Virginia Corn Silage Testing 2007

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THE 2007 VIRGINIA CORN SILAGE HYBRID TRIALS

Table of Contents

THE 2007 VIRGINIA CORN SILAGE HYBRID TRIALS

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Alvin Hood; Chris Teutsch; Ned Jones; Phil Blevins.

COMPANIES PARTICIPATING IN THE 2007 CORN SILAGE TRIALS

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Doebler's, Inc	Doebler's	202 Tiadaghton Ave Jersey Shore, PA 17740
Garst Seed Co	Garst	2369 330th St Slater, IA 50244
HYTEST SEEDS	HYTEST SEEDS	2827 8th Ave South Ft Dodge, IA 50501
Mid-Atlantic Seeds	Mid-Atlantic	204 St Charles Way #163 York, PA 17404
Monsanto	DEKALB and Asgrow	800 N Lindbergh Blvd St Louis, MO 63167
Mycogen Seeds	Mycogen	9330 Zionsville Rd Indianapolis, IN 46268
Pioneer Hi-Bred International	Pioneer	7501 Memorial Pkwy SW Suite 205 Huntsville, AL 35802
Seed Consultants, Inc	Seed Consultants	PO Box 370 Washington Courthouse, OH 43160
Southern States Cooperative, Inc	Southern States	6606 West Broad St Richmond, VA 23230
T.A. Seeds	T.A. Seeds	PO Box 300 Avis, PA 17721

NARRATIVE

This report contains the results for performance trials from commercial corn hybrids produced for silage at four locations in Virginia in 2007 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 were planted with a Wintersteiger PlotKing 2600 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 or by Virginia Tech. 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 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 2007, 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.

GROWING SEASON

Temperatures in early and mid-April were cooler than average and rainfall was near normal. As of April 15, corn planting had reached 30% of fields which is 5% below the 5 year average. The latter half of April was significantly warmer than the long-term average and corn plantings reflected this and planted acreage was 9% greater by May 1 than the 5 year average. By mid-June 85% of the corn crop was reported to be in fair or good condition, but 40% of counties reported to be short of moisture. Some areas of southwest Virginia were very short of soil moisture by early summer. By July 10, approximately 80% of counties reported being short of soil moisture and corn in most places was experiencing moderate to severe stress due to the lack of water. Warm temperatures and lack of rainfall during the critical period just before and after silking significantly reduced the yield potential of the corn crop in 2007. Scattered thunderstorms provided relief and better yields in some areas but these were not generally widespread. Average yield for the Commonwealth is predicted by the Virginia Ag Statistics Service to be 80 bushels per acre which is down 40 bushels per acre from last year and is 33 bushels below the 5 year average yield. Approximately 400,000 acres are expected to be harvested, up 50,000 acres from the five year average. Total production is estimated at 32 million bushels in 2007.

2007 VIRGINIA CORN SILAGE PLOT INFORMATION
(Rates are on a per acre basis.)

Southern Piedmont at Southern Piedmont Agricultural Research & Extension Center at Blackstone
Planted: April 11, 2007
Harvested: August 15-17, 2007
Pesticide: 4.5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 7 oz Callisto® April 13, 2007
Fertilizer: 100-100-100-8 preplant incorporated; 17 gal 15-15-0-3S-.13B-.5Zn at planting; 80 lb N May 29, 2007
Irrigation: 1.0" June 28, 2007
1.0" July 16, 2007
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Spotsylvania-Cecil-Bourne Sandy Loam
Cooperator: Ned Jones

Southwest/Mountain at Washington County (Thanks to Johnny Robinson)
Planted: June 15, 2007 (replant)
Harvested: October 3, 2007
Pesticide: 3 qt Lumax®
Insecticide: 2.5 oz Warrior®
Fertilizer: 160-35-240 + 2 tons lime preplant; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 units N as sidedress
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Wyrick-Marbie
Cooperators: Phil Blevins and Johnny Robinson

Shenandoah Valley at Shenandoah County (Thanks to Kevin Phillips and North Point Farm)
Land Prep: no till subsoiled in March
Planted: April 30, 2007
Harvested: August 23, 2007
Pesticide: 1 qt Roundup® + 1 qt 2,4-D + 1 qt Aatrex® + 3 qt Lumax® + 1 qt Princep® April 26, 2007 preplant + 4.5 lb Force 3G® at planting
Fertilizer: 6000 gal dairy liquid March 12, 2007; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting
Plot Size: 2 rows 25' x 30" 4 replications
Cooperators: Brian Jones and Kevin Phillips

Northern Piedmont at Northern Piedmont Agricultural Research & Extension Center at Orange
Planted: May 1, 2007
Harvested: August 13-14, 2007
Pesticide: 3 qt Lumax® + 1 qt atrazine + 1 qt gramoxone preplant incorporated April 30 1, 2007.
Fertilizer: 100-120-0 preplant incorporated April 26, 2007; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 0-0-180 May 10, 2007; 100 lb N sidedressed June 1, 2007.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Davidson silty clay loam
Cooperators: Dave Starner, Steve Gulick, and Alvin Hood

Table 1. List of Hybrids in the 2007 VA Tech Corn Silage Hybrid Test

Brand	Hybrid	IST[1]	GT[2]	DTM[3]	OBS[4]
Augusta	A-04-102CB	PL	CB	118	4
Augusta	A-04-103RRCB	PL	CB/GY	119	3
Augusta	A-04-94CB	PL	CB	119	4
Augusta	A-05-27AACB	PL	CB	111	3
Augusta	A-06-02HXP	PL	CB/GU	119	3
Augusta	A-06-06	PL		112	4
Augusta	A-06-07CB	PL	CB	108	4
Augusta	A-06-10HX	PL	CB/GU	113	4
Augusta	A-06-15CLP	PL	CB/GY	119	4
Augusta	A-06-33RRCB	PL	CB/GY	118	3
Augusta	A-07-007	PL		116	4
Augusta	A-07-08	C		118	4
Augusta	A-07-09	PL		108	4
Augusta	A-07-13HX	PL	CB/GU	117	4
Augusta	A5175CB	PL	CB	107	4
Augusta	A5337PLRR	PL	CB/GY/RW	113	4
Augusta	A5338	PL		116	4
Augusta	A5338PLRR	PL	CB/GY/RW	116	4
Augusta	A5338RRCB	PL	CB	116	4
DEKALB	DKC61-22(RR2)	PL	GY	101	4
DEKALB	DKC61-73(RR2/YGCB)	PL	CB/GY	101	4
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	103	4
DEKALB	DKC64-23(RR2/YGRW)	PL	CB/GY/RW	104	4
DEKALB	DKC64-78(RR2/YGCB)	PL	CB/GY	104	4
DEKALB	DKC65-47(RR2)	PL	GY	105	4
DEKALB	DKC66-23(RR2/YGCB)	PL	CB/GY	106	4
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	107	4
DEKALB	DKC69-43(RR2)	PL	GY	109	4
DEKALB	DKC69-71(RR2/YGCB)	PL	CB/GY	109	4
DEKALB	RX754RR2/YGPL	PL	CB/GY/RW	112	4
Doebler's	785RB	PL	CB/GY	111	4
Doebler's	856XRR	PL	GY	115	4
Garst	8249YG1/RR	C	CB/GY/RW	114	3
Garst	8381HX/LL/IT	C	CB	111	3
Garst	8384CB/LL/RW	C	CB/GU/RW	111	3
Hytest	HT 7891 TS	C	CB/GY/RW	117	1
Hytest	HT 82-12 RB	C	CB/GY	117	1
Mid-Atlantic	MA7150Bt/CRW/RR	PL	CB/GY/RW	115	4
Mid-Atlantic	MA7188Bt	PL	CB	118	4
Mid-Atlantic	MA7197Bt/RR	PL	CB/GY	119	4
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	4
Mid-Atlantic	MA8139Bt/RR	PL	CB/GY	113	4
Mid-Atlantic	MA8160Bt/RR	PL	CB/GY	118	4
Mycogen Seed	F2F721	C		113	3
Mycogen Seed	TMF 2Q753	C	CB/GU/GY	112	3
Mycogen Seed	TMF 2W726	C	CB/GU/RW	111	4
Pioneer	31G71	PL	CB/GY/GU	119	4
Pioneer	31R87	PL	GY	120	4

Table 1. List of Hybrids in the 2007 VA Tech Corn Silage Hybrid Test

Brand	Hybrid	IST[1]	GT[2]	DTM[3]	OBS[4]
Pioneer	33V16	PL	CB/GY	115	4
Seed Consultants	SC 10BL96	C	CB/GU	108	2
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	2
Seed Consultants	SC 11BR96	C	CB/GY	119	4
Seed Consultants	SC 11BR97	C	CB/GY	119	4
Seed Consultants	SC 11H76	PL	CB/GY//G	119	4
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	4
Seed Consultants	SC 11MT55	C	CB/GY/RW	115	4
Seed Consultants	SC 11RR86	C	GY	118	2
Seed Consultants	SC 12VTT08	PL	CB/GY/RW	120	4
Southern States	SS 647 VT3	PH	CB/GY/RW	110	4
Southern States	SS 661 VT3	PH	CB/GY/RW	111	4
Southern States	SS 731 CL	PH	IT	114	4
Southern States	SS 746 RR2YGCB	PH	CB/GY	115	4
Southern States	SS 783 RR2YGCB	PH	CB/GY	116	4
Southern States	SS 791 CL	PH	IT	117	4
Southern States	SS 842 RR2	PH	GY	119	4
Southern States	SS E 95048	PH	IT	113	4
T.A. Seeds	TA678-13	PL	CB/GY/RW	111	2
T.A. Seeds	TA777-11	PL	CB	115	3
T.A. Seeds	TA780-13	PL	CB/GY/RW	117	2

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-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.

