least significant difference with 90% confidence). Differences less than the LSD are assumed not to be real differences with 90% confidence.

Hybrid Choices

Multi-year results are more reliable than single-year results.

When making hybrid selections it is important to realize that hybrids differ in their performance under different environments. Some hybrids are more adapted to a wide range of environments. Hybrid performance may differ with year and location variations of rainfall, temperature, pests and other environmental variables. In these experiments, many hybrids have essentially the same yield, and great care should be taken in interpreting the results of a single year's tests, especially at only one location. For these reasons it is important, whenever possible, to also look at a hybrid's average yield across locations when making selections. Multi-year averages give greater confidence to hybrid performance decisions. Relative yield tables compare the yield of a hybrid to the average yield of all hybrids in the test. These tables are an excellent summary of yield potential compared to other hybrids.

Understanding Relative Yield

Companies entering silage hybrids decide which hybrids are planted at which locations. In 2010, some hybrids were planted at all four locations and others at only one or two sites.

Combining and comparing absolute yield and other results from multiple sites is inappropriate when not all hybrids are planted at all locations. For example, one hybrid might have an unfair advantage in such a comparison because it was tested only at sites with ideal growing conditions. Another hybrid tested at sites with less-than-ideal growing conditions would have yields that tended to be lower. In this example, it would be difficult to determine whether yield differences were because of differences in genetic yield potential or simply because of differences in the environmental conditions under which they were tested. The solution is to compare hybrids based on relative yields rather than absolute yields.

To calculate relative yield, the yield for each hybrid at each site is divided by the average yield for all hybrids tested at that same site and multiplied by 100. Once each hybrid at each site has been assigned a relative yield, comparisons can be made between hybrids tested at the same site or different sites. For hybrids tested at multiple sites, we can also calculate a multi-site relative yield average.

Relative yields of 100 indicate hybrids that were average performers. Relative yields greater than 100 indicate yields above-average. Relative yields less than 100 indicate yields below-average. The magnitude of the relative yield numbers indicate how far above or below average a hybrid performed. For example, a hybrid with a relative yield of 110 yielded 10% above the average yield for all hybrids at that site.

Selecting hybrids for both yield and quality.

Milk2006 is used to condense multiple corn silage quality and digestibility factors into one easy-to-compare "milk per ton" number. This system also generates a "milk per acre" rating for each hybrid, calculated by multiplying yield (tons per acre) by quality (lbs of milk per ton). The same problem described above for multi-site yield comparisons exists for yield by quality comparisons: not all hybrids were tested at all sites. Therefore, relative quality and relative yield x quality ratings were calculated.

Milk2006 is a system developed by University of Wisconsin researchers to simplify quality comparisons between corn silage samples. Included in the analysis are variety identification, kernel processing, dry matter, crude protein, NDF, in-vitro NDF digestibility, starch percent and yield per acre. Compared to Milk2000, Milk2006 values more accurately address the effects of fiber digestibility on silage quality. Milk2006 has proven to more accurately reflect actual milk production than earlier versions of the program. Values presented in previous years using Milk2000 have been recalculated using Milk2006 in this publication for the purpose of over-years comparisons.

Milk2006 was designed solely as an index to be used when making quality comparisons between silage samples or hybrids. Milk per ton or milk per acre numbers should not be used to predict actual milk production on your farm. Milk per ton is more accurate at predicting cow performance since it includes quality factors that affect milk production. Milk per acre allows consideration of yield as well as quality factors.

Use other information.

Consider as much other information as possible from other independent sources before selecting hybrids. Look for agronomic as well as silage quality data.

2010 VIRGINIA CORN SILAGE PLOT INFORMATION
(Rates are on a per acre basis.)

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 13, 2010

Harvested: July 20, 2010

Pesticide: 5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 2 qt atrazine 4L April 15, 2010.

Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 12, 2010; 20 gal 20-10-0 + micronutrients at planting; 80 lb N top-dressed using 34-0-0 May 14, 2010.

Plot Size: 2 rows 25' x 30" 4 replications

Soil Type: Durham Sandy Loam

Cooperator: Ned Jones

Orange Northern Piedmont Agricultural Research & Extension Center

Planted: April 30, 2010

Harvested: August 9, 2010

Pesticide: 3 qt Lumax® + 1 qt atrazine pre-plant incorporated April 29, 2010; 5 lb Force 3G® at planting; 0.25 pt 2,4-D + 0.5 pt Banvel May 26, 2010.

Fertilizer: 100-110-90 pre-plant incorporated April 29, 2010; 20 gal 20-10-0 + micronutrients at planting; 100 lb liquid N side-dressed June 14, 2010.

Plot Size: 2 rows 25' x 30" 4 replications

Soil Type: Davidson silty clay loam

Cooperators: Dave Starner, Steve Gulick, and Alvin Hood

Shenandoah Valley (Waynesboro - Thanks to Kevin Phillips at North Point Farm)

Planted: April 29, 2010

Harvested: August 13, 2010

Pesticide: 1 qt Roundup® + 1.8 qt Lumax® + 1 qt Aatrex® + 1 qt Princep® pre-plant + 5 lb Force 3G® at planting.

Fertilizer: 6000 gal liquid dairy slurry pre-plant + 20 gal 20-10-0 + micronutrients at planting; 40 lb N broadcast with chemicals.

Plot Size: 2 rows 35' x 30" 4 replications

Soil Type: Coursey loam

Cooperators: Tom Stanley and Kevin Phillips

Washington County (Thanks to Johnny Robinson)

Planted: May 25, 2010

Harvested: September 21, 2010

Pesticide: burn-down of cover with Roundup® and 2,4-D; 2 qt Lumax®.

Fertilizer: 90 lb N + 205 lb K with NutriSphere preplant; 90 lb N with NutriSphere top-dress.

Plot Size: 2 rows 35' x 30" 4 replications

Soil Type: Wyrick-Marbie

Cooperators: Phil Blevins and Johnny Robinson

Table 1. List of Hybrids in the 2010 VA Tech Corn Silage Hybrid Test					
Brand	Hybrid	IST ¹	GT ²	DTM ³	OBS ⁴
Augusta	A0607GT3	C	CB/GY/GU/RW	107	4
Augusta	A0606CBLL	PH	CB/GU	111	1
Augusta	A5337EVT3	C	CB/GY/RW	111	4
Augusta	A5461GTCBLL	C	CB/GU/GY	111	4
Augusta	A5462GT3	C	CB/GU/GY/RW	112	4
Augusta	A0610HXLLQ	PL	CB/GU	113	4
Augusta	A7664VT3	PL	CB/GY/RW	114	4
Augusta	A6164GT3	C	CB/GU/GY/RW	114	4
Augusta	A7664CB	PL	CB	115	1
Augusta	A6365GT	C	GY	115	4
Augusta	A0715LL	C	GU	115	4
Augusta	A6166GTCBLL	C	CB/GU/GY	116	1
Augusta	A008CBQ	PH	CB	117	2
Augusta	A008VT3	PH	CB/GY/RW	117	2
Augusta	A6867CBLL	C	CB/GU	117	4
Augusta	A9169VT3	PL	CB/GY/RW	119	1
ChannelBio	213-32VT3	PL	CB/GY/RW	113	4
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	4
ChannelBio	216-63VT3	PL	CB/GY/RW	116	4
ChannelBio	218-30VT3P	A	CB/EW/GY/RW	118	4
Croplan Genetics	8505 VT3P	C	CB/GY/RW	118	2
Croplan Genetics	8221 VT3	C	CB/GY/RW	118	2
Croplan Genetics	8756 VT3	C	CB/GY/RW	118	2
DEKALB	DKC59-64(VT3)	PL	CB/GY/RW	109	4
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	4
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	4
DEKALB	DKC64-69(GENV3P)	A	CB/EW/GY/RW	114	4
DEKALB	DKC67-88(GENV3P)	A	CB/EW/GY/RW	117	4
Dyna-Gro	V5294HXTRNS	PL	CB/GU/GY/RW	112	4
Dyna-Gro	57V05	PL	CB/GY/RW	115	4
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	4
Hubner Seed	H5811VT3	PL	CB/GY/RW	115	4
Hubner Seed	H3922RR	PL	GY	116	4
Master's Choice	MCT 583 QUAD	PL	CB/GU/GY/RW	111	2
Master's Choice	MCT 628 GT	PL	GY	115	2
Mid-Atlantic	MA8109VT3Pro	PL	CB/EW/GY/RW	110	4
Mid-Atlantic	MA8129VT3Pro	PL	CB/EW/GY/RW	112	4
Mid-Atlantic	MA8131VT3Pro	PL	CB/EW/GY/RW	113	4
Mid-Atlantic	MA8143VT3	PL	CB/GY/RW	114	4
Mid-Atlantic	MA5158	PL		115	4
Mid-Atlantic	MA8152VT3	PL	CB/GY/RW	115	4
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	4
Mid-Atlantic	MA8153VT3Pro	PL	CB/EW/GY/RW	115	4
Mid-Atlantic	MA5160GT	PL	GY	116	4
Mid-Atlantic	MA8167VT3Pro	PL	CB/EW/GY/RW	116	4
Mid-Atlantic	MA8188RR	PL	GY	118	4

Table 1. List of Hybrids in the 2010 VA Tech Corn Silage Hybrid Test, continued					
Mycogen Seeds	F2F665	C	CB/GU/GY/RW	110	3
Mycogen Seeds	TMF2L831	C	CB/GY/RW	118	4
Mycogen Seeds	TMF2H918	C	CB/GU/GY	123	3
NK Brand	N74R-3000GT Brand	C	CB/GU/GY/RW	113	1
NK Brand	N77H-3000GT Brand	C	CB/GU/GY/RW	115	1
RPM	RPM 728HXR	C	CB/GU/GY	115	4
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	4
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	4
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	4
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	4
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	4
Seed Consultants	SCS 11RR60	C	GY	115	4
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	4
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	4
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	4
Seed Consultants	SCS 1200	C	GY	119	4
Southern States	SS 998HXLLRR2	PH	CB/GU/GY	125	4
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	3
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	3
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	3
¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.					
² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer, RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.					
³ Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.					
⁴ Number of observations hybrid occurred (OBS); the greater the observations, the more reliable the data. Shaded hybrids indicate hybrids entered in less than 3 locations. Hybrids are sorted by Brand then DTM.					