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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Ton per Acre[3]									
Seed Consultants	SC 11BR96	119	145 *		110 *		119 *		112		121	4
Southern States	SS 731 CL	114	150 *		111 *		104		113		120	4
Hytest	HT 82-12 RB	117	118								118	1
Mid-Atlantic	MA8088VT3	108	114		118 *		91		126 *		112	4
Southern States	SS 783 RR2YGCB	116	114		109		93		129 *		111	4
Augusta	A-06-02HXP	119	121 *	105	111 *	113 *	101	115 *			111	6
T.A. Seeds	TA780-13	117	125 *		112 *	96					111	3
Augusta	A-07-13HX	117	92		119 *		107		123 *		110	4
Augusta	A-06-15CLP	119	85	105	101	111 *	110	119 *	112	138 *	110	8
DEKALB	DKC63-42(VT3)	103	141 *		109 *		91		99		110	4
Augusta	A-06-07CB	108	122 *		100		104		115		110	4
Mid-Atlantic	MA8160Bt/RR	118	104		103		134 *		96		109	4
DEKALB	DKC64-23(RR2/YGRW)	104	122 *		119 *		92		103		109	4
Seed Consultants	SC 10MT97	108	84		131 *						108	2
Augusta	A-05-27AACB	111			108	112 *	108	106	90	121 *	107	6
Augusta	A-04-102CB	118	119 *	106	105	110 *	109	103	105	100	107	8
Augusta	A-04-94CB	119	136 *	108	94	103	102	115 *	88	112	107	8
Pioneer	33V16	115	90	106	82	107	114	119 *	129 *	104	106	8
Augusta	A-04-103RRCB	119	79	112 *	99	106	126 *	108			105	6
Augusta	A-06-10HX	113	103		101		99		118		105	4
DEKALB	DKC61-73(RR2/YGCB)	101	131 *		92		94		102		105	4
Augusta	A5175CB	107	125 *		126 *		91		76		105	4
Mid-Atlantic	MA8139Bt/RR	113	129 *		92		94		102		104	4
Augusta	A-06-06	112	115		91		110		98		104	4
Augusta	A-07-09	108	124 *		89		97				103	3
DEKALB	DKC66-23(RR2/YGCB)	106	126 *	96	104	99	102	93			103	6
Hytest	HT 7891 TS	117	103								103	1
Mid-Atlantic	MA7197Bt/RR	119	109	99	92	100	104	102	109	106	103	8
Augusta	A5338PLRR	116	104	88	114 *	95	102	109	107	102	103	8
Southern States	SS 647 VT3	110	98		102		97		112		102	4
Garst	8384CB/LL/RW	111	77		127 *		101				102	3
Doebler's	785RB	111	108		104		93				102	3
Southern States	SS 661 VT3	111	97		85		110		115		102	4
Southern States	SS 746 RR2YGCB	115	114		96		105		91		102	4
DEKALB	DKC64-78(RR2/YGCB)	104	117		91		97				101	3
T.A. Seeds	TA777-11	115	87		100		115				101	3
Pioneer	31G71	119	64	118 *	90	111 *	110	110	103	98	100	8
Southern States	SS E 95048	113	85		106		107		103		100	4
Doebler's	856XRR	115	125 *		85		92		98		100	4
Seed Consultants	SC 11MT45	114	90		103		111		95		100	4
DEKALB	DKC67-87(RR2/YGCB)	107	83		104		105		107		100	4
Southern States	SS 842 RR2	119	94		97		99		107		99	4
T.A. Seeds	TA678-13	111	106				92				99	2

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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Ton per Acre[3]									
DEKALB	DKC65-47(RR2)	105	92		95		89		119		99	4
Mycogen Seed	TMF 2W726	111	95		98		114		87		99	4
Augusta	A-06-33RRCB	118	83	117 *	100	95	90	102			98	6
Seed Consultants	SC 11BR97	119	93		105		111		81		97	4
Garst	8249YG1/RR	114	98		90		104				97	3
Mid-Atlantic	MA7150Bt/CRW/RR	115	83	82	109 *	100	97	108	91	106	97	8
Seed Consultants	SC 12VTT08	120	93		93		94		108		97	4
Southern States	SS 791 CL	117	110	103	106	100	89	91	67	106	96	8
DEKALB	DKC61-22(RR2)	101	80	104	100	97	85	97	103	96	95	8
Augusta	A5338	116	78	100	86	99	98	103	95	99	95	8
Augusta	A-07-007	116	113		78		87		101		95	4
Garst	8381HX/LL/IT	111	81		100		101				94	3
DEKALB	DKC69-43(RR2)	109	77		90		98		111		94	4
Pioneer	31R87	120	61	118 *	91	107	100	102	90	80	94	8
Augusta	A5337PLRR	113	47	115 *	117 *	100	96	92	86	90	93	8
Seed Consultants	SC 11MT55	115	80		103		89		99		93	4
Augusta	A-07-08	118	96		83		101		90		93	4
DEKALB	RX754RR2/YGPL	112	78		115 *		75		94		90	4
Mycogen Seed	TMF 2Q753	112	99		78		92				90	3
Augusta	A5338RRCB	116	94		87		83		94		90	4
DEKALB	DKC69-71(RR2/YGCB)	109	97		92		105		64		89	4
Seed Consultants	SC 11RR86	118	70		103						87	2
Mid-Atlantic	MA7188Bt	118	89		84		89		82		86	4
Mycogen Seed	F2F721	113	87		78		90				85	3
Seed Consultants	SC 10BL96	108	65		99						82	2
Seed Consultants	SC 11H76	119	88		85		90		58		80	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 Ton per Acre (yield) calculated by dividing Ton per Acre for each hybrid at each site/year by the average Ton 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 within one LSD of the top performer for that site/year which appeared in at least three or more 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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Milk per Ton[3]									
Hytest	HT 82-12 RB	117	112 *								112	1
Hytest	HT 7891 TS	117	112 *								112	1
Mycogen Seed	F2F721	113	111 *		110 *		111 *				110	3
DEKALB	DKC64-78(RR2/YGCB)	104	126 *		102		100				110	3
Augusta	A-06-10HX	113	101		106 *		102		128 *		109	4
Mycogen Seed	TMF 2Q753	112	128 *		101		100				109	3
Southern States	SS 783 RR2YGCB	116	115 *		96		97		129 *		109	4
Seed Consultants	SC 11MT55	115	108 *		102		106 *		120 *		109	4
DEKALB	DKC65-47(RR2)	105	101		107 *		102		124 *		108	4
Pioneer	31R87	120	128 *	103	94	102	100	102	141 *	93	108	8
Mid-Atlantic	MA7150Bt/CRW/RR	115	109 *	101	104 *	96	106 *	102	139 *	101 *	107	8
Southern States	SS 647 VT3	110	104		98		99		126 *		107	4
Doebler's	785RB	111	114 *		101		105				107	3
Augusta	A5338RRCB	116	112 *		106 *		102		105 *		106	4
Augusta	A-04-102CB	118	116 *	97	104 *	109	102	103 *	118 *	100	106	8
Augusta	A-07-007	116	111 *		97		102		114 *		106	4
Augusta	A-06-33RRCB	118	125 *	98	102	103	105	101			106	6
DEKALB	DKC64-23(RR2/YGRW)	104	110 *		101		97		111 *		105	4
DEKALB	DKC61-73(RR2/YGCB)	101	99		102		93		125 *		105	4
Augusta	A-04-94CB	119	109 *	101	104 *	99	99	102	124 *	97	104	8
Garst	8249YG1/RR	114	111 *		99		103				104	3
Seed Consultants	SC 11H76	119	127 *		93		99		95		103	4
Seed Consultants	SC 10BL96	108	105 *		102						103	2
Doebler's	856XRR	115	84		103		103		123 *		103	4
Southern States	SS E 95048	113	90		102		96		125 *		103	4
Southern States	SS 746 RR2YGCB	115	99		103		102		108 *		103	4
Augusta	A5175CB	107	88		99		98		124 *		102	4
DEKALB	DKC66-23(RR2/YGCB)	106	107 *	101	100	101	98	97			101	6
Mid-Atlantic	MA8088VT3	108	121 *		94		89		99 *		101	4
Augusta	A5337PLRR	113	108 *	99	97	97	102	100	95	103 *	100	8
Mycogen Seed	TMF 2W726	111	90		103		99		108 *		100	4
Seed Consultants	SC 11BR96	119	96		103		104		97		100	4
Southern States	SS 842 RR2	119	92		98		102		107 *		100	4
Southern States	SS 731 CL	114	74		100		96		129 *		100	4
Mid-Atlantic	MA8160Bt/RR	118	95		104 *		103		97		100	4
Seed Consultants	SC 11MT45	114	107 *		100		99		91		100	4
Seed Consultants	SC 11BR97	119	102		102		105		89		99	4
Augusta	A-05-27AACB	111			103	96	97	97	98	105 *	99	6
DEKALB	DKC69-43(RR2)	109	82		103		97		115 *		99	4
Garst	8381HX/LL/IT	111	94		99		103				99	3
Augusta	A-04-103RRCB	119	80	100	105 *	102	102	104 *			99	6
Mid-Atlantic	MA7197Bt/RR	119	90	105	94	106	97	105 *	93	100	99	8
T.A. Seeds	TA777-11	115	102		98		95				98	3

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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Milk per Ton[3]									
Mid-Atlantic	MA8139Bt/RR	113	109 *		97		102		85		98	4
Augusta	A5338PLRR	116	94	104	102	105	105	100	76	102 *	98	8
Seed Consultants	SC 10MT97	108	101		95						98	2
DEKALB	DKC61-22(RR2)	101	99	100	97	96	99	97	93	103 *	98	8
Augusta	A-06-15CLP	119	93	102	105 *	101	105	104 *	69	100 *	97	8
DEKALB	DKC63-42(VT3)	103	102		100		97		90		97	4
Garst	8384CB/LL/RW	111	102		94		94				97	3
T.A. Seeds	TA780-13	117	94		97	100					97	3
Pioneer	31G71	119	78	97	100	106	93	96	103 *	100	97	8
Southern States	SS 791 CL	117	85	94	96	103	102	102	87	103 *	96	8
Pioneer	33V16	115	83	96	99	100	99	100	90	102 *	96	8
Mid-Atlantic	MA7188Bt	118	103		95		101		85		96	4
Augusta	A5338	116	83	109	99	109	106 *	105 *	53	103 *	96	8
T.A. Seeds	TA678-13	111	94				97				95	2
Augusta	A-06-07CB	108	88		101		101		89		95	4
Seed Consultants	SC 12VTT08	120	84		94		100		100 *		95	4
Augusta	A-06-02HXP	119	86	87	95	96	96	100			93	6
Southern States	SS 661 VT3	111	87		101		96		88		93	4
DEKALB	DKC69-71(RR2/YGCB)	109	85		95		99		91		93	4
Augusta	A-07-09	108	83		100		95				93	3
Seed Consultants	SC 11RR86	118	87		97						92	2
DEKALB	RX754RR2/YGPL	112	101		101		101		61		91	4
DEKALB	DKC67-87(RR2/YGCB)	107	104		97		98		59		90	4
Augusta	A-06-06	112	101		104 *		95		59		90	4
Augusta	A-07-13HX	117	101		102		102		46		88	4
Augusta	A-07-08	118	74		97		99		81		88	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 Ton (quality) calculated by dividing Milk per Ton for each hybrid at each site/year by the average Milk per Ton 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 within one LSD of the top performer for that site/year which appeared in at least three or more 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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Milk per Acre[3]									
Hytest	HT 82-12 RB	117	132 *								132	1
Southern States	SS 783 RR2YGCB	116	131 *		105 *		89		163 *		122	4
Seed Consultants	SC 11BR96	119	139 *		113 *		123 *		106 *		120	4
Mid-Atlantic	MA8088VT3	108	139 *		111 *		88		140 *		119	4
Augusta	A-06-10HX	113	109		107 *		101		152 *		117	4
Southern States	SS 731 CL	114	112 *		111 *		100		143 *		116	4
Augusta	A-04-94CB	119	150 *	115 *	98	106 *	100	113	117 *	118 *	115	8
DEKALB	DKC64-23(RR2/YGRW)	104	130 *		120 *		89		111 *		113	4
DEKALB	DKC64-78(RR2/YGCB)	104	147 *		93		97				112	3
Augusta	A-04-102CB	118	130 *	106	109 *	117 *	110	105	117 *	101	112	8
Hytest	HT 7891 TS	117	111 *								111	1
DEKALB	DKC63-42(VT3)	103	152 *		108 *		88		96		111	4
DEKALB	DKC61-73(RR2/YGCB)	101	130 *		94		92		126 *		110	4
Mid-Atlantic	MA8160Bt/RR	118	104		107 *		136 *		94		110	4
Southern States	SS 647 VT3	110	100		101		96		138 *		109	4
T.A. Seeds	TA780-13	117	118 *		110 *	97					108	3
Doebler's	785RB	111	121 *		105 *		98				108	3
Augusta	A-06-15CLP	119	78	102	106 *	113 *	116	126 *	78	139 *	107	8
DEKALB	DKC65-47(RR2)	105	90		101		90		147 *		107	4
Augusta	A-05-27AACB	111			110 *	106 *	104	103	88	130 *	107	6
Mid-Atlantic	MA7150Bt/CRW/RR	115	96	86	114 *	91	102	112	143 *	109	107	8
Augusta	A-06-02HXP	119	116 *	91	104 *	109 *	97	121 *			106	6
Seed Consultants	SC 10MT97	108	87		125 *						106	2
DEKALB	DKC66-23(RR2/YGCB)	106	136 *	101	103 *	106	100	90			106	6
Pioneer	33V16	115	75	106	81	108 *	123 *	116 *	130 *	106	105	8
Augusta	A-04-103RRCB	119	71	110	104 *	106 *	128 *	110			105	6
Mid-Atlantic	MA8139Bt/RR	113	142 *		96		97		85		105	4
Augusta	A-06-07CB	108	110		99		104		105 *		104	4
Augusta	A5175CB	107	107		125 *		89		97		104	4
Southern States	SS 746 RR2YGCB	115	109		99		107		102 *		104	4
Southern States	SS E 95048	113	76		107 *		102		127 *		103	4
Augusta	A5338PLRR	116	99	95	116 *	100	107	108	79	120 *	103	8
Mid-Atlantic	MA7197Bt/RR	119	101	105	87	109 *	101	110	98	108	102	8
Augusta	A-06-33RRCB	118	102	111	101	97	95	106			102	6
Doebler's	856XRR	115	103		87		95		119 *		101	4
Garst	8249YG1/RR	114	108		88		106				101	3
T.A. Seeds	TA777-11	115	92		99		108				100	3
Augusta	A-07-007	116	120 *		76		88		114 *		99	4
Seed Consultants	SC 11MT45	114	96		104 *		109		86		99	4
Garst	8384CB/LL/RW	111	81		120 *		95				99	3
Pioneer	31R87	120	79	122 *	86	109 *	98	106	115 *	74	99	8
Seed Consultants	SC 11MT55	115	86		105 *		93		110 *		99	4
Mycogen Seed	TMF 2Q753	112	126 *		78		91				98	3

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]
			2007	2006	2007	2006	2007	2006	2007	2006		
			Relative Milk per Acre[3]									
DEKALB	DKC69-43(RR2)	109	65		92		96		141 *		98	4
Augusta	A-07-09	108	112 *		88		93				98	3
Augusta	A-07-13HX	117	97		121 *		109		64		98	4
Southern States	SS 842 RR2	119	86		95		100		107 *		97	4
Pioneer	31G71	119	48	114 *	89	117 *	102	107	104 *	92	97	8
Mycogen Seed	TMF 2W726	111	78		101		113		91		96	4
Seed Consultants	SC 11BR97	119	92		107 *		116		64		95	4
Southern States	SS 791 CL	117	98	100	101	105	90	94	56	108	94	8
T.A. Seeds	TA678-13	111	99				89				94	2
Garst	8381HX/LL/IT	111	78		99		104				94	3
Augusta	A5338RRCB	116	102		93		84		96		94	4
Mycogen Seed	F2F721	113	96		86		99				93	3
DEKALB	DKC61-22(RR2)	101	81	98	97	93	84	93	95	104	93	8
Augusta	A5338	116	64	114 *	91	107 *	103	106	53	100	92	8
Southern States	SS 661 VT3	111	81		86		105		97		92	4
Augusta	A5337PLRR	113	49	107	114 *	96	98	92	82	84	90	8
Augusta	A-06-06	112	110		95		104		53		90	4
Seed Consultants	SC 12VTT08	120	72		88		93		105 *		89	4
DEKALB	DKC67-87(RR2/YGCB)	107	89		101 *		103		64		89	4
Seed Consultants	SC 10BL96	108	71		100						86	2
DEKALB	RX754RR2/YGPL	112	77		116 *		80		64		84	4
DEKALB	DKC69-71(RR2/YGCB)	109	81		88		103		60		83	4
Augusta	A-07-08	118	75		80		100		75		82	4
Seed Consultants	SC 11RR86	118	63		99						81	2
Seed Consultants	SC 11H76	119	111 *		80		89		42		80	4
Mid-Atlantic	MA7188Bt	118	86		80		90		63		80	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 within one LSD of the top performer for that site/year which appeared in at least three or more site/years.