Table 2. Multi-year, Multi-site Relative Ton per Acre (Yield)

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²		
			2010	2009	2010	2009	2010	2009	2010	2009				
			-----Relative Milk per Acre ³ -----											
Dyna-Gro	V5683VT3	116	120 *		124 *			116 *			101		115	4
NK Brand	N74R-3000GT Brand	113	113 *										113	1
Seed Consultants	SCS 11HR70	117	121 *		109			107			110 *		112	4
Croplan Genetics	8756 VT3	118	104 *								117 *		111	2
Augusta	A5462GT3	112	114 *		107			105			115 *		110	4
Southern States	SS 998HXLLRR2	125	96		126 *			109			108 *		110	4
T.A. Seeds	TA780-13V	116	110 *	106	130 *				100	101	105 *		109	6
Dyna-Gro	V5294HXTRNS	112	110 *		105			118 *		97			108	4
Seed Consultants	SCS 11VTT79	117	99	97	120 *			115 *	103	101	118 *		108	7
Augusta	A5461GTCBLL	111	103 *		105			115 *		105 *			107	4
T.A. Seeds	TA778-13V	115	90		117 *					111 *			106	3
Mycogen Seeds	TMF2L831	118	104 *	100	100			105	114 *	103	115 *		106	7
Seed Consultants	SCS 11HQ38	112	107 *	98	101			111	102	102	120 *		106	7
RPM	RPM 728HXR	115	78	135 *	110			95	105 *	103	112 *		105	7
Seed Consultants	SCS 11HR69	116	96	112	106			105	105 *	110 *	103 *		105	7
Augusta	A6867CBLL	117	116 *		73			111		121 *			105	4
Seed Consultants	SCS 11HQ39	113	73	111	136 *			104	105 *	94	108 *		105	7
T.A. Seeds	TA717-20	114	114 *		100					99			104	3
Dyna-Gro	57V05	115	96		93			113 *		113 *			104	4
Mid-Atlantic	MA5158	115	102 *	98	106			102	107 *	109 *			104	6
Mid-Atlantic	MA8188RR	118	91		101			127 *		96			104	4
Croplan Genetics	8505 VT3P	118	108 *							99			104	2
Augusta	A9169VT3	119		100					90	105 *	118 *		103	4
DEKALB	DKC64-69(GENV3P)	114	101 *		90			108		113 *			103	4
Mid-Atlantic	MA8143VT3	114	109 *		111			102		90			103	4
Augusta	A6166GTCBLL	116								103			103	1
Mycogen Seeds	TMF2H918	123	96	97	113				94	105 *	111 *		103	6
Augusta	A6164GT3	114	109 *		106			91		103			102	4
ChannelBio	216-63VT3	116	92		103			109		105 *			102	4
Mid-Atlantic	MA8152VT3	115	119 *	103	101			105	88	94			102	6

Table 2. Multi-year, Multi-site Relative Ton per Acre (Yield), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2010	2009	2010	2009	2010	2009	2010	2009		
-----Relative Milk per Acre ³ -----												
Seed Consultants	SC 11VTT45	114	103 *	108	93		92	112 *	110 *	93	102	7
Mid-Atlantic	MA8167VT3Pro	116	113 *		93		95		105 *		101	4
Seed Consultants	SCS 1200	119	87	100	108		95	112 *	104 *	104 *	101	7
Mid-Atlantic	MA8109VT3Pro	110	112 *		98		95		100		101	4
DEKALB	DKC67-88(GENVT3P)	117	96		110		91		106 *		101	4
Croplan Genetics	8221 VT3	118	105 *	88					96	114 *	101	4
Mid-Atlantic	MA5160GT	116	126 *		93		85		97		100	4
Augusta	A008CBQ	117		107			98	100	96	98 *	100	5
Augusta	A0606CBLL	111	116 *	106				95		80	99	4
Master's Choice	MCT 628 GT	115	108 *		90						99	2
Augusta	A7664CB	115	99								99	1
ChannelBio	218-30VT3P	118	103 *		89		94		110 *		99	4
Seed Consultants	SC 11AQ07	109	102 *		95		115 *		82		98	4
Mid-Atlantic	MA8150VT3	115	98	114	94		91	95	97		98	6
Augusta	A0610HXLLQ	113	107 *	96	98		87	101	98	100 *	98	7
Hubner Seed	H3922RR	116	96		110		94		93		98	4
Augusta	A0607GT3	107	109 *		93		111		78		98	4
DEKALB	DKC61-69(VT3)	111	99		103		104		83		97	4
NK Brand	N77H-3000GT Brand	115	97								97	1
Augusta	A7664VT3	114	93		98		92		105 *		97	4
DEKALB	DKC63-84(VT3)	113	90		103		95		99		97	4
Seed Consultants	SCS 11RR60	115	89		98		89		109 *		96	4
Hubner Seed	H5811VT3	115	109 *		80		96		100		96	4
Mid-Atlantic	MA8131VT3Pro	113	101 *		106		89		89		96	4
Mid-Atlantic	MA8129VT3Pro	112	93		100		95		94		96	4
Mid-Atlantic	MA8153VT3Pro	115	67		92		113 *		110 *		95	4
ChannelBio	213-32VT3	113	84		113		94		90		95	4
Augusta	A5337EVT3	111	106 *		82		91		99		95	4
Augusta	A008VT3	117	88						95		91	2
Seed Consultants	SCS 11HQ00	109	80		98		94		92		91	4
ChannelBio	214-14VT3P	114	73		96		90		101		90	4

Table 2. Multi-year, Multi-site Relative Ton per Acre (Yield), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2010	2009	2010	2009	2010	2009	2010	2009		
			-----Relative Milk per Acre ³ -----									
Master's Choice	MCT 583 QUAD	111	93		83						88	2
Augusta	A6365GT	115	91		78		93			88	88	4
Mycogen Seeds	F2F665	110	113 *		79					68	87	3
DEKALB	DKC59-64(VT3)	109	93		79		88			88	87	4
Augusta	A0715LL	115	81		101		89			68	85	4

¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.

² Hybrids that were tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location.

³ Relative Milk per Acre (yield x quality) calculated by dividing Milk per Acre for each hybrid at each site/year by the average Milk per Acre for that site/year.

Numbers over 100 indicate above-average yield, 100 indicates average yield, numbers under 100 indicate below-average yield.

* Indicates numbers not significantly different from the highest value in that column (i.e. within on LSD of the top performer).

Shading indicates hybrids that were in the highest yielding group in at least three site years.

Table 3. Multi-year, Multi-site Relative Milk per Ton (Quality)

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2010	2009	2010	2009	2010	2009	2010	2009		
-----Relative Milk per Acre ³ -----												
Dyna-Gro	V5294HXTRNS	112	105 *		105 *		106 *		107 *		106	4
Mid-Atlantic	MA8150VT3	115	103 *	104 *	108 *		102	104 *	110 *		105	6
Seed Consultants	SC 11VTT45	114	103 *	104 *	112 *		103 *	100	105 *	109 *	105	7
Augusta	A7664CB	115	105 *								105	1
Dyna-Gro	57V05	115	103 *		103		105 *		109 *		105	4
T.A. Seeds	TA780-13V	116	102 *	106 *	98			105 *	107 *	110 *	105	6
Augusta	A008CBQ	117		99			105 *	104 *	111 *	104 *	104	5
Mycogen Seeds	F2F665	110	107 *		110 *				96		104	3
Seed Consultants	SCS 11HQ39	113	100	102 *	107 *		105 *	102 *	108 *	101	104	7
Augusta	A6867CBLL	117	102		103		105 *		104		104	4
Seed Consultants	SCS 11RR60	115	105 *		102		103 *		103		103	4
Croplan Genetics	8221 VT3	118	98	101 *					106 *	106 *	103	4
Hubner Seed	H5811VT3	115	100		106 *		99		105 *		103	4
Master's Choice	MCT 583 QUAD	111	102 *		102						102	2
Seed Consultants	SCS 11VTT79	117	101	100	105 *		100	100	102	107 *	102	7
Mid-Atlantic	MA8188RR	118	97		103		102		107 *		102	4
Augusta	A0610HLLQ	113	98	103 *	107 *		105 *	100	99	101	102	7
Augusta	A6166GTCBLL	116							102		102	1
Seed Consultants	SCS 11HQ38	112	101	102 *	100		101	99	106 *	103	102	7
Augusta	A7664VT3	114	100		103		100		103		102	4
Augusta	A008VT3	117	101						102		102	2
Augusta	A0607GT3	107	103 *		102		103 *		98		101	4
Mid-Atlantic	MA5158	115	101	102 *	98		100	102 *	106 *		101	6
ChannelBio	216-63VT3	116	102 *		99		98		106 *		101	4
DEKALB	DKC64-69(GENVT3P)	114	99		103		105 *		98		101	4
T.A. Seeds	TA717-20	114	104 *		102				97		101	3
DEKALB	DKC63-84(VT3)	113	104 *		100		100		100		101	4
NK Brand	N74R-3000GT Brand	113	101								101	1
Seed Consultants	SCS 11HR70	117	104 *		95		99		104		101	4
Seed Consultants	SC 11AQ07	109	100		100		102		101		101	4

Table 3. Multi-year, Multi-site Relative Milk per Ton (Quality), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2010	2009	2010	2009	2010	2009	2010	2009		
-----Relative Milk per Acre ³ -----												
Augusta	A0606CBLL	111	104 *	101 *			103 *		94		100	4
Seed Consultants	SCS 11HQ00	109	103 *		97		98		103		100	4
DEKALB	DKC61-69(VT3)	111	101		105 *		101		93		100	4
Augusta	A5461GTCBLL	111	102 *		101		99		97		100	4
Mycogen Seeds	TMF2L831	118	98	98	103		102	99	95	103	100	7
Dyna-Gro	V5683VT3	116	99		101		99		100		100	4
RPM	RPM 728HXR	115	99	99	102		99	99	102	98	100	7
Augusta	A5462GT3	112	101		99		103 *		95		99	4
Mid-Atlantic	MA8143VT3	114	100		101		95		102		99	4
Mid-Atlantic	MA5160GT	116	98		94		99		105 *		99	4
T.A. Seeds	TA778-13V	115	101		101				95		99	3
Mid-Atlantic	MA8152VT3	115	101	93	97		104 *	102 *	97		99	6
Seed Consultants	SCS 11HR69	116	98	100	98		96	101	103	97	99	7
Mid-Atlantic	MA8109VT3Pro	110	97		100		96		101		99	4
Seed Consultants	SCS 1200	119	98	99	95		98	103 *	97	99	98	7
ChannelBio	213-32VT3	113	96		102		98		98		98	4
Mid-Atlantic	MA8129VT3Pro	112	101		94		101		98		98	4
NK Brand	N77H-3000GT Brand	115	98								98	1
Mid-Atlantic	MA8167VT3Pro	116	97		102		96		97		98	4
Master's Choice	MCT 628 GT	115	101		95						98	2
Southern States	SS 998HXLLRR2	125	96		90		101		104		98	4
DEKALB	DKC67-88(GENVT3P)	117	99		96		98		96		97	4
Mid-Atlantic	MA8153VT3Pro	115	99		100		99		92		97	4
Hubner Seed	H3922RR	116	89		102		101		97		97	4
Augusta	A6164GT3	114	101		91		100		96		97	4
ChannelBio	214-14VT3P	114	101		95		96		95		97	4
Mycogen Seeds	TMF2H918	123	93	96	88			97	105 *	102	97	6
Croplan Genetics	8505 VT3P	118	100						93		97	2
Augusta	A5337EVT3	111	99		98		97		92		96	4
Augusta	A6365GT	115	98		94		94		97		96	4
ChannelBio	218-30VT3P	118	94		99		98		92		96	4

Table 3. Multi-year, Multi-site Relative Milk per Ton (Quality), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²		
			2010	2009	2010	2009	2010	2009	2010	2009				
			-----Relative Milk per Acre ³ -----											
DEKALB	DKC59-64(VT3)	109	98		95			92			98		96	4
Mid-Atlantic	MA8131VT3Pro	113	95		91			97			98		95	4
Augusta	A0715LL	115	99		98			95			88		95	4
Augusta	A9169VT3	119							98		92	91	94	4
Croplan Genetics	8756 VT3	118	91								89		90	2
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.														
² Hybrids that were tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location.														
³ Relative Milk per Acre (yield x quality) calculated by dividing Milk per Acre for each hybrid at each site/year by the average Milk per Acre for that site/year.														
Numbers over 100 indicate above-average yield, 100 indicates average yield, numbers under 100 indicate below-average yield.														
* Indicates numbers not significantly different from the highest value in that column (i.e. within on LSD of the top performer).														
Shading indicates hybrids that were in the highest yielding group in at least three site years.														

Table 4. Multi-year, Multi-site Relative Milk per Acre (Yield X Quality)

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont	Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²					
			2010	2009	2010	2010	2009	2010	2009							
			-----Relative Milk per Acre ³ -----													
Dyna-Gro	V5683VT3	116	119	*	125	115	*	101		115	4					
Dyna-Gro	V5294HXTRNS	112	117	*	111	126	*	104		115	4					
NK Brand	N74R-3000GT Brand	113	114	*						114	1					
T.A. Seeds	TA780-13V	116	112	*	113	*	128	*	105	*	108	115	*	114	6	
Seed Consultants	SCS 11HR70	117	126	*		103	107		115	*				113	4	
Seed Consultants	SCS 11VTT79	117	100	*	97	126	*	116	*	103	102	126	*	110	7	
Augusta	A5462GT3	112	116	*		107	107		109	*				110	4	
Augusta	A6867CBLL	117	118	*		75	116	*	126	*				109	4	
Dyna-Gro	57V05	115	98			96	119	*	123	*				109	4	
Seed Consultants	SCS 11HQ39	113	74		114	*	146	*	109	108	*	102	110	*	109	7
Seed Consultants	SCS 11HQ38	112	108	*	100		102		112	101		108	123	*	107	7
Augusta	A5461GTCBLL	111	106	*		107	113	*	102					107	4	
Southern States	SS 998HXLLRR2	125	91			112	110		113	*				107	4	
Seed Consultants	SC 11VTT45	114	105	*	113	*	104	94	112	*	115	*	102	107	7	
Mid-Atlantic	MA8188RR	118	88			105	130	*	102					106	4	
Mycogen Seeds	TMF2L831	118	101	*	98	103	107	113	*	98	118	*		106	7	
Mid-Atlantic	MA5158	115	102	*	100	104	101	110	*	115	*			105	6	
T.A. Seeds	TA717-20	114	118	*		103			96					105	3	
T.A. Seeds	TA778-13V	115	91			119			105					105	3	
RPM	RPM 728HXR	115	79		132	*	112	93	103	106	110	*		105	7	
Augusta	A6166GTCBLL	116							105					105	1	
DEKALB	DKC64-69(GENVT3P)	114	101	*		92	113	*	111	*				104	4	
Seed Consultants	SCS 11HR69	116	94		112	*	105	100	106	*	112	*	100	104	7	
Augusta	A008CBQ	117			106		102	104	106	102				104	5	
Croplan Genetics	8221 VT3	118	103	*	89				102	121	*			104	4	
Mid-Atlantic	MA8150VT3	115	100	*	120	*	102	93	98	106				103	6	
Augusta	A7664CB	115	103	*										103	1	
ChannelBio	216-63VT3	116	92			102	106		111	*				103	4	
Mid-Atlantic	MA8143VT3	114	108	*		110	97		91					102	4	

Table 4. Multi-year, Multi-site Relative Milk per Acre (Yield X Quality), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont	Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²	
			2010	2009	2010	2010	2009	2010	2009			
			-----Relative Milk per Acre ³ -----									
Mid-Atlantic	MA8152VT3	115	121	*	96	98	109	90	91		101	6
Croplan Genetics	8505 VT3P	118	108	*					93		100	2
Augusta	A0606CBLL	111	120	*	108			98		75	100	4
Seed Consultants	SCS 1200	119	84		100	103	93	115	*	102	103	7
Augusta	A0610HXLLQ	113	104	*	98	104	91	101		97	101	7
Mid-Atlantic	MA8167VT3Pro	116	109	*		95	92			102		4
Croplan Genetics	8756 VT3	118	95							104		2
Augusta	A0607GT3	107	112	*		95	113	*		77		4
Seed Consultants	SCS 11RR60	115	92			101	91			113	*	4
Seed Consultants	SC 11AQ07	109	102	*		95	117	*		82		4
Mid-Atlantic	MA5160GT	116	124	*		87	84			101		4
Mid-Atlantic	MA8109VT3Pro	110	109	*		97	91			99		4
Mycogen Seeds	TMF2H918	123	88		93	99		91		109	* 113 *	6
Augusta	A6164GT3	114	109	*		97	91			98		4
Hubner Seed	H5811VT3	115	109	*		85	95			105		4
Augusta	A7664VT3	114	92			101	92			108		4
DEKALB	DKC67-88(GENV3P)	117	95			105	89			102		4
DEKALB	DKC63-84(VT3)	113	94			102	95			99		4
DEKALB	DKC61-69(VT3)	111	101	*		108	106			76		4
Master's Choice	MCT 628 GT	115	109	*		85						2
Augusta	A9169VT3	119			94			88		96	108 *	4
Hubner Seed	H3922RR	116	85			112	95			89		4
NK Brand	N77H-3000GT Brand	115	95									1
ChannelBio	218-30VT3P	118	98			89	92			101		4
ChannelBio	213-32VT3	113	80			115	92			88		4
Mid-Atlantic	MA8129VT3Pro	112	94			94	95			92		4
Augusta	A008VT3	117	89							97		2
Mid-Atlantic	MA8153VT3Pro	115	66			92	111			101		4
Mycogen Seeds	F2F665	110	121	*		87				67		3
Augusta	A5337EVT3	111	106	*		81	88			91		4
Mid-Atlantic	MA8131VT3Pro	113	96			96	86			87		4

Table 4. Multi-year, Multi-site Relative Milk per Acre (Yield X Quality), continued											
Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont	Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2010	2009	2010	2010	2009	2010	2009		
-----Relative Milk per Acre ³ -----											
Seed Consultants	SCS 11HQ00	109	82		94	92		95		91	4
Master's Choice	MCT 583 QUAD	111	95		86					90	2
ChannelBio	214-14VT3P	114	74		92	86		95		87	4
Augusta	A6365GT	115	90		73	87		85		84	4
DEKALB	DKC59-64(VT3)	109	91		74	81		85		83	4
Augusta	A0715LL	115	80		99	84		60		81	4

¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.

² Hybrids that were tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location.

³ Relative Milk per Acre (yield x quality) calculated by dividing Milk per Acre for each hybrid at each site/year by the average Milk per Acre for that site/year.

Numbers over 100 indicate above-average yield, 100 indicates average yield, numbers under 100 indicate below-average yield.

* Indicates numbers not significantly different from the highest value in that column (i.e. within on LSD of the top performer).

Shading indicates hybrids that were in the highest yielding group in at least three site years.