Table 5. 2007 Corn Silage Test Results 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
DEKALB	DKC63-42(VT3)	103	38.69	23.28 *	8.15 *	6.19	24.86	46.36	60.46	0.68	68.44 *	2468	21355 *
Augusta	A-04-94CB	119	33.15	22.39 *	7.84 *	6.45	29.03 *	52.73	67.01	0.66	66.44	2640 *	21003 *
DEKALB	DKC64-78(RR2/YGCB)	104	35.94	19.26	6.74	6.13	28.02	51.49	65.40	0.66	66.93	3052 *	20557 *
Mid-Atlantic	MA8139Bt/RR	113	37.31	21.26 *	7.44 *	6.13	25.62	47.49	65.20	0.68	68.08 *	2640 *	19886 *
Seed Consultant	SC 11BR96	119	32.99	23.85 *	8.35 *	6.29	26.52	49.22	65.98	0.67	67.65	2319	19505 *
Mid-Atlantic	MA8088VT3	108	39.38	18.84	6.59	6.16	26.82	49.25	64.55	0.67	67.51	2934 *	19415 *
DEKALB	DKC66-23(RR2/YGCB)	106	35.39	20.73 *	7.26 *	5.92	28.36	52.09	65.63	0.66	66.76	2605 *	19026 *
Hytest	HT 82-12 RB	117	32.76	19.46	6.81	6.58 *	26.71	47.93	64.68	0.67	67.56	2721 *	18448 *
Southern States	SS 783 RR2YGCB	116	37.03	18.81	6.58	6.00	30.81 *	56.63 *	62.87	0.65	65.58	2787 *	18398 *
Augusta	A-04-102CB	118	34.76	19.62 *	6.87 *	6.21	25.45	46.63	65.59	0.68	68.16 *	2810 *	18280 *
DEKALB	DKC64-23(RR2/YGRW)	104	37.49	20.09 *	7.03 *	6.88 *	24.41	46.33	63.71	0.68	68.66 *	2675 *	18261 *
DEKALB	DKC61-73(RR2/YGCB)	101	38.24	21.56 *	7.55 *	6.92 *	25.47	47.48	62.95	0.68	68.15 *	2406	18191 *
Mycogen Seed	TMF 2Q753	112	36.22	16.33	5.72	6.54 *	26.77	49.33	65.85	0.67	67.53	3090 *	17588 *
Doebler's	785RB	111	36.17	17.85	6.25	5.92	26.09	47.41	66.37	0.67	67.85	2751 *	16958 *
Augusta	A-07-007	116	35.63	18.63	6.52	6.53 *	26.41	48.35	65.56	0.67	67.70	2697 *	16795 *
T.A. Seeds	TA780-13	117	35.87	20.54 *	7.19 *	6.23	25.62	47.44	65.59	0.68	68.08 *	2281	16524 *
Augusta	A-06-02HXP	119	34.73	19.88 *	6.96 *	5.65	28.22	51.21	65.07	0.66	66.83	2087	16294 *
Augusta	A-07-09	108	43.20	20.50 *	7.17 *	6.59 *	23.67	44.41	64.28	0.69 *	69.01 *	2003	15759 *
Southern States	SS 731 CL	114	35.71	24.79 *	8.68 *	5.84	28.96 *	52.43	62.00	0.66	66.47	1796	15646 *
Hytest	HT 7891 TS	117	34.31	17.01	5.96	6.57 *	27.27	50.21	67.13	0.67	67.29	2705 *	15619 *
Seed Consultant	SC 11H76	119	32.77	14.43	5.05	5.94	28.88 *	52.46	64.96	0.66	66.51	3078 *	15588 *
Augusta	A-06-07CB	108	38.57	20.07 *	7.02 *	6.28	27.10	49.21	63.31	0.67	67.37	2135	15448
Augusta	A-06-06	112	39.62	18.97	6.64	6.74 *	24.99	46.79	64.78	0.68	68.38 *	2447	15354
Augusta	A-06-10HX	113	35.91	17.01	5.95	7.01 *	26.75	50.10	64.14	0.67	67.53	2455	15292
Southern States	SS 746 RR2YGCB	115	32.23	18.85	6.60	5.93	30.75 *	53.66 *	63.53	0.65	65.61	2411	15290
Garst	8249YG1/RR	114	35.91	16.14	5.65	6.23	26.94	48.49	65.26	0.67	67.45	2687 *	15062
Augusta	A5175CB	107	38.91	20.66 *	7.23 *	6.13	26.42	49.15	65.18	0.67	67.70	2142	14922
Mid-Atlantic	MA8160Bt/RR	118	33.64	17.21	6.02	6.12	27.76	49.85	65.58	0.66	67.05	2314	14560
Doebler's	856XRR	115	35.87	20.63 *	7.22 *	6.19	25.72	47.12	65.19	0.68	68.03	2029	14385
Augusta	A-06-33RRCB	118	33.50	13.62	4.77	6.23	28.86 *	50.95	63.50	0.66	66.52	3040 *	14357
Augusta	A5338RRCB	116	31.11	15.57	5.45	6.32	28.73 *	52.06	66.26	0.66	66.59	2720 *	14343
Mid-Atlantic	MA7197Bt/RR	119	33.83	18.02	6.31	6.56 *	28.27	52.08	65.71	0.66	66.80	2189	14111
Southern States	SS 647 VT3	110	37.94	16.22	5.68	5.82	26.84	49.32	63.66	0.67	67.49	2519	14059
Augusta	A5338PLRR	116	36.19	17.20	6.02	6.13	26.25	47.61	65.23	0.67	67.78	2268	13891
T.A. Seeds	TA678-13	111	43.15	17.42	6.10	6.38	24.04	45.16	63.10	0.68	68.84 *	2274	13836
Southern States	SS 791 CL	117	34.95	18.09	6.33	6.26	28.58 *	53.21 *	65.14	0.66	66.65	2062	13667
Augusta	A-07-13HX	117	33.64	15.18	5.31	6.01	29.10 *	53.07 *	62.06	0.66	66.41	2455	13610
Mid-Atlantic	MA7150Bt/CRW/RR	115	35.89	13.61	4.76	6.79 *	25.18	46.52	66.09	0.68	68.29 *	2636 *	13451
Mycogen Seed	F2F721	113	33.72	14.32	5.01	6.44	26.97	50.64	70.04 *	0.67	67.43	2681 *	13387
Seed Consultant	SC 11MT45	114	35.23	14.82	5.19	6.23	26.26	47.81	65.86	0.67	67.77	2605 *	13381
Seed Consultant	SC 11BR97	119	32.02	15.26	5.34	6.33	29.48 *	52.70	66.84	0.65	66.22	2474	12925
T.A. Seeds	TA777-11	115	37.66	14.30	5.00	6.29	26.33	48.51	63.07	0.67	67.74	2478	12888
DEKALB	DKC65-47(RR2)	105	35.24	15.12	5.29	7.07 *	27.63	51.74	65.88	0.66	67.11	2442	12557
DEKALB	DKC67-87(RR2/YGCB)	107	36.80	13.62	4.77	5.86	29.18 *	51.87	64.57	0.66	66.37	2523	12455
Seed Consultant	SC 10MT97	108	39.73	13.89	4.86	6.59 *	24.46	46.74	65.69	0.68	68.64 *	2456	12122
Southern States	SS 842 RR2	119	33.94	15.50	5.42	6.93 *	27.12	50.64	63.58	0.67	67.35	2232	12114
Mid-Atlantic	MA7188Bt	118	34.47	14.73	5.15	6.76 *	27.82	51.80	66.05	0.66	67.02	2504	12033
Seed Consultant	SC 11MT55	115	35.25	13.12	4.59	6.33	27.03	49.10	65.31	0.67	67.40	2626 *	11981

Table 5. 2007 Corn Silage Test Results 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
Southern States	SS 661 VT3	111	38.53	15.98	5.59	6.30	26.21	47.17	61.86	0.67	67.80	2118	11393
Garst	8384CB/LL/RW	111	39.97	12.72	4.45	6.84 *	22.99	44.02	63.39	0.69 *	69.34 *	2475	11372
DEKALB	DKC69-71(RR2/YGCB)	109	34.24	15.98	5.59	6.68 *	29.43 *	54.72 *	63.67	0.66	66.24	2069	11368
DEKALB	DKC61-22(RR2)	101	37.77	13.22	4.63	6.99 *	24.75	46.72	62.48	0.68	68.50 *	2401	11308
Pioneer	31R87	120	34.17	10.12	3.54	5.98	29.15 *	52.36	64.68	0.66	66.38	3110 *	10999
Garst	8381HX/LL/IT	111	32.76	13.40	4.69	5.91	27.73	49.38	62.99	0.66	67.06	2279	10977
Augusta	A-06-15CLP	119	33.01	13.95	4.88	6.27	29.20 *	51.91	65.35	0.66	66.36	2250	10939
Mycogen Seed	TMF 2W726	111	36.47	15.70	5.50	6.73 *	27.12	49.85	64.09	0.67	67.36	2180	10932
DEKALB	RX754RR2/YGPL	112	38.62	12.85	4.50	6.90 *	24.60	45.79	63.06	0.68	68.57 *	2456	10738
Southern States	SS E 95048	113	36.02	13.94	4.88	6.40	26.62	49.68	63.47	0.67	67.60	2172	10716
Augusta	A-07-08	118	36.38	15.85	5.55	6.15	27.63	50.18	63.74	0.67	67.11	1791	10478
Pioneer	33V16	115	37.93	14.88	5.21	6.18	28.57 *	51.71	64.42	0.66	66.66	2005	10441
Seed Consultant	SC 12VTT08	120	32.91	15.32	5.36	5.92	30.77 *	56.87 *	67.16	0.65	65.60	2044	10041
Augusta	A-04-103RRCB	119	33.19	13.04	4.56	6.41	27.71	51.15	67.61	0.66	67.07	1940	9942
Seed Consultant	SC 10BL96	108	39.33	10.69	3.74	6.89 *	23.45	44.87	63.04	0.69 *	69.12 *	2537 *	9888
DEKALB	DKC69-43(RR2)	109	35.56	12.64	4.42	6.84 *	26.10	48.81	66.22	0.68	67.85	1977	9071
Augusta	A5338	116	32.52	12.91	4.52	6.93 *	26.15	48.42	65.65	0.67	67.82	2017	8919
Seed Consultant	SC 11RR86	118	32.59	11.56	4.04	5.91	31.22 *	54.20 *	64.77	0.65	65.39	2116	8862
Augusta	A5337PLRR	113	36.17	7.73	2.71	5.90	26.14	47.99	65.59	0.67	67.83	2618 *	6911
Pioneer	31G71	119	35.72	10.59	3.71	6.50	26.29	49.83	67.14	0.67	67.76	1892	6705
	Site Average		35.83	16.49	5.77	6.36	27.06	49.68	64.79	0.67	67.38	2423	14008
	LSD (0.10)		2.16	5.25	1.84	0.57	2.68	4.00	2.16	0.01	1.29	574	5832
	CV		4.67	24.51	24.51	7.73	8.47	6.90	2.85	1.75	1.64	18	32