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006						
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre					
Seed Consultants	SCS 11HR70	117	27.88	19.35	*	6.77	*	8.13	31.34	56.73	61.25	0.65	*	65.33	*	2934	*	19907	*
Mid-Atlantic	MA5160GT	116	28.14	20.04	*	7.02	*	8.74	33.82	61.17	61.18	0.63		64.13		2781		19569	*
Mycogen Seeds	F2F665	110	26.76	18.07	*	6.32	*	8.60	32.98	60.70	68.53	*	0.64	64.54		3031	*	19228	*
Mid-Atlantic	MA8152VT3	115	26.79	18.92	*	6.62	*	8.38	32.41	57.67	60.02	0.64	*	64.81		2865		19084	*
Augusta	A0606CBLL	111	28.76	18.49	*	6.47	*	7.70	30.33	55.33	59.50	0.65	*	65.81	*	2928	*	18932	*
Dyna-Gro	V5683VT3	116	26.64	19.13	*	6.70	*	8.32	34.97	63.43	63.98	0.63		63.58		2808		18818	*
Augusta	A6867CBLL	117	29.42	18.55	*	6.49	*	8.79	31.85	58.42	61.15	0.64	*	65.08	*	2873		18701	*
T.A. Seeds	TA717-20	114	28.68	18.11	*	6.34	*	8.74	30.28	56.10	61.00	0.65	*	65.84	*	2943	*	18646	*
Dyna-Gro	V5294HXTRNS	112	26.44	17.57	*	6.15	*	9.25	29.77	55.16	61.38	0.65	*	66.08	*	2981	*	18536	*
Augusta	A5462GT3	112	28.47	18.20	*	6.37	*	7.64	31.84	58.02	60.24	0.64	*	65.09	*	2865		18331	*
NK Brand	N74R-3000GT Brand	113	25.48	18.06	*	6.32	*	7.74	33.46	58.23	59.91	0.63		64.31		2846		18033	*
T.A. Seeds	TA780-13V	116	25.44	17.55	*	6.14	*	8.52	32.84	58.31	61.29	0.64		64.60		2885	*	17786	*
Augusta	A0607GT3	107	28.07	17.38	*	6.08	*	8.33	30.61	55.98	59.53	0.65	*	65.68	*	2906	*	17711	*
Augusta	A6164GT3	114	27.68	17.42	*	6.10	*	8.74	31.70	59.23	60.97	0.64	*	65.15	*	2844		17320	*
Mid-Atlantic	MA8167VT3Pro	116	28.24	17.95	*	6.28	*	7.75	35.15	62.50	60.90	0.63		63.49		2741		17295	*
Hubner Seed	H5811VT3	115	24.59	17.35	*	6.07	*	8.38	34.41	61.76	63.23	0.63		63.85		2835		17230	*
Mid-Atlantic	MA8109VT3Pro	110	26.97	17.93	*	6.28	*	8.47	32.80	60.41	59.27	0.64		64.63		2755		17228	*
Master's Choice	MCT 628 GT	115	30.64	17.19	*	6.02	*	7.67	31.39	57.59	59.90	0.65	*	65.30	*	2859		17174	*
Croplan Genetics	8505 VT3P	118	27.85	16.05	*	5.62	*	8.19	33.64	59.90	60.97	0.63		64.22		2824		17115	*
Mid-Atlantic	MA8143VT3	114	27.84	17.31	*	6.06	*	8.67	30.85	56.11	57.14	0.65	*	65.56	*	2831		17104	*
Seed Consultants	SCS 11HQ38	112	27.89	17.09	*	5.98	*	8.31	32.75	58.01	59.65	0.64		64.65		2844		17029	*
Augusta	A5337EV/T3	111	24.49	16.91	*	5.92	*	8.48	34.69	62.29	63.03	0.63		63.72		2813		16733	*
Augusta	A5461GTCBLL	111	25.98	16.45	*	5.76	*	8.28	31.79	57.96	61.26	0.64	*	65.11	*	2892	*	16716	*
Seed Consultants	SC 11VTT45	114	24.68	16.38	*	5.73	*	8.25	33.99	60.20	64.01	0.63		64.05		2911	*	16696	*
Augusta	A0610HXLLQ	113	25.58	17.01	*	5.95	*	8.82	33.88	62.37	61.79	0.63		64.10		2770		16527	*
Croplan Genetics	8221 VT3	118	23.90	16.69	*	5.84	*	8.18	34.39	60.38	60.22	0.63		63.86		2784		16341	*
Augusta	A7664CB	115	24.18	15.79		5.53		9.00	30.57	55.88	61.65	0.65	*	65.69	*	2966	*	16310	*
Seed Consultants	SC 11AQ07	109	26.78	16.22	*	5.68	*	8.20	31.99	58.23	59.50	0.64	*	65.02	*	2835		16215	*
Mid-Atlantic	MA5158	115	26.03	16.28	*	5.70	*	8.18	33.09	59.53	61.34	0.64		64.48		2847		16174	*
Mycogen Seeds	TMF2L831	118	26.10	16.60	*	5.81	*	8.38	36.05	64.49	63.77	0.62		63.06		2769		16054	*
DEKALB	DKC64-69(GENV T3P)	114	26.59	16.17	*	5.66	*	8.42	31.76	58.48	58.67	0.64	*	65.13	*	2798		15970	*
DEKALB	DKC61-69(VT3)	111	27.06	15.80		5.53		9.24	30.67	56.08	58.12	0.65	*	65.65	*	2858		15926	*
Mid-Atlantic	MA8150VT3	115	25.45	15.63		5.47		8.02	33.73	60.00	63.48	0.63		64.18		2899	*	15870	*
Seed Consultants	SCS 11VTT79	117	26.73	15.79		5.53		8.88	31.64	57.08	59.20	0.64	*	65.18	*	2855		15860	*

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Dyna-Gro	57V05	115	24.34	15.38	5.38	7.95	34.14	60.20	64.18	0.63	63.98	2898	* 15552
ChannelBio	218-30VT3P	118	27.53	16.47	* 5.76	* 7.56	37.04	* 66.31	61.81	0.62	62.58	2655	15445
Mid-Atlantic	MA8131VT3Pro	113	28.76	16.16	* 5.66	* 8.32	34.24	62.80	59.37	0.63	63.93	2682	15154
Croplan Genetics	8756 VT3	118	23.44	16.60	* 5.81	* 7.78	38.80	* 70.12	* 62.99	0.61	61.74	2576	15030
Master's Choice	MCT 583 QUAD	111	27.95	14.82	5.19	8.53	30.56	55.73	58.80	0.65	* 65.70	* 2892	* 15029
DEKALB	DKC67-88(GENV T3P)	117	25.89	15.36	5.38	8.19	35.02	62.13	62.01	0.63	63.56	2787	15026
NK Brand	N77H-3000GT Brand	115	27.51	15.49	5.42	8.11	32.70	59.71	59.06	0.64	64.67	2773	15014
DEKALB	DKC63-84(VT3)	113	29.63	14.36	5.03	8.52	29.41	55.03	59.52	0.66	* 66.26	* 2931	* 14915
Mid-Atlantic	MA8129VT3Pro	112	26.94	14.85	5.20	8.63	31.54	58.29	60.21	0.64	* 65.23	* 2849	14834
Seed Consultants	SCS 11HR69	116	27.86	15.32	5.36	7.95	33.83	60.36	59.55	0.63	64.13	2767	14825
Augusta	A7664VT3	114	23.81	14.76	5.17	8.92	* 33.03	59.84	61.39	0.64	64.52	2835	14594
Seed Consultants	SCS 11RR60	115	28.08	14.11	4.94	8.24	30.59	55.92	61.48	0.65	* 65.69	* 2963	* 14593
ChannelBio	216-63VT3	116	27.56	14.64	5.12	8.46	29.68	54.40	57.51	0.65	* 66.13	* 2896	* 14532
Southern States	SS 998HXLLRR2	125	24.33	15.25	5.34	8.61	35.55	64.78	62.45	0.62	63.30	2718	14470
T.A. Seeds	TA778-13V	115	25.50	14.27	4.99	8.31	33.46	60.07	62.57	0.63	64.31	2869	14465
DEKALB	DKC59-64(VT3)	109	27.10	14.85	5.20	8.24	33.23	59.87	58.81	0.64	64.42	2760	14384
Augusta	A6365GT	115	26.89	14.54	5.09	8.76	* 32.29	59.76	59.13	0.64	* 64.87	* 2771	14186
Augusta	A008VT3	117	23.29	14.01	4.90	8.47	33.02	58.73	61.30	0.64	64.52	2870	14044
Mycogen Seeds	TMF2H918	123	24.20	15.28	5.35	8.19	37.38	* 67.31	* 61.83	0.61	62.42	2621	13967
Mid-Atlantic	MA8188RR	118	24.52	14.48	5.07	7.96	36.12	63.73	61.82	0.62	63.03	2734	13899
Hubner Seed	H3922RR	116	24.60	15.34	5.37	8.10	40.00	* 71.01	* 61.76	0.60	61.16	2504	13435
Seed Consultants	SCS 1200	119	27.47	13.80	4.83	7.88	33.62	60.49	59.68	0.63	64.23	2767	13220
Seed Consultants	SCS 11HQ00	109	27.46	12.72	4.45	8.57	32.67	59.18	62.87	0.64	64.69	2903	* 12940
ChannelBio	213-32VT3	113	26.55	13.43	4.70	8.32	33.86	60.39	57.76	0.63	64.11	2711	12721
Augusta	A0715LL	115	29.31	12.94	4.53	8.07	33.66	60.65	60.74	0.63	64.21	2795	12651
RPM	RPM 728HXR	115	26.14	12.50	4.37	8.44	33.58	60.63	61.18	0.63	64.25	2808	12464
ChannelBio	214-14VT3P	114	25.54	11.65	4.08	9.42	* 30.83	57.02	59.45	0.65	* 65.57	* 2863	11779
Seed Consultants	SCS 11HQ39	113	24.84	11.66	4.08	9.38	* 33.53	60.80	62.14	0.63	64.27	2829	11644
Mid-Atlantic	MA8153VT3Pro	115	24.03	10.69	3.74	8.75	* 35.98	64.55	65.90	0.62	63.10	2809	10451
	Site Average		26.58	15.94	5.58	8.38	33.10	59.85	61.04	0.64	64.48	2828	15829
	LSD (0.10)		2.68	4.06	1.42	0.78	3.00	4.61	2.09	0.02	1.44	146	4256
	C.V.		8.17	20.65	20.65	7.57	7.33	6.23	2.77	1.95	1.81	4	22

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 6. Two-Year Average Corn Silage Test Results (2009 & 2010) at the Shenandoah Valley Site																				
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006							
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre						
Augusta	A06-06CBLL	111	31.55	20.94	*	7.33	*	6.65	31.59	55.32	57.77	0.64	*	65.95	*	2903	*	21313	*	
Seed Consultants	SC 11VTT45	114	30.31	20.69	*	7.24	*	6.90	32.77	55.96	60.16	0.64	*	65.77	*	2936	*	21286	*	
Mid-Atlantic	MA8150VT3	115	29.16	20.46	*	7.16	*	6.86	32.54	56.49	61.00	*	0.64	*	65.62	*	2928	*	21071	*
T.A. Seeds	TA780-13V	115	28.54	20.06	*	7.02	*	7.30	32.10	55.68	60.12	0.64	*	65.98	*	2942	*	20789	*	
RPM	RPM 728HXR	115	32.16	21.19	*	7.42	*	7.24	33.03	57.67	59.65	0.64	*	64.69		2804		20746	*	
Mid-Atlantic	MA8152VT3	115	32.56	20.87	*	7.30	*	6.81	33.57	57.60	58.06	0.63	*	64.03		2756		20119	*	
Mid-Atlantic	MA5158	115	30.54	19.40	*	6.79	*	7.15	33.18	57.04	59.64	0.64	*	65.52	*	2874	*	19492	*	
Augusta	A06-10HX	113	30.78	19.42	*	6.80	*	7.59	* 31.72	57.07	60.82	*	0.64	*	65.49	*	2852	*	19423	*
Mycogen Seeds	TMF2L831	118	31.40	19.71	*	6.90	*	7.19	35.01	60.75	60.60	*	0.63		64.17		2781		19217	*
Seed Consultants	SCS 11HQ38	112	30.07	19.05	*	6.67	*	7.50	* 33.13	57.39	59.40	0.64	*	65.36	*	2866	*	19138	*	
Seed Consultants	SC 11VTT79	117	29.20	19.00	*	6.65	*	7.53	* 33.55	57.64	57.97	0.63	*	65.50	*	2852	*	19017	*	
Seed Consultants	SCS 11HR69	116	31.47	19.36	*	6.78	*	7.11	33.12	57.65	58.85	0.64	*	64.74	*	2796		19008	*	
Croplan Genetics	CG 8221 VT3	118	28.23	18.08		6.33		6.95	34.34	58.54	58.12	0.63		64.94	*	2828		17924		
Mycogen Seeds	TMF2H918	123	26.29	18.81	*	6.59	*	6.97	37.51	* 64.75	* 61.24	*	0.61		63.41		2678		17712	
Seed Consultants	SCS 11HQ39	113	28.90	17.20		6.02		7.87	* 32.89	58.25	61.69	*	0.64	*	65.16	*	2858	*	17351	
Seed Consultants	EX SCS 9120RR	119	29.54	17.38		6.08		6.93	34.36	60.08	59.31	0.63		64.65		2784		16942		
	Site Average		30.07	19.51		6.83		7.15	33.38	57.96	59.62	0.64		65.06		2840		19445		
	LSD (0.10)		2.18	2.90		1.01		0.47	2.33	3.39	1.46	0.01		1.25		113		2817		
	C.V.		8.31	17.03		17.03		7.46	7.99	6.71	2.80	2.14		2.20		5		17		