[1]Days 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 (2006 & 2007) 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	A-04-94CB	119	33.47	24.10 *	8.44 *	6.86 *	29.20 *	51.34 *	63.82 *	0.66	67.13	2797 *	23914 *
DEKALB	DKC66-23(RR2/YGCB)	106	38.09	21.83	7.64	6.26	26.60	47.68	63.26 *	0.67	67.72	2826 *	22025 *
Augusta	A-04-102CB	118	35.26	22.07 *	7.73	6.58 *	26.97	47.90	63.70 *	0.67	67.95	2874 *	21301 *
Pioneer	31R87	120	35.51	20.43	7.15	6.30	28.23	49.02	63.17 *	0.67	67.87	3144 *	21247 *
Augusta	A-06-02HXP	119	36.63	23.32 *	8.16 *	5.86	30.71 *	52.47 *	60.51	0.64	65.03	2453	20630 *
Augusta	A-06-33RRCB	118	34.30	20.76	7.27	6.72 *	28.95 *	49.81 *	60.83	0.66	66.81	3040 *	20117 *
Mid-Atlantic	MA7197Bt/RR	119	33.54	20.87	7.30	6.60 *	28.79 *	50.70 *	63.73 *	0.67	68.43 *	2638	19664
Augusta	A-04-103RRCB	119	35.31	20.94	7.33	6.03	29.11 *	50.65 *	64.23 *	0.66	67.69	2512	19272
Augusta	A5338	116	33.96	19.15	6.70	6.91 *	26.61	46.93	63.71 *	0.69 *	69.65 *	2687	19260
Southern States	SS 791 CL	117	36.64	21.40	7.49	6.52 *	29.56 *	52.34 *	62.52	0.65	66.54	2430	18901
Augusta	A5338PLRR	116	36.03	19.07	6.67	6.33	26.69	46.52	63.19 *	0.68 *	68.86 *	2676	18480
DEKALB	DKC61-22(RR2)	101	38.02	19.90	6.97	7.02 *	24.93	44.96	60.47	0.68 *	68.42 *	2742	18394
Pioneer	31G71	119	35.71	19.37	6.78	6.30	28.00	49.38 *	63.34 *	0.66	67.56	2448	18148
Mid-Atlantic	MA7150Bt/CRW/RR	115	35.44	17.03	5.96	6.47 *	26.85	46.77	63.36 *	0.68 *	68.68 *	2888 *	17913
Pioneer	33V16	115	38.43	20.14	7.05	6.36	29.32 *	50.77 *	61.68	0.66	66.77	2421	17683
Augusta	A-06-15CLP	119	33.20	19.58	6.85	5.97	29.87 *	50.61 *	62.94 *	0.67	67.61	2635	17603
Augusta	A5337PLRR	113	38.97	19.02	6.65	5.83	26.22	46.22	63.60 *	0.67	68.07 *	2840 *	17324
	Site Average		35.79	20.53	7.18	6.41	28.04	49.06	62.83	0.67	67.69	2709	19522
	LSD (0.10)		2.33	3.04	1.06	0.57	2.26	3.1	1.62	0.02	1.69	347	3933
	CV		7.42	16.84	16.84	9.86	8.91	7.01	2.86	2.94	2.76	14	21

[1]Days 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 (2005, 2006 & 2007) 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	A-04-94CB	119	32.99	20.86 *	7.30 *	7.72 *	26.79 *	46.83 *	64.51 *	0.69 *	70.02 *	3093 *	21469 *
Pioneer	31R87	120	34.25	19.60 *	6.86 *	6.97	27.36 *	47.08 *	63.50 *	0.68	69.38 *	3239 *	21235 *
Mid-Atlantic	MA7197Bt/RR	119	33.10	18.74	6.56 *	7.48 *	26.99 *	47.19 *	64.58 *	0.70 *	70.52 *	2959 *	18943 *
	Site Average		33.45	19.73	6.91	7.39	27.05	47.03	64.20	0.69	69.97	3097	20549
	LSD (0.10)		1.92	2.51	0.88	0.52	1.51	2.02	1.15	0.01	0.97	268	2945
	CV		7.82	17.25	17.24	9.08	7.18	5.55	2.31	2.25	1.78	11	18

[1]Days 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. 2007 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 Consultant	SC 10MT97	108	34.90	12.10 *	4.23 *	7.10	32.58	60.75	62.62	0.64 *	64.73 *	2652	11312 *
Augusta	A5175CB	107	32.93	11.67 *	4.09 *	7.37	30.29	57.26	62.99	0.65 *	65.83 *	2755	11302 *
Augusta	A-07-13HX	117	30.77	11.00 *	3.85 *	6.79	31.68	59.65	61.76	0.65 *	65.17 *	2830	10896 *
DEKALB	DKC64-23(RR2/YGRW)	104	33.28	11.02 *	3.86 *	7.19	30.77	56.75	60.54	0.65 *	65.60 *	2804	10829 *
Garst	8384CB/LL/RW	111	39.56	11.76 *	4.11 *	6.58	31.38	58.21	62.45	0.65 *	65.31 *	2629	10804 *
DEKALB	RX754RR2/YGPL	112	35.12	10.65 *	3.73 *	7.46	29.64	55.50	61.92	0.65 *	66.14 *	2811	10494 *
Augusta	A5338PLRR	116	26.32	10.54 *	3.69 *	7.64	31.06	57.82	61.83	0.65 *	65.46 *	2834	10469 *
Augusta	A5337PLRR	113	26.98	10.79 *	3.78 *	7.71	32.96	58.17	63.04	0.64 *	64.55	2713	10294 *
Mid-Atlantic	MA7150Bt/CRW/RR	115	26.04	10.09 *	3.53 *	7.74	30.81	58.03	63.43	0.65 *	65.58 *	2898 *	10247 *
Seed Consultant	SC 11BR96	119	23.85	10.17 *	3.56 *	6.97	34.28	61.32 *	64.69	0.63 *	63.92	2868	10191 *
Southern States	SS 731 CL	114	29.47	10.27 *	3.60 *	6.62	31.31	58.50	60.47	0.64 *	65.34 *	2790	10010 *
Mid-Atlantic	MA8088VT3	108	34.86	10.89 *	3.82 *	6.63	33.89	61.01	60.36	0.63 *	64.10	2610	9992 *
T.A. Seeds	TA780-13	117	26.41	10.36 *	3.62 *	7.74	31.98	60.10	62.84	0.64 *	65.02 *	2690	9968 *
Augusta	A-05-27AACB	111	29.01	9.93	3.48	7.86 *	32.41	60.17	65.11	0.64 *	64.81 *	2877	9960 *
Augusta	A-04-102CB	118	26.20	9.69	3.39	7.07	31.69	58.99	63.51	0.64 *	65.16 *	2904 *	9835 *
DEKALB	DKC63-42(VT3)	103	34.09	10.08 *	3.53 *	6.48	30.70	57.00	60.92	0.65 *	65.63 *	2773	9786 *
Augusta	A-06-10HX	113	29.78	9.34	3.27	7.23	29.99	56.98	63.41	0.65 *	65.98 *	2961 *	9697 *
Seed Consultant	SC 11BR97	119	23.55	9.73	3.41	7.91 *	36.00 *	62.81 *	65.47	0.62	63.08	2843	9684 *
Southern States	SS E 95048	113	31.76	9.76	3.42	7.10	31.17	57.21	61.21	0.65 *	65.41 *	2852	9681 *
Mid-Atlantic	MA8160Bt/RR	118	24.42	9.52	3.34	6.98	32.87	59.64	63.55	0.64 *	64.60	2886 *	9637 *
Augusta	A-06-15CLP	119	24.72	9.34	3.27	7.44	33.68	60.93	66.59	0.64 *	64.21	2935 *	9597 *
Seed Consultant	SC 11MT55	115	25.62	9.54	3.34	7.91 *	34.50	61.67 *	64.34	0.63 *	63.81	2831	9496 *
Southern States	SS 783 RR2YGCB	116	30.75	10.03	3.51	6.68	33.92	62.13 *	60.19	0.63 *	64.09	2667	9445 *
Doebler's	785RB	111	26.84	9.60	3.36	7.54	32.89	60.14	61.83	0.64 *	64.58	2812	9434 *
Seed Consultant	SC 11MT45	114	23.84	9.53	3.33	7.85 *	34.47	61.29 *	63.47	0.63 *	63.82	2798	9415 *
Augusta	A-04-103RRCB	119	25.22	9.18	3.21	7.17	32.70	60.24	65.99	0.64 *	64.67	2924 *	9396 *
Augusta	A-06-02HXP	119	29.70	10.25 *	3.59 *	6.98	32.79	61.14 *	61.07	0.64 *	64.63	2650	9392 *
DEKALB	DKC66-23(RR2/YGCB)	106	31.32	9.60	3.36	7.04	31.89	59.54	61.85	0.64 *	65.06 *	2784	9314 *
DEKALB	DKC67-87(RR2/YGCB)	107	29.84	9.56	3.35	6.91	32.84	59.34	60.12	0.64 *	64.60	2709	9135 *
DEKALB	DKC65-47(RR2)	105	27.64	8.77	3.07	8.07 *	29.70	56.26	63.15	0.65 *	66.12 *	2973 *	9130
Augusta	A-06-33RRCB	118	24.89	9.19	3.22	7.10	33.53	59.84	62.27	0.64 *	64.28	2839	9123
Southern States	SS 791 CL	117	31.65	9.79	3.43	7.49	33.23	62.28 *	61.93	0.64 *	64.42	2667	9106
Mycogen Seed	TMF 2W726	111	28.72	9.04	3.17	7.24	30.77	58.55	64.19	0.65 *	65.60 *	2873	9093
Southern States	SS 647 VT3	110	28.55	9.43	3.30	7.32	33.22	61.01	62.27	0.63 *	64.42	2744	9088
Seed Consultant	SC 10BL96	108	32.62	9.11	3.19	7.04	31.08	57.76	61.39	0.65 *	65.45 *	2846	9067
Seed Consultant	SC 11RR86	118	23.06	9.51	3.33	6.82	38.61 *	65.68 *	63.32	0.61	61.83	2691	8977
Southern States	SS 746 RR2YGCB	115	23.61	8.86	3.10	7.79	32.57	58.43	63.85	0.64 *	64.73 *	2872	8967
Garst	8381HX/LL/IT	111	26.32	9.21	3.23	7.26	31.56	59.75	61.36	0.65 *	65.22 *	2762	8925
T.A. Seeds	TA777-11	115	27.24	9.20	3.22	7.05	32.44	59.89	61.13	0.64 *	64.80 *	2744	8907
Augusta	A-06-07CB	108	34.41	9.20	3.22	7.30	30.41	57.96	63.21	0.65 *	65.78 *	2806	8906
Augusta	A-04-94CB	119	25.35	8.71	3.05	7.55	32.96	59.70	64.65	0.64 *	64.55	2906 *	8882
DEKALB	DKC61-22(RR2)	101	32.96	9.27	3.25	7.13	34.03	60.87	61.29	0.63 *	64.03	2701	8714
Mid-Atlantic	MA8139Bt/RR	113	28.76	8.50	2.97	6.75	31.47	58.79	62.75	0.64 *	65.26 *	2708	8635
Augusta	A-06-06	112	29.31	8.41	2.94	7.09	30.81	57.27	61.66	0.65 *	65.58 *	2903 *	8567
Southern States	SS 842 RR2	119	26.53	8.95	3.13	7.95 *	31.67	60.55	63.62	0.64 *	65.17 *	2744	8563
DEKALB	DKC61-73(RR2/YGCB)	101	31.15	8.45	2.96	7.50	30.65	57.42	61.48	0.65 *	65.66 *	2844	8460
DEKALB	DKC64-78(RR2/YGCB)	104	28.86	8.36	2.93	7.35	30.55	58.37	63.37	0.65 *	65.71 *	2847	8415
Augusta	A5338RRCB	116	26.04	8.05	2.82	7.63	30.39	56.72	63.27	0.65 *	65.78 *	2964 *	8405