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 7. Three-Year Average Corn Silage Test Results (2008, 2009 & 2010) at the Shenandoah Valley Site																							
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006										
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre										
Mid-Atlantic	MA8150VT3	115	36.61	20.05	*	7.02	*	6.79	32.00	*	55.67	*	60.38	*	0.62	*	64.57	*	2795	*	19742	*	
Mid-Atlantic	MA5158	115	36.07	18.65	*	6.53	*	6.99	32.13	*	55.92	*	60.05	*	0.62	*	65.23	*	2808	*	18359	*	
Augusta	A06-10HX	113	37.07	18.37	*	6.43	*	7.40	31.03	*	56.08	*	60.64	*	0.62	*	64.71	*	2756	*	17808	*	
T.A. Seeds	TA780-13V	116	34.44	17.46		6.11		7.11	31.84	*	55.65	*	60.67	*	0.63	*	65.63	*	2854	*	17529		
	Site Average		36.06	18.66		6.53		7.06	31.76		55.83		60.43		0.62		65.02		2803		18390		
	LSD (0.10)		3.32	2.23		0.78		0.31	2.10		3.15		1.47		0.02		1.40		104		2171		
	C.V.		12.75	16.53		16.53		6.05	9.15		7.81		3.36		3.25		2.98		5		16		

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 8. 2010 Corn Silage Test Results at the Northern Piedmont Site																
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006			
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre		
Seed Consultants	SCS 11HQ39	113	34.96	17.73	* 6.21	* 6.78	29.63	55.45	63.80	0.65	* 66.15	* 2978	* 18495	*		
T.A. Seeds	TA780-13V	116	34.01	16.94	* 5.93	* 6.42	32.62	58.61	63.03	0.64	* 64.71	* 2746	* 16242	*		
Seed Consultants	SCS 11VTT79	117	32.34	15.60	* 5.46	* 6.98	31.96	58.55	64.09	0.64	* 65.03	* 2920	* 16041	*		
Dyna-Gro	V5683VT3	116	32.78	16.22	* 5.68	* 6.94	33.56	60.62	64.41	0.63	* 64.26	* 2809	* 15871			
T.A. Seeds	TA778-13V	115	37.96	15.32	* 5.36	* 6.46	30.81	57.30	63.57	0.65	* 65.58	* 2817	* 15097			
ChannelBio	213-32VT3	113	35.23	14.76	* 5.16	* 6.20	31.12	57.48	62.58	0.65	* 65.43	* 2842	* 14636			
Southern States	SS 998HXLLRR2	125	33.95	16.38	* 5.73	* 7.15	* 36.74	* 66.56	* 58.96	0.62	* 62.73	* 2518	* 14256			
RPM	RPM 728HXR	115	34.91	14.32	* 5.01	* 6.79	30.42	55.31	63.91	0.65	* 65.77	* 2838	* 14245			
Hubner Seed	H3922RR	116	33.18	14.34	* 5.02	* 6.36	31.89	58.30	61.42	0.64	* 65.06	* 2842	* 14199			
Dyna-Gro	V5294HXTRNS	112	30.53	13.74	* 4.81	* 7.30	* 31.58	* 57.82	* 62.86	0.64	* 65.21	* 2926	* 14109			
Mid-Atlantic	MA8143VT3	114	33.48	14.44	* 5.05	* 6.48	31.21	55.99	58.32	0.65	* 65.39	* 2805	* 13966			
DEKALB	DKC61-69(VT3)	111	36.56	13.47	* 4.72	* 7.03	28.31	53.24	63.47	0.66	* 66.78	* 2920	* 13714			
Augusta	A5461GTCBLL	111	34.02	13.68	* 4.79	* 6.44	32.20	59.53	62.75	0.64	* 64.91	* 2828	* 13574			
Augusta	A5462GT3	112	38.22	13.99	* 4.90	* 6.35	30.40	56.71	62.83	0.65	* 65.78	* 2764	* 13550			
Seed Consultants	SCS 11HR69	116	33.33	13.89	* 4.86	* 6.53	31.75	58.41	61.71	0.64	* 65.13	* 2737	* 13345			
DEKALB	DKC67-88(GENV T3P)	117	34.31	14.38	* 5.03	* 6.44	33.31	59.62	61.78	0.64	* 64.38	* 2677	* 13335			
Mid-Atlantic	MA8188RR	118	29.21	13.23	* 4.63	* 7.02	31.90	58.26	63.04	0.64	* 65.06	* 2877	* 13309			
Augusta	A0610HLLQ	113	31.29	12.81	* 4.48	* 7.02	31.01	57.59	64.93	0.65	* 65.49	* 2978	* 13265			
Seed Consultants	SC 11VTT45	114	28.41	12.13	* 4.24	* 7.08	30.26	54.30	64.90	0.65	* 65.84	* 3114	* 13217			
Mid-Atlantic	MA5158	115	30.01	13.79	* 4.83	* 7.36	* 34.12	* 62.29	* 62.05	0.63	* 63.99	* 2726	* 13203			
Mycogen Seeds	TMF2L831	118	30.41	13.01	* 4.55	* 6.88	32.54	59.50	65.12	0.64	* 64.75	* 2880	* 13146			
Seed Consultants	SCS 11HR70	117	33.78	14.19	* 4.97	* 6.75	32.83	60.90	60.58	0.64	* 64.61	* 2649	* 13084			
Seed Consultants	SCS 1200	119	30.92	14.06	* 4.92	* 7.33	* 31.62	* 60.42	* 61.80	0.64	* 65.19	* 2646	* 13081			
T.A. Seeds	TA717-20	114	34.50	13.07	* 4.58	* 6.86	30.96	58.19	63.05	0.65	* 65.51	* 2854	* 13034			
DEKALB	DKC63-84(VT3)	113	36.50	13.38	* 4.68	* 6.65	31.33	57.83	61.78	0.65	* 65.33	* 2780	* 13013			
Mid-Atlantic	MA8150VT3	115	29.34	12.32	* 4.31	* 7.30	* 31.78	* 58.85	* 66.11	0.64	* 65.12	* 3015	* 12996			
ChannelBio	216-63VT3	116	34.68	13.45	* 4.71	* 5.99	31.86	58.68	61.17	0.64	* 65.08	* 2761	* 12948			
Seed Consultants	SCS 11HQ38	112	35.29	13.12	* 4.59	* 7.11	30.97	55.84	64.47	0.65	* 65.50	* 2796	* 12903			
Augusta	A7664VT3	114	29.82	12.74	* 4.46	* 7.71	* 29.97	* 55.28	* 61.99	0.65	* 65.98	* 2874	* 12860			
Seed Consultants	SCS 11RR60	115	34.99	12.80	* 4.48	* 6.76	32.90	59.97	63.46	0.64	* 64.57	* 2848	* 12807			
Augusta	A0715LL	115	36.83	13.13	* 4.60	* 6.60	31.30	55.97	57.68	0.65	* 65.34	* 2731	* 12599			
Mycogen Seeds	TMF2H918	123	27.97	14.78	* 5.17	* 6.80	38.42	* 69.99	* 59.07	0.61	* 61.92	* 2443	* 12563			
Mid-Atlantic	MA8152VT3	115	27.87	13.21	* 4.62	* 7.08	35.09	* 62.27	* 62.12	0.63	* 63.52	* 2699	* 12479			

Table 8. 2010 Corn Silage Test Results at the Northern Piedmont Site, continued																
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006			
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre			
Mid-Atlantic	MA8109VT3Pro	110	35.52	12.84	4.49	6.58	30.38	56.82	61.48	0.65	*	65.79	*	2783	12283	
Augusta	A6164GT3	114	37.01	13.83	4.84	6.42	34.49	64.14	60.08	0.63		63.81		2538	12282	
Mid-Atlantic	MA8131VT3Pro	113	41.28	13.79	4.83	6.23	32.17	59.99	59.32	0.64		64.93		2543	12178	
Dyna-Gro	57V05	115	29.17	12.11	4.24	7.40	*	31.70	59.34	64.10	0.64	*	65.15	*	2860	12150
Augusta	A0607GT3	107	35.20	12.07	4.23	6.52	31.19	57.08	63.41	0.65	*	65.40	*	2856	12100	
Mid-Atlantic	MA8167VT3Pro	116	31.79	12.11	4.24	7.12	32.38	58.63	63.19	0.64		64.83		2851	12082	
Seed Consultants	SC 11AQ07	109	36.32	12.44	4.35	6.35	30.77	56.38	61.30	0.65	*	65.60	*	2782	12074	
Seed Consultants	SCS 11HQ00	109	36.37	12.75	4.46	7.05	32.21	60.23	61.34	0.64		64.91		2696	11955	
Mid-Atlantic	MA8129VT3Pro	112	40.00	13.10	4.59	6.99	32.51	60.90	62.49	0.64		64.76		2611	11937	
DEKALB	DKC64-69(GENV T3P)	114	33.54	11.77	4.12	6.66	29.91	56.09	60.44	0.65	*	66.02	*	2860	11753	
ChannelBio	214-14VT3P	114	32.23	12.59	4.41	6.74	34.37	62.71	60.91	0.63		63.87		2652	11672	
Mid-Atlantic	MA8153VT3Pro	115	31.55	11.94	4.18	6.48	32.04	59.08	62.74	0.64	*	64.99	*	2780	11671	
ChannelBio	218-30VT3P	118	32.26	11.62	4.07	6.83	31.77	58.05	63.51	0.64	*	65.12	*	2767	11300	
Mid-Atlantic	MA5160GT	116	30.22	12.09	4.23	6.98	36.93	*	64.72	*	60.56	0.62		2620	11024	
Mycogen Seeds	F2F665	110	31.06	10.32	3.61	7.05	33.17	62.09	71.07	*	0.64	64.45		3056	* 10998	
Master's Choice	MCT 583 QUAD	111	32.99	10.88	3.81	6.79	31.76	58.44	63.23	0.64	*	65.12	*	2858	10889	
Hubner Seed	H5811VT3	115	26.76	10.44	3.65	7.39	*	32.90	58.23	64.93	0.64	64.57		2954	* 10824	
Master's Choice	MCT 628 GT	115	34.63	11.79	4.13	6.76	34.14	63.19	62.54	0.63		63.98		2649	10759	
Augusta	A5337EVT3	111	27.18	10.72	3.75	7.26	*	30.36	55.79	63.90	0.65	*	65.80	*	2722	10278
Augusta	A6867CBLL	117	29.25	9.49	3.32	7.45	*	32.35	59.37	63.50	0.64	64.84		2878	9591	
DEKALB	DKC59-64(V T3)	109	32.14	10.28	3.60	6.79	36.51	*	65.20	*	60.70	0.62		2636	9460	
Augusta	A6365GT	115	34.18	10.21	3.57	7.38	*	35.03	*	65.05	*	62.08		2630	9332	
	Site Average		33.08	13.05	4.57	6.84	32.23	59.11	62.55	0.64		64.90		2789	12709	
	LSD (0.10)		4.05	2.72	0.95	0.58	3.79	5.33	2.57	0.02		1.82		203	2535	
	C.V.		9.74	16.60	16.60	6.74	9.36	7.17	3.27	2.40		2.24		6	16	

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 9. 2010 Corn Silage Test Results at the Southern Piedmont Site														
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006	
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre	
Mid-Atlantic	MA8188RR	118	25.39	13.94	* 4.88	* 7.30	39.01	65.08	58.29	0.61	61.64	2578	12603	*
Dyna-Gro	V5294HXTRNS	112	26.99	12.95	* 4.53	* 7.31	35.08	60.21	60.69	0.63	* 63.53	* 2690	* 12275	*
Dyna-Gro	57V05	115	25.06	12.43	* 4.35	* 7.11	37.80	63.38	61.52	* 0.61	62.22	2651	* 11526	*
Seed Consultants	SC 11AQ07	109	31.82	12.60	* 4.41	* 6.91	36.14	62.77	56.05	0.62	* 63.02	* 2576	* 11329	*
Augusta	A6867CBLL	117	29.39	12.16	4.26	8.04	36.20	63.78	59.33	0.62	* 62.99	* 2651	* 11304	*
Seed Consultants	SCS 11VTT79	117	29.33	12.67	* 4.44	* 7.16	36.81	63.54	57.89	0.62	* 62.69	* 2537	* 11293	*
Dyna-Gro	V5683VT3	116	29.11	12.76	* 4.47	* 7.83	39.13	66.52	57.62	0.61	61.58	2507	11163	*
Augusta	A0607GT3	107	29.17	12.16	4.26	7.47	37.09	64.25	58.15	0.62	* 62.56	* 2596	* 11026	*
DEKALB	DKC64-69(GENV T3P)	114	28.15	11.83	4.14	7.18	35.76	62.01	57.47	0.62	* 63.20	* 2653	* 10990	*
Augusta	A5461GTCBLL	111	30.87	12.58	* 4.40	* 7.28	36.11	64.11	59.22	0.62	* 63.03	* 2492	10964	*
Seed Consultants	SCS 11HQ38	112	29.08	12.13	4.25	8.10	38.99	65.79	58.44	0.61	61.65	2557	10858	
Mid-Atlantic	MA8153VT3Pro	115	27.72	12.41	* 4.34	* 7.30	39.10	66.19	56.82	0.61	61.59	2489	10815	
Southern States	SS 998HXLLRR2	125	25.15	11.98	4.19	7.36	38.74	66.62	59.00	0.61	61.77	2553	10693	
Seed Consultants	SCS 11HQ39	113	28.92	11.45	4.01	6.90	36.21	63.15	59.80	0.62	* 62.99	* 2648	* 10614	
Mid-Atlantic	MA8152VT3	115	25.97	11.58	4.05	8.04	38.83	65.23	60.16	0.61	61.73	2619	* 10578	
Augusta	A5462GT3	112	29.60	11.51	4.03	7.54	37.53	65.46	59.18	0.61	62.35	2594	* 10428	
Mycogen Seeds	TMF2L831	118	29.00	11.51	4.03	7.43	37.99	64.69	58.05	0.61	62.13	2575	10388	
Seed Consultants	SCS 11HR70	117	30.93	11.80	4.13	7.90	39.02	66.18	57.48	0.61	61.63	2509	10365	
ChannelBio	216-63VT3	116	29.53	11.93	4.17	7.42	37.68	65.79	56.25	0.61	62.28	2477	10335	
DEKALB	DKC61-69(VT3)	111	29.58	11.46	4.01	7.55	37.57	64.24	56.97	0.61	62.33	2561	10275	
Augusta	A008CBQ	117	24.10	10.70	3.75	7.51	38.45	64.37	62.36	* 0.61	61.91	2646	* 9905	
Mid-Atlantic	MA5158	115	31.02	11.15	3.90	8.51	39.29	66.07	58.08	0.61	61.50	2532	9859	
Seed Consultants	SCS 11HR69	116	32.27	11.53	4.04	7.43	38.40	64.63	57.58	0.61	61.93	2417	9765	
Mid-Atlantic	MA8143VT3	114	29.84	11.24	3.94	6.82	37.95	63.93	54.70	0.61	62.15	2398	9447	
Mid-Atlantic	MA8129VT3Pro	112	31.28	10.41	3.64	8.01	38.13	65.38	57.49	0.61	62.06	2540	9238	
Hubner Seed	H5811VT3	115	25.17	10.49	3.67	7.56	37.61	63.73	61.47	* 0.61	62.31	2509	9216	
Hubner Seed	H3922RR	116	27.80	10.28	3.60	7.77	37.77	65.19	58.15	0.61	62.24	2562	9215	
DEKALB	DKC63-84(VT3)	113	30.88	10.41	3.65	8.13	37.94	65.36	56.87	0.61	62.15	2517	9209	
Seed Consultants	SC 11VTT45	114	25.01	10.09	3.53	8.00	38.42	65.26	60.69	0.61	61.92	2595	* 9157	
Seed Consultants	SCS 1200	119	31.50	10.48	3.67	8.19	39.04	67.47	59.29	0.61	61.62	2473	9089	
RPM	RPM 728HXR	115	30.92	10.39	3.64	7.84	39.60	66.60	57.34	0.60	61.35	2491	9068	
Mid-Atlantic	MA8150VT3	115	25.86	9.96	3.49	7.92	37.16	63.40	62.91	* 0.62	* 62.53	2580	9016	
Seed Consultants	SCS 11HQ00	109	30.80	10.34	3.62	7.47	36.97	63.41	59.14	0.62	* 62.62	* 2483	8968	

Table 9. 2010 Corn Silage Test Results at the Southern Piedmont Site, continued													
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
ChannelBio	213-32VT3	113	28.95	10.34	3.62	7.67	37.68	65.75	55.61	0.61	62.28	2467	8939
Augusta	A7664VT3	114	25.95	10.07	3.53	8.64	38.34	64.98	58.21	0.61	61.96	2533	8939
Mid-Atlantic	MA8167VT3Pro	116	27.92	10.42	3.65	8.12	40.38	* 67.86	56.62	0.60	60.98	2429	8908
ChannelBio	218-30VT3P	118	27.11	10.29	3.60	7.64	39.33	67.06	56.90	0.61	61.48	2466	8903
Augusta	A0610HLLQ	113	26.11	9.57	3.35	8.37	37.20	65.58	61.10	0.62	62.51	2651	* 8872
Mid-Atlantic	MA8109VT3Pro	110	30.07	10.44	3.65	8.06	38.57	66.57	55.31	0.61	61.85	2427	8869
Seed Consultants	SCS 11RR60	115	32.16	9.77	3.42	8.38	38.64	65.45	59.27	0.61	61.81	2590	* 8864
Augusta	A6164GT3	114	30.29	9.98	3.49	8.15	37.77	65.77	57.49	0.61	62.23	2526	8833
DEKALB	DKC67-88(GENV T3P)	117	27.61	9.97	3.49	7.51	39.13	65.72	56.13	0.61	61.58	2486	8681
Augusta	A5337EV T3	111	25.56	9.96	3.49	8.76	38.05	65.61	58.30	0.61	62.10	2449	8538
Augusta	A6365GT	115	31.03	10.17	3.56	9.60	* 40.98	* 70.66	* 58.22	0.60	60.69	2386	8488
ChannelBio	214-14VT3P	114	29.08	9.92	3.47	9.00	* 40.61	* 68.87	* 57.42	0.60	60.87	2418	8407
Mid-Atlantic	MA8131VT3Pro	113	30.85	9.72	3.40	7.82	37.58	65.31	54.91	0.61	62.32	2457	8356
Mid-Atlantic	MA5160GT	116	32.07	9.32	3.26	9.04	* 39.05	68.51	* 59.87	0.61	61.62	2512	8201
Augusta	A0715LL	115	29.49	9.76	3.42	8.30	39.68	67.84	55.73	0.60	61.31	2399	8188
DEKALB	DKC59-64(VT3)	109	30.91	9.67	3.39	8.41	42.03	* 69.87	* 56.11	0.59	60.18	2332	7910
	Site Average		28.77	10.98	3.84	7.83	38.22	65.40	58.22	0.61	62.02	2526	9722
	LSD (0.10)		1.73	1.70	0.60	0.72	2.03	2.79	1.76	0.01	0.97	104	1666
	C.V.		4.90	12.66	12.66	7.47	4.32	3.47	2.46	1.39	1.28	3	14