Table 8. 2007 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
DEKALB	DKC69-43(RR2)	109	28.38	8.33	2.92	8.51 *	32.66	60.55	64.20	0.64 *	64.69	2870	8340
Augusta	A5338	116	21.93	7.95	2.78	7.36	34.92	62.01 *	64.85	0.63 *	63.60	2747	8174
Pioneer	31G71	119	31.78	8.30	2.91	6.82	33.65	63.04 *	64.92	0.64 *	64.22	2791	8066
Augusta	A-07-09	108	32.95	8.18	2.86	7.44	33.37	59.95	62.58	0.64 *	64.35	2781	7979
Garst	8249YG1/RR	114	27.41	8.30	2.91	7.81	30.92	60.51	60.64	0.65 *	65.53 *	2764	7967
Seed Consultant	SC 12VTT08	120	22.86	8.54	2.99	7.56	33.31	63.43 *	63.34	0.63 *	64.38	2619	7911
DEKALB	DKC69-71(RR2/YGCB)	109	23.71	8.53	2.99	6.99	35.82 *	65.27 *	62.11	0.62	63.17	2646	7902
Mid-Atlantic	MA7197Bt/RR	119	26.67	8.52	2.98	7.65	32.71	62.05 *	63.18	0.64 *	64.67	2614	7842
Doebler's	856XRR	115	26.00	7.80	2.73	7.39	32.86	59.54	64.34	0.64 *	64.59	2863	7838
Mycogen Seed	F2F721	113	24.24	7.23	2.53	7.97 *	32.74	62.36 *	72.81 *	0.64 *	64.66	3059 *	7735
Pioneer	31R87	120	26.36	8.40	2.94	6.72	33.85	61.56 *	63.01	0.64 *	64.12	2616	7725
Southern States	SS 661 VT3	111	26.85	7.84	2.74	7.64	34.40	59.97	61.67	0.63 *	63.86	2816	7722
Pioneer	33V16	115	28.41	7.59	2.66	7.57	33.44	63.05 *	64.14	0.64 *	64.32	2763	7328
Augusta	A-07-08	118	25.86	7.65	2.68	6.91	33.52	62.20 *	61.92	0.63 *	64.28	2694	7233
Mid-Atlantic	MA7188Bt	118	29.61	7.72	2.70	7.92 *	33.31	62.01 *	61.75	0.64 *	64.38	2648	7226
Seed Consultant	SC 11H76	119	25.54	7.85	2.75	7.27	34.51	64.27 *	63.28	0.63 *	63.81	2597	7212
Mycogen Seed	TMF 2Q753	112	24.47	7.19	2.52	7.66	32.59	60.54	64.68	0.64 *	64.72 *	2806	7084
Augusta	A-07-007	116	28.69	7.21	2.52	7.74	35.54	64.50 *	62.89	0.62	63.31	2711	6830
	Site Average		28.26	9.23	3.23	7.33	32.59	60.09	62.94	0.64	64.73	2787	9027
	LSD (.10)		4.50	2.05	0.72	0.66	2.98	4.54	2.34	0.02	1.44	179	2181
	CV		13.58	18.92	18.93	7.59	7.77	6.42	3.16	2.06	1.88	5	20

[1]Days 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. Two-Year Average Corn Silage Test Results (2006 & 2007) 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
Augusta	A-04-102CB	118	31.91	15.90 *	5.57 *	7.71	28.83	52.59	62.57 *	0.66 *	66.90 *	2998 *	15945 *
Augusta	A-06-15CLP	119	30.02	15.85 *	5.55 *	7.81	32.51 *	56.64 *	62.67 *	0.64	64.93	2921 *	15435 *
Augusta	A5338	116	29.22	13.97	4.89	7.85	30.65 *	53.27	61.93 *	0.65 *	66.23 *	2932 *	15040 *
Augusta	A-06-02HXP	119	34.69	16.51 *	5.78 *	7.41	31.35 *	55.87 *	59.19	0.63	64.33	2693	14974 *
Pioneer	31G71	119	35.69	15.32 *	5.37 *	7.37	29.88	54.60 *	62.59 *	0.65 *	65.87 *	2902 *	14940 *
Augusta	A5338PLRR	116	32.00	14.87	5.21	8.01 *	29.45	52.69	60.93	0.65 *	66.37 *	2908 *	14779 *
Augusta	A-04-103RRCB	119	31.15	15.23 *	5.33 *	7.70	31.60 *	56.23 *	63.75 *	0.64	65.51	2922 *	14745 *
DEKALB	DKC66-23(RR2/YGCB)	106	36.81	14.77	5.17	7.59	29.27	53.16	61.20	0.64	65.66 *	2838	14630 *
Southern States	SS 791 CL	117	34.20	14.99	5.25 *	8.20 *	31.30 *	56.76 *	61.07	0.64	65.52	2791	14472 *
Augusta	A-04-94CB	119	30.26	14.73	5.16	7.82	32.08 *	56.16 *	60.62	0.64	64.71	2883 *	14451 *
Augusta	A5337PLRR	113	33.86	14.79	5.18	7.84	30.63 *	53.09	62.24 *	0.63	64.82	2749	14358 *
T.A. Seeds	TA780-13	117	33.96	14.81	5.18	8.08 *	29.74	53.87 *	62.13 *	0.64	65.43	2764	14215 *
Mid-Atlantic	MA7197Bt/RR	119	31.15	14.31	5.01	8.26 *	31.24 *	57.11 *	62.00 *	0.65 *	66.11 *	2795	14109 *
Pioneer	31R87	120	32.16	14.96	5.24	7.20	31.89 *	55.82 *	60.61	0.64	64.97	2745	14059
Augusta	A-05-27AACB	111	34.69	15.33 *	5.37 *	7.92 *	31.00 *	55.70 *	62.52 *	0.63	64.57	2835	13928
Augusta	A-06-33RRCB	118	30.58	14.17	4.96	7.58	31.02 *	54.26 *	60.03	0.64	65.28	2892 *	13799
Pioneer	33V16	115	35.64	14.57	5.10	7.68	30.72 *	55.87 *	62.29 *	0.64	65.04	2813	13697
DEKALB	DKC61-22(RR2)	101	37.61	14.42	5.05	7.60	31.12 *	54.74 *	59.89	0.63	64.10	2722	13169
Mid-Atlantic	MA7150Bt/CRW/RR	115	32.89	15.09 *	5.28 *	7.85	30.73 *	55.39 *	60.98	0.64	65.03	2851	13047
	Site Average		33.14	14.93	5.23	7.77	30.90	55.07	61.48	0.64	65.25	2831	14325
	LSD (.10)		2.91	1.5	0.53	0.37	2.08	3.36	1.83	0.01	1.26	137	1839
	CV		10.55	11.99	11.99	5.29	7.5	6.79	3.3	2.5	2.13	5	14

[1]Days 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 10. Three-Year Average Corn Silage Test Results (2005, 2006 & 2007) 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
T.A. Seeds	TA780-13	117	32.91	18.12 *	6.34 *	8.20	29.24	50.66	63.59 *	0.66 *	67.59 *	2954 *	19388 *
Augusta	A-04-94CB	119	30.70	17.96 *	6.29 *	8.34 *	30.85 *	52.83 *	61.99	0.66 *	66.83	3012 *	19252 *
Mid-Atlantic	MA7197Bt/RR	119	31.50	17.11 *	5.99 *	8.51 *	29.85	52.72 *	63.50 *	0.67 *	68.09 *	2980 *	18534 *
Pioneer	31R87	120	31.52	17.27 *	6.05 *	7.51	31.65 *	53.25 *	61.18	0.65	66.19	2867	17539 *
	Site Average		31.66	17.62	6.17	8.14	30.40	52.37	62.57	0.66	67.18	2953	18678
	LSD (0.10)		2.32	1.53	0.54	0.26	1.33	2.3	1.41	0.01	1	99	1924
	CV		10.53	12.52	12.52	4.36	5.99	6.02	3.08	2.43	2.05	5	14

[1]Days 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. 2007 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	MA8160Bt/RR	118	42.57	16.84 *	5.89 *	7.65	28.29	52.11	59.01	0.66	66.80	2685	15628 *
Augusta	A-04-103RRCB	119	39.67	15.86 *	5.55 *	8.02	30.14 *	56.08 *	60.14	0.65	65.90	2660	14739 *
Seed Consultant	SC 11BR96	119	35.86	14.93 *	5.23 *	7.85	31.25 *	57.73 *	60.20	0.65	65.37	2717	14133 *
Pioneer	33V16	115	43.94	14.37	5.03	8.30	28.80	53.75	58.31	0.66	66.55	2580	14113 *
Seed Consultant	SC 11BR97	119	38.34	13.96	4.89	8.37	28.42	52.63	57.86	0.66	66.73	2733	13310
Augusta	A-06-15CLP	119	35.64	13.87	4.86	8.20	30.63 *	56.61 *	60.08	0.65	65.67	2752	13281
Mycogen Seed	TMF 2W726	111	41.69	14.37	5.03	7.93	27.49	52.65	57.70	0.66	67.18 *	2601	13017
Augusta	A-04-102CB	118	38.48	13.65	4.78	7.93	27.86	53.88	56.96	0.66	67.00 *	2659	12657
Augusta	A-07-13HX	117	37.12	13.42	4.70	7.06	30.66 *	56.13 *	57.14	0.65	65.65	2670	12546
Seed Consultant	SC 11MT45	114	43.30	13.96	4.88	7.66	28.62	52.80	58.42	0.66	66.64	2594	12476
T.A. Seeds	TA777-11	115	44.82	14.48	5.07	8.21	26.55	50.17	54.68	0.67 *	67.63 *	2472	12389
Augusta	A5338PLRR	116	38.92	12.81	4.49	8.47	28.26	51.72	58.38	0.66	66.81 *	2746	12245
Southern States	SS 746 RR2YGCB	115	35.89	13.24	4.64	7.82	31.29 *	56.39 *	57.97	0.64	65.35	2660	12222
Garst	8249YG1/RR	114	38.52	13.09	4.58	7.71	29.27	54.61	57.83	0.66	66.32	2681	12171
Southern States	SS 661 VT3	111	40.31	13.86	4.85	7.82	29.72 *	53.02	54.43	0.65	66.11	2517	12062
Augusta	A-06-07CB	108	39.59	13.02	4.56	7.97	28.08	50.68	54.72	0.67 *	66.89 *	2630	11965
Augusta	A-06-06	112	43.31	13.85	4.85	8.12	28.51	53.43	54.04	0.66	66.69	2472	11946
Garst	8381HX/LL/IT	111	35.60	12.73	4.46	7.50	29.24	53.77	56.64	0.66	66.34	2704	11926
Augusta	A-05-27AACB	111	38.19	13.51	4.73	8.27	31.40 *	56.44 *	56.50	0.65	65.30	2548	11885
DEKALB	DKC69-71(RR2/YGCB)	109	38.29	13.15	4.60	7.83	31.03 *	58.88 *	57.80	0.65	65.47	2598	11876
DEKALB	DKC67-87(RR2/YGCB)	107	39.66	13.24	4.64	7.50	31.37 *	57.11 *	56.97	0.65	65.31	2570	11851
Augusta	A5338	116	36.56	12.29	4.30	8.56	29.24	54.52	60.64	0.66	66.34	2761 *	11828
Pioneer	31G71	119	44.59	13.77	4.82	7.83	31.02 *	57.71 *	56.95	0.65	65.48	2439	11733
Southern States	SS E 95048	113	42.47	13.44	4.71	8.05	29.02	55.34	56.13	0.66	66.44	2499	11679
Mid-Atlantic	MA7150Bt/CRW/RR	115	36.95	12.16	4.26	8.34	29.88 *	53.92	59.78	0.65	66.03	2761 *	11661
Augusta	A-06-10HX	113	36.57	12.38	4.34	8.73	30.27 *	56.82 *	58.16	0.65	65.84	2680	11576
Mid-Atlantic	MA7197Bt/RR	119	42.19	13.09	4.58	8.26	28.01	53.81	55.66	0.66	66.93 *	2530	11537
Augusta	A-04-94CB	119	39.77	12.77	4.47	8.22	29.03	54.08	57.07	0.66	66.44	2595	11523
Southern States	SS 842 RR2	119	36.29	12.39	4.34	8.87	29.93 *	57.83 *	58.32	0.65	66.01	2679	11516
Southern States	SS 731 CL	114	40.35	13.09	4.58	7.88	28.60	53.31	53.98	0.66	66.65	2520	11491
Augusta	A-07-08	118	41.78	12.65	4.43	7.99	29.62 *	55.31	58.11	0.66	66.15	2601	11488
DEKALB	DKC66-23(RR2/YGCB)	106	41.85	12.78	4.48	8.24	28.92	53.79	57.35	0.66	66.49	2566	11450
Mycogen Seed	F2F721	113	37.95	11.25	3.94	8.42	27.85	53.95	64.08 *	0.66	67.01 *	2898 *	11369
Doebler's	785RB	111	36.12	11.73	4.11	8.10	30.39 *	54.87	58.70	0.65	65.78	2753	11292
Pioneer	31R87	120	38.79	12.54	4.39	7.27	30.30 *	56.04 *	57.10	0.65	65.83	2625	11246
Augusta	A5337PLRR	113	38.39	12.07	4.22	8.54	28.10	51.72	56.98	0.67 *	66.89 *	2668	11222
DEKALB	DKC64-78(RR2/YGCB)	104	43.16	12.17	4.26	8.65	26.95	50.50	56.99	0.67 *	67.44 *	2628	11180
Augusta	A-06-02HXP	119	37.77	12.72	4.45	8.31	29.71 *	56.99 *	57.09	0.65	66.11	2515	11119
Mid-Atlantic	MA8139Bt/RR	113	41.78	11.86	4.15	8.31	28.00	52.39	57.83	0.66	66.93 *	2672	11091
Southern States	SS 647 VT3	110	41.71	12.17	4.26	8.22	28.85	54.33	57.83	0.66	66.53	2602	11033
DEKALB	DKC69-43(RR2)	109	42.35	12.33	4.32	8.69	28.64	53.24	56.66	0.66	66.63	2549	10962
Garst	8384CB/LL/RW	111	44.51	12.70	4.44	8.89	28.71	54.25	55.72	0.66	66.59	2463	10913
Augusta	A-06-33RRCB	118	35.13	11.27	3.94	8.39	30.10 *	54.64	56.99	0.65	65.92	2751	10849
Doebler's	856XRR	115	37.34	11.55	4.04	7.83	29.72 *	55.09	57.86	0.66	66.11	2701	10847
Seed Consultant	SC 12VTT08	120	35.47	11.78	4.12	7.37	31.16 *	59.70 *	59.93	0.65	65.41	2617	10722
Seed Consultant	SC 11MT55	115	33.46	11.15	3.90	8.61	32.03 *	57.29 *	58.92	0.64	65.00	2761 *	10668
Augusta	A-07-09	108	47.64	12.21	4.27	8.72	26.59	49.84	56.87	0.67 *	67.61 *	2494	10621
DEKALB	DKC61-73(RR2/YGCB)	101	43.04	11.81	4.13	8.35	26.23	49.77	54.08	0.67 *	67.78 *	2425	10514

Table 11. 2007 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
Mycogen Seed	TMF 2Q753	112	42.06	11.60	4.06	8.29	28.57	53.63	57.29	0.66	66.66	2611	10493
Southern States	SS 791 CL	117	38.82	11.13	3.90	8.58	27.68	54.21	57.00	0.66	67.09 *	2672	10361
DEKALB	DKC65-47(RR2)	105	36.95	11.14	3.90	9.56 *	28.87	54.08	55.21	0.66	66.52	2659	10348
Mid-Atlantic	MA7188Bt	118	38.83	11.24	3.93	8.01	30.12 *	56.59 *	57.80	0.65	65.92	2638	10338
Southern States	SS 783 RR2YGCB	116	41.49	11.70	4.09	7.42	30.05 *	57.49 *	58.04	0.65	65.95	2527	10268
DEKALB	DKC64-23(RR2/YGRW)	104	42.70	11.56	4.05	8.65	27.19	51.86	55.87	0.67 *	67.33 *	2543	10263
T.A. Seeds	TA678-13	111	44.23	11.54	4.04	8.75	27.30	50.56	55.10	0.66	67.27 *	2533	10208
Augusta	A5175CB	107	37.54	11.41	4.00	8.22	30.91 *	56.78 *	56.54	0.65	65.53	2567	10203
Seed Consultant	SC 11H76	119	37.34	11.31	3.96	7.24	30.78 *	56.17 *	58.67	0.65	65.59	2577	10202
Mid-Atlantic	MA8088VT3	108	41.37	11.46	4.01	7.68	31.18 *	58.09 *	54.03	0.65	65.40	2317	10126
DEKALB	DKC63-42(VT3)	103	41.85	11.37	3.98	8.38	27.07	50.62	55.12	0.67 *	67.38 *	2545	10087
Augusta	A-07-007	116	39.22	10.90	3.81	9.09 *	29.27	55.26	58.38	0.66	66.33	2664	10043
DEKALB	DKC61-22(RR2)	101	43.35	10.70	3.74	9.05 *	25.82	49.29	56.04	0.68 *	67.98 *	2598	9626
Augusta	A5338RRCB	116	37.62	10.41	3.65	8.59	29.52	55.78 *	58.88	0.65	66.20	2658	9592
DEKALB	RX754RR2/YGPL	112	37.46	9.42	3.30	8.77	29.12	53.07	55.59	0.66	66.39	2641	9203
	Site Average		39.72	12.56	4.40	8.19	29.16	54.37	57.32	0.66	66.37	2615	11475
	LSD (.10)		5.08	2.19	0.77	0.64	2.43	4.06	2.47	0.01	1.17	142	1905
	CV		10.91	14.85	14.85	6.60	7.02	6.29	3.62	1.64	1.48	5	14