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mca/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SC 11VTT79	117	32.36	17.87 *	6.25 *	6.89	32.64	57.41	56.05	0.64 *	65.02 *	2762	17587 *
Mycogen Seeds	TMF2L831	118	32.00	17.84 *	6.24 *	7.10	34.62 *	59.25 *	55.64	0.63	64.17	2731	17424 *
Seed Consultants	SCS 11HR69	116	34.31	17.62 *	6.17 *	6.96	32.85	56.36	54.78	0.64 *	64.86 *	2725	17300 *
Seed Consultants	SCS 11HQ38	112	31.23	17.46 *	6.11 *	7.53 *	34.96 *	59.95 *	56.04	0.63	64.29	2749	17061 *
Seed Consultants	SCS 11HQ39	113	31.64	16.85 *	5.90 *	6.78	32.80	57.31	57.00	0.64 *	65.22 *	2818 *	16935 *
Seed Consultants	EX SCS 9120RR	119	32.44	17.02 *	5.96 *	7.26	34.76 *	59.90 *	56.13	0.63	64.63 *	2738	16933 *
Mid-Atlantic	MA5158	115	33.13	16.86 *	5.90 *	7.77 *	33.81	57.85	55.47	0.63 *	64.52 *	2764	16772 *
Seed Consultants	SC 11VTT45	114	29.94	16.83 *	5.89 *	7.36 *	33.87	58.45 *	57.46	0.63 *	64.35	2764	16664 *
Augusta	A008CBQ	117	27.67	15.93	5.57	7.07	34.46 *	58.37 *	57.79 *	0.63	65.00 *	2843 *	16196 *
RPM	RPM 728HXR	115	33.22	16.27	5.70	7.13	35.13 *	60.07 *	56.46	0.63	63.76	2687	15706
Augusta	A06-10HX	113	30.34	15.49	5.42	7.76 *	33.32	58.92 *	57.25	0.64 *	64.60 *	2789 *	15392
Mid-Atlantic	MA8150VT3	115	29.28	14.97	5.24	7.16	33.40	57.56	58.99 *	0.64 *	65.24 *	2804 *	15104
Mid-Atlantic	MA8152VT3	115	30.10	15.13	5.29	7.44 *	34.69 *	58.61 *	56.04	0.63	64.50 *	2796 *	14997
	Site Average		31.32	16.60	5.81	7.25	33.96	58.48	56.57	0.63	64.62	2768	16442
	LSD (0.10)		1.48	1.39	0.49	0.42	1.19	1.72	1.32	0.01	0.75	70	1405
	C.V.		5.58	9.85	9.85	6.82	4.15	3.48	2.76	1.14	1.37	3	10

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.
* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 11. Three-Year Average Corn Silage Test Results (2008, 2009 & 2010) at the Southern Piedmont Site																	
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006				
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre				
Mid-Atlantic	MA5158	115	41.50	16.51 *	5.78 *	7.45 *	31.81	55.03	56.28 *	0.61 *	63.72 *	2686 *	15852 *				
Augusta	A06-10HX	113	37.67	16.03 *	5.61 *	7.47 *	32.01	56.67 *	56.22 *	0.61 *	63.01 *	2657 *	15041 *				
Augusta	A008CBQ	117	36.64	15.43 *	5.40 *	6.88	32.86 *	56.07 *	57.02 *	0.61 *	63.45 *	2701 *	14852 *				
Mid-Atlantic	MA8150VT3	115	37.41	15.35 *	5.37 *	7.02	31.79	54.90	57.49 *	0.61 *	63.56 *	2675 *	14592				
	Site Average		38.31	15.83	5.54	7.20	32.12	55.67	56.76	0.61	63.43	2680	15084				
	LSD (0.10)		1.76	1.36	0.48	0.28	0.77	1.51	1.65	0.01	0.95	66	1259				
	C.V.		6.60	12.38	12.38	5.56	3.43	3.91	4.19	1.67	2.15	4	12				

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.
* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 12. 2010 Corn Silage Test Results at the Southwestern Virginia Site																			
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006						
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre					
Augusta	A6867CBLL	117	41.97	30.89	*	10.81	*	5.85	28.38	51.42	62.60	0.66	*	66.75	*	2692		29119	*
Dyna-Gro	57V05	115	38.40	28.97	*	10.14	*	5.78	29.14	49.92	59.99	0.66	*	66.38		2807	*	28320	*
Seed Consultants	SCS 11HR70	117	42.52	28.22	*	9.88	*	6.30	* 24.71	45.19	59.86	0.68	*	68.52	*	2691		26597	*
Seed Consultants	SC 11VTT45	114	40.68	28.16	*	9.85	*	5.69	26.45	46.11	58.28	0.67	*	67.68	*	2709	*	26567	*
Mid-Atlantic	MA5158	115	39.15	27.89	*	9.76	*	5.95	29.89	52.36	59.65	0.65		66.03		2725	*	26566	*
Southern States	SS 998HXLLRR2	125	37.81	27.52	*	9.63	*	5.88	32.01	* 56.45	* 60.26	0.64		65.00		2692		26020	*
Seed Consultants	SCS 11RR60	115	41.63	27.93	*	9.78	*	5.75	28.73	50.58	60.62	0.66	*	66.58	*	2652		25948	*
Seed Consultants	SCS 11HR69	116	38.99	28.05	*	9.82	*	5.86	30.90	* 54.81	59.76	0.65		65.54		2642		25728	*
DEKALB	DKC64-69(GENV T3P)	114	44.11	28.85	*	10.10	*	6.19	* 25.36	47.16	58.60	0.68	*	68.20	*	2533		25599	*
ChannelBio	216-63VT3	116	39.88	26.76	*	9.37	*	6.01	27.12	49.12	59.16	0.67	*	67.36	*	2720	*	25594	*
Mycogen Seeds	TMF2H918	123	35.50	26.84	*	9.39	*	5.81	33.02	* 56.27	* 57.24	0.64		64.52		2693	*	25190	*
Augusta	A5462GT3	112	45.40	29.46	*	10.31	*	5.64	29.82	53.94	59.93	0.65		66.06		2440		25179	*
Seed Consultants	SCS 11HQ38	112	38.94	26.19		9.17		5.90	30.50	* 52.61	59.94	0.65		65.73		2726	*	25016	
T.A. Seeds	TA780-13V	116	36.74	25.89		9.06		5.66	32.25	* 54.16	58.43	0.64		64.89		2752	*	24934	
Augusta	A7664VT3	114	41.19	26.88	*	9.41	*	5.97	28.97	51.31	60.18	0.66	*	66.47	*	2651		24885	
Mid-Atlantic	MA8150VT3	115	38.24	24.67		8.64		5.74	28.90	50.38	61.30	0.66	*	66.50	*	2846	*	24512	
Augusta	A008CBQ	117	37.36	24.51		8.58		5.89	28.34	50.28	61.87	0.66	*	66.77	*	2861	*	24358	
RPM	RPM 728HXR	115	44.47	26.43		9.25		5.96	25.20	46.10	60.97	0.68	*	68.28	*	2635		24357	
T.A. Seeds	TA778-13V	115	44.12	28.43	*	9.95	*	5.50	31.95	* 55.63	* 58.83	0.64		65.03		2438		24276	
Hubner Seed	H5811VT3	115	41.21	25.62		8.97		5.58	28.95	50.37	61.04	0.66	*	66.48	*	2700	*	24213	
Augusta	A6166GTCBLL	116	44.11	26.28		9.20		5.86	25.79	47.20	60.51	0.67	*	68.00	*	2624		24126	
Croplan Genetics	8756 VT3	118	46.46	30.00	*	10.50	*	5.29	33.96	* 59.94	* 58.89	0.63		64.07		2281		23956	
Dyna-Gro	V5294HXTRNS	112	36.58	24.88		8.71		6.50	* 30.85	* 52.49	57.79	0.65		65.56		2750	*	23951	
Mid-Atlantic	MA8188RR	118	39.90	24.56		8.60		6.13	* 27.84	48.45	58.71	0.66	*	67.01	*	2745	*	23624	
Seed Consultants	SCS 11VTT79	117	40.92	25.83		9.04		6.38	* 28.34	50.28	58.13	0.66	*	66.77	*	2625		23612	
Mid-Atlantic	MA8167VT3Pro	116	43.90	26.95	*	9.43	*	6.29	* 28.49	49.80	56.40	0.66	*	66.70	*	2497		23537	
Croplan Genetics	8221 VT3	118	36.53	24.59		8.61		5.78	31.67	* 53.64	58.17	0.64		65.17		2733	*	23511	
DEKALB	DKC67-88(GENV T3P)	117	40.54	27.09	*	9.48	*	6.09	* 31.49	* 54.76	56.91	0.64		65.25		2480		23473	
Augusta	A5461GTCBLL	111	45.54	26.73	*	9.35	*	5.87	28.40	51.01	60.29	0.66	*	66.74	*	2499		23454	
Seed Consultants	SCS 11HQ39	113	39.08	24.04		8.42		5.96	29.14	52.41	61.73	0.66		66.38		2781	*	23420	
Seed Consultants	SCS 1200	119	41.19	26.69	*	9.34	*	5.93	30.55	* 53.43	57.34	0.65		65.71		2510		23409	
Mid-Atlantic	MA5160GT	116	39.81	24.76		8.67		6.48	* 28.46	50.83	59.17	0.66	*	66.71	*	2699	*	23401	
Dyna-Gro	V5683VT3	116	44.69	25.73		9.01		6.48	* 27.06	50.26	61.85	0.67	*	67.38	*	2570		23370	

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at	DM Yield	Crude	ADF	NDF	NDF	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Mid-Atlantic	MA8153VT3Pro	115	42.35	28.20 *	9.87 *	5.97	33.68 *	58.58 *	57.10	0.63	64.20	2359	23293
ChannelBio	218-30VT3P	118	44.69	28.02 *	9.81 *	6.11 *	30.83 *	55.31 *	59.54	0.65	65.57	2370	23246
Mid-Atlantic	MA8109VT3Pro	110	41.42	25.47	8.92	6.03	27.04	48.17	55.96	0.67 *	67.40 *	2604	22933
DEKALB	DKC63-84(VT3)	113	42.83	25.35	8.87	6.38 *	27.26	49.91	59.50	0.67 *	67.29 *	2571	22882
Augusta	A6164GT3	114	43.70	26.19	9.17	6.08 *	29.99	54.32	59.86	0.65	65.98	2472	22686
Mycogen Seeds	TMF2L831	118	42.84	26.28	9.20	6.07	31.36 *	55.73 *	59.74	0.65	65.32	2456	22642
Augusta	A0610HLLQ	113	42.03	24.94	8.73	6.68 *	28.54	51.91	60.50	0.66 *	66.68 *	2564	22336
Augusta	A008VT3	117	40.22	24.27	8.50	5.98	32.47 *	56.40 *	60.07	0.64	64.78	2619	22320
Augusta	A9169VT3	119	47.71	26.72 *	9.35 *	5.32	33.70 *	61.27 *	60.81	0.63	64.19	2374	22203
T.A. Seeds	TA717-20	114	41.84	25.26	8.84	5.68	30.06	53.50	57.46	0.65	65.94	2493	22031
Seed Consultants	SCS 11HQ00	109	43.43	23.54	8.24	6.51 *	26.56	48.66	61.05	0.67 *	67.63 *	2660	21934
ChannelBio	214-14VT3P	114	41.89	25.69	8.99	6.37 *	29.95	52.79	55.76	0.65	66.00	2438	21809
Croplan Genetics	8505 VT3P	118	45.44	25.34	8.87	6.08	31.34 *	55.49 *	59.74	0.65	65.33	2400	21406
Mid-Atlantic	MA8129VT3Pro	112	41.73	24.06	8.42	5.39	30.24	54.36	59.24	0.65	65.86	2524	21263
Mid-Atlantic	MA8143VT3	114	38.90	23.01	8.05	6.60 *	31.17 *	54.55	57.74	0.65	65.41	2625	21015
Mid-Atlantic	MA8152VT3	115	41.91	23.90	8.37	5.76	31.23 *	52.71	56.75	0.65	65.38	2494	20992
Augusta	A5337EV/T3	111	47.17	25.32	8.86	5.88	30.29	54.11	58.52	0.65	65.83	2364	20894
Hubner Seed	H3922RR	116	44.49	23.64	8.27	5.93	29.86	54.24	61.23	0.65	66.04	2489	20437
ChannelBio	213-32VT3	113	42.21	23.11	8.09	6.38 *	28.89	51.33	56.92	0.66 *	66.50 *	2517	20356
Mid-Atlantic	MA8131VT3Pro	113	44.81	22.65	7.93	6.15 *	26.98	50.21	59.68	0.67 *	67.42 *	2518	19951
DEKALB	DKC59-64(VT3)	109	42.58	22.40	7.84	6.14 *	29.20	52.04	58.39	0.66	66.35	2515	19658
Augusta	A6365GT	115	44.10	22.50	7.87	6.42 *	27.15	49.42	58.21	0.67 *	67.34 *	2497	19654
Seed Consultants	SC 11AQ07	109	42.30	20.90	7.32	5.93	28.59	52.23	61.06	0.66 *	66.65 *	2590	18966
Augusta	A0607GT3	107	39.33	19.93	6.98	6.33 *	33.04 *	57.69 *	58.70	0.64	64.51	2526	17704
DEKALB	DKC61-69(VT3)	111	42.72	21.16	7.41	6.03	32.01 *	56.66 *	58.14	0.64	65.00	2385	17518
Mycogen Seeds	F2F665	110	52.11	17.49	6.12	6.47 *	34.72 *	61.12 *	65.99 *	0.63	63.70	2484	15459
Augusta	A0715LL	115	54.13	17.45	6.11	6.04	32.69 *	56.15 *	56.37	0.64	64.68	2264	13858
	Site Average		42.03	25.55	8.94	6.01	29.70	52.65	59.34	0.65	66.12	2577	23059
	LSD (0.10)		4.27	4.34	1.52	0.59	4.34	6.32	3.21	0.02	2.09	169	4076
	C.V.		8.48	14.18	14.18	8.31	12.29	10.10	4.55	2.86	2.66	6	15

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 13. Two-Year Average Corn Silage Test Results (2009 & 2010) at the Southwest Virginia Site																	
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006				
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre			
Seed Consultants	SCS 11HQ38	112	39.01	26.67	*	9.33	*	5.63	31.35	53.43	53.88	0.65	64.54	2700	*	25118	*
Seed Consultants	SC 11VTT45	114	39.86	25.77	*	9.02	*	5.64	27.42	47.05	55.44	0.67	* 66.97	* 2751	*	24732	*
Seed Consultants	SC 11VTT79	117	40.37	26.16	*	9.16	*	6.16	* 28.22	49.16	54.39	0.66	* 65.99	* 2694	*	24626	*
T.A. Seeds	TA780-13V	115	36.40	24.93	*	8.73	*	5.09	32.31	53.98	55.55	0.64	65.30	2797	*	24396	*
Mycogen Seeds	TMF2H918	123	34.87	25.93	*	9.08	*	5.90	* 35.48	* 59.42	* 52.57	0.62	63.91	2673		24201	*
Croplan Genetics	CG 8221 VT3	118	37.06	25.10	*	8.78	*	5.17	32.11	53.75	53.83	0.64	64.97	2751	*	24158	*
RPM	RPM 728HXR	115	43.96	25.92	*	9.07	*	5.40	27.70	48.77	55.37	0.66	* 65.62	* 2600		23587	*
Mycogen Seeds	TMF2L831	118	40.54	26.14	*	9.15	*	5.98	* 33.11	* 57.27	* 55.56	0.64	64.76	2530		23176	*
Seed Consultants	SCS 11HR69	116	41.02	25.56	*	8.95	*	5.30	31.08	54.05	54.91	0.65	63.72	2590		23151	*
Seed Consultants	SCS 11HQ39	113	38.88	24.18	*	8.46	*	5.93	* 30.98	54.25	56.53	* 0.65	65.02	2723	*	23081	*
Augusta	A008CBQ	117	37.86	23.47	*	8.22	*	5.72	30.30	52.28	57.87	* 0.65	* 65.57	* 2795	*	22886	*
Seed Consultants	EX SCS 9120RR	119	41.72	25.28	*	8.85	*	5.39	30.81	53.58	53.94	0.65	64.37	2546		22434	*
Augusta	A91-69VT3	119	46.24	26.61	*	9.31	*	5.14	34.04	* 60.41	* 55.91	* 0.63	62.41	2379		22166	*
Augusta	A06-10HX	113	41.42	23.89	*	8.36	*	6.32	* 29.24	51.75	55.76	0.66	* 65.19	2598		21641	
	Site Average		39.87	25.39		8.89		5.62	31.08	53.61	55.06	0.65	64.84	2653		23526	
	LSD (0.10)		3.70	3.76		1.32		0.51	3.08	4.21	1.99	0.02	1.42	119		3449	
	C.V.		10.43	16.63		16.63		10.19	11.13	8.81	4.05	2.73	2.46	5		16	

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.

* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

Table 14. Three-Year Average Corn Silage Test Results (2008, 2009 & 2010) at the Southwest Virginia Site																					
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006								
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre								
Augusta	A008CBQ	117	35.49	25.34 *	8.87 *	6.12	30.93 *	52.82 *	56.81 *	0.64	65.52	2812 *	24830 *								
Augusta	A06-10HX	113	37.70	24.78 *	8.67 *	6.88 *	28.12	50.04	55.77 *	0.67 *	66.79 *	2804 *	24412 *								
T.A. Seeds	TA780-13V	116	33.66	23.29 *	8.15 *	5.95	31.40 *	52.71 *	55.00 *	0.65	66.25 *	2889 *	23441 *								
	Site Average		35.61	24.47	8.56	6.32	30.15	51.86	55.86	0.65	66.19	2835	24227								
	LSD (0.10)		2.77	3.48	1.22	0.34	1.76	2.47	1.86	0.01	1.07	99	3157								
	C.V.		10.42	19.03	19.03	7.29	7.81	6.36	4.46	2.36	2.16	5	17								

¹Days to maturity provided by company; differences in maturity rating methods may exist between companies.
* Indicates numbers not significantly different from the highest value in that column (i.e. within one LSD of the top performer).

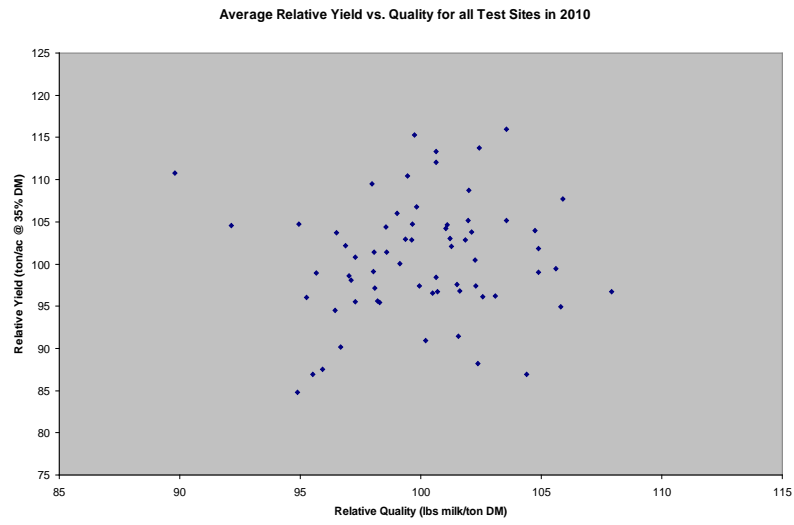
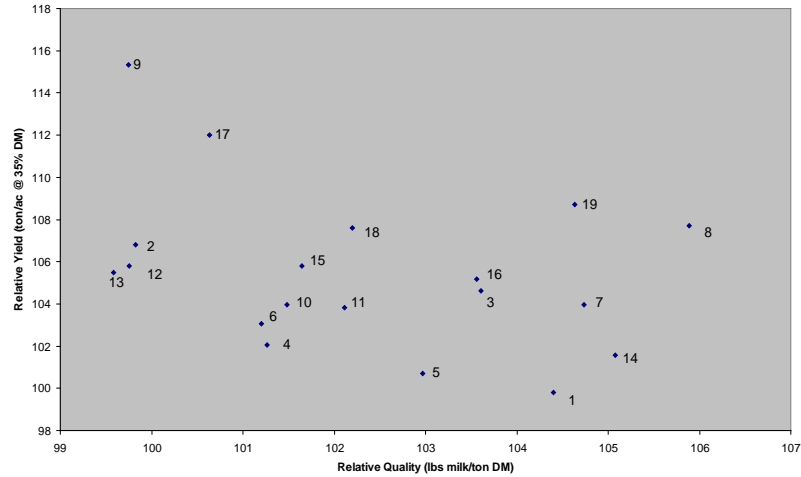


Figure 1. Average relative yield versus quality across all test sites in 2010

High Yielding and High Quality Hybrids in at Least 3 Site/Year Combinations in 2010



Point ID	Brand	Hybrid
1	Augusta	A008CBQ
2	Augusta	A5461GTCBLL
3	Augusta	A6867CBLL
4	ChannelBio	216-63VT3
5	Croplan Genetics	8221 VT3
6	DEKALB	DKC64-69(GENVT3P)
7	Dyna-Gro	57V05
8	Dyna-Gro	V5294HXTRNS
9	Dyna-Gro	V5683VT3
10	Mid-Atlantic	MA5158
11	Mid-Atlantic	MA8188RR
12	Mycogen Seeds	TMF2L831
13	RPM	RPM 728HXR
14	Seed Consultants	SC 11VTT45
15	Seed Consultants	SCS 11HQ38
16	Seed Consultants	SCS 11HQ39
17	Seed Consultants	SCS 11HR70
18	Seed Consultants	SCS 11VTT79
19	T.A. Seeds	TA780-13V

Figure 2. High yielding and high quality hybrids that appeared in at least 3 site/year Combinations in 2010