[1]Days 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. Two-Year Average Corn Silage Test Results (2006 & 2007) 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
Pioneer	33V16	115	40.85	19.72 *	6.90 *	7.98	25.22	46.35	62.01 *	0.69 *	70.01 *	3008	21827 *
Augusta	A-06-15CLP	119	34.67	19.47 *	6.82 *	8.10	27.47 *	49.76 *	62.53 *	0.69 *	69.82 *	3108 *	21371 *
Augusta	A-04-103RRCB	119	35.89	19.29 *	6.75 *	8.02	27.07 *	49.50 *	62.64 *	0.69 *	70.07 *	3064 *	20464 *
Augusta	A-06-02HXP	119	37.50	18.49 *	6.47 *	8.09	25.76 *	48.54 *	60.44	0.68	69.27	2913	19556
Pioneer	31R87	120	37.17	17.03	5.96	7.48	26.33 *	47.47 *	60.26	0.69 *	69.98 *	3065 *	19206
Augusta	A-04-94CB	119	36.77	18.45 *	6.46 *	8.21	26.85 *	48.83 *	59.54	0.69 *	69.82 *	2994	18901
Augusta	A5338PLRR	116	38.30	17.90	6.26	8.31	24.66	44.90	60.89	0.68	69.58	3041 *	18801
Augusta	A-04-102CB	118	37.10	17.68	6.19	7.92	24.83	46.93 *	61.23 *	0.69 *	70.46 *	3043 *	18766
Mid-Atlantic	MA7197Bt/RR	119	38.43	17.26	6.04	8.52 *	24.38	46.47	60.03	0.70 *	70.63 *	2991	18647
Augusta	A5338	116	35.99	17.00	5.95	8.22	25.08	46.31	62.65 *	0.70 *	70.28 *	3125 *	18402
Pioneer	31G71	119	42.21	18.46 *	6.46 *	7.88	26.63 *	49.39 *	60.60	0.67	68.32	2819	18385
Augusta	A-05-27AACB	111	38.11	17.88	6.26	8.05	27.46 *	48.96 *	58.92	0.67	68.25	2895	18039
Augusta	A-06-33RRCB	118	34.90	16.38	5.73	8.23	27.19 *	48.51 *	59.08	0.69 *	69.21	3061 *	17794
Mid-Atlantic	MA7150Bt/CRW/RR	115	37.01	16.72	5.85	8.17	26.80 *	48.32 *	61.72 *	0.68	68.82	3012	17297
Augusta	A5337PLRR	113	38.29	15.72	5.50	8.25	24.41	44.72	60.68	0.69 *	69.82 *	3008	16530
DEKALB	DKC66-23(RR2/YGCB)	106	40.64	16.15	5.65	8.20	25.14	46.86	60.97	0.68	68.97	2897	16402
Southern States	SS 791 CL	117	36.35	15.11	5.29	8.72 *	24.81	47.77 *	60.96	0.69 *	70.32 *	3036 *	16257
DEKALB	DKC61-22(RR2)	101	41.03	15.56	5.45	8.92 *	23.12	43.63	59.61	0.69 *	69.87 *	2925	15708
	Site Average		37.85	17.46	6.11	8.18	25.73	47.40	60.82	0.69	69.64	3000	18464
	LSD (.10)		2.99	1.53	0.53	0.42	1.77	2.85	1.44	0.01	1	98	1678
	CV		9.5	10.51	10.5	5.71	7.63	6.66	2.62	1.89	1.59	4	10

[1]Days 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. Three-Year Average Corn Silage Test Results (2005, 2006 & 2007) 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	MA7197Bt/RR	119	37.95	17.98 *	6.29 *	8.82 *	24.40	44.55 *	61.64 *	0.69 *	70.52 *	3075 *	19804 *
Pioneer	31R87	120	36.39	17.41 *	6.09 *	7.84	26.51 *	45.97 *	61.67 *	0.69 *	70.22 *	3139 *	19782 *
Augusta	A-04-94CB	119	37.07	18.42 *	6.45 *	8.52	25.99 *	45.89 *	61.85 *	0.69 *	70.11 *	3080 *	19528 *
	Site Average		37.14	17.94	6.28	8.39	25.63	45.47	61.72	0.69	70.28	3098	19705
	LSD (0.10)		2.41	1.06	0.37	0.22	1.37	2.38	1.65	0.01	1.18	106	742
	CV		9.18	8.36	8.36	3.49	7.04	6.89	3.51	2.46	2.21	5	5

[1]Days 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. 2007 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
Southern States	SS 783 RR2YGCB	116	50.69	26.31 *	9.21 *	6.28	26.73	47.79	58.03 *	0.67 *	67.54 *	1093 *	10008 *
Augusta	A-06-10HX	113	48.84	23.99 *	8.39 *	6.65 *	23.28	42.96	58.86 *	0.69 *	69.20 *	1080 *	9358 *
DEKALB	DKC65-47(RR2)	105	46.33	24.37 *	8.53 *	6.80 *	25.76	45.44	59.90 *	0.68 *	68.01 *	1051 *	9037 *
Southern States	SS 731 CL	114	48.53	23.04 *	8.06 *	6.48 *	23.60	43.05	60.05 *	0.68 *	69.05 *	1089 *	8796 *
Mid-Atlantic	MA7150Bt/CRW/RR	115	40.97	18.56	6.50	6.18	23.47	42.07	57.77	0.69 *	69.11 *	1177 *	8775 *
DEKALB	DKC69-43(RR2)	109	46.52	22.60 *	7.91 *	7.20 *	25.56	46.56	58.99 *	0.68 *	68.11 *	969 *	8648 *
Mid-Atlantic	MA8088VT3	108	44.03	25.77 *	9.02 *	6.73 *	26.70	48.29	57.01	0.67 *	67.56 *	836 *	8619 *
Southern States	SS 647 VT3	110	45.67	22.84 *	8.00 *	6.40	23.90	43.08	58.04 *	0.68 *	68.91 *	1063 *	8479 *
Pioneer	33V16	115	53.61	26.31 *	9.21 *	6.24	28.79	50.45	56.55	0.66 *	66.56	762	7987 *
Southern States	SS E 95048	113	49.14	20.93 *	7.33 *	6.85 *	22.70	42.96	58.84 *	0.69 *	69.48 *	1061 *	7832 *
DEKALB	DKC61-73(RR2/YGCB)	101	46.98	20.90 *	7.32 *	6.80 *	24.18	44.28	59.05 *	0.68 *	68.77 *	1057 *	7736 *
Doebler's	856XRR	115	43.59	19.96 *	6.98 *	6.95 *	24.98	46.49	61.76 *	0.68 *	68.38 *	1044 *	7297 *
Augusta	A-04-102CB	118	48.22	21.40 *	7.49 *	6.74 *	24.30	45.33	62.08 *	0.68 *	68.71 *	1001 *	7187 *
Augusta	A-04-94CB	119	49.81	17.91	6.27	7.09 *	23.26	43.01	58.03 *	0.69 *	69.22 *	1049 *	7175 *
Pioneer	31R87	120	51.68	18.38	6.43	6.58 *	20.67	39.01	57.69	0.70 *	70.46 *	1191 *	7061 *
Augusta	A-07-007	116	46.02	20.53 *	7.18 *	7.10 *	25.85	46.59	59.26 *	0.68 *	67.97 *	962 *	6992 *
DEKALB	DKC64-23(RR2/YGRW)	104	47.59	21.05 *	7.37 *	6.58 *	29.45	51.05	58.11 *	0.65	66.23	943 *	6802 *
Seed Consultant	SC 11MT55	115	46.66	20.25 *	7.09 *	6.54 *	25.59	45.53	60.51 *	0.68 *	68.09 *	1016 *	6783 *
Southern States	SS 842 RR2	119	46.22	21.79 *	7.62 *	6.60 *	26.15	46.95	57.42	0.67 *	67.82 *	902 *	6581 *
Seed Consultant	SC 11BR96	119	47.73	22.80 *	7.98 *	6.20	27.71	49.09	58.58 *	0.67 *	67.08 *	822	6526 *
Seed Consultant	SC 12VTT08	120	46.67	22.13 *	7.75 *	6.05	26.64	49.01	60.73 *	0.67 *	67.59 *	847 *	6463 *
Augusta	A-06-07CB	108	45.90	23.40 *	8.19 *	5.85	29.81	50.46	55.12	0.65	66.06	755	6435 *
Pioneer	31G71	119	42.61	21.09 *	7.39 *	6.65 *	29.83	51.80 *	58.72 *	0.65	66.06	868 *	6400 *
Southern States	SS 746 RR2YGCB	115	43.22	18.52	6.48	6.05	29.66	49.75	56.19	0.65	66.14	914 *	6270 *
Mid-Atlantic	MA7197Bt/RR	119	45.64	22.16 *	7.76 *	6.55 *	28.27	50.54	57.97 *	0.66 *	66.81	789	6054
Augusta	A5175CB	107	49.12	15.49	5.42	6.57 *	25.25	44.97	58.17 *	0.68 *	68.26 *	1050 *	5965
Southern States	SS 661 VT3	111	51.22	23.48 *	8.22 *	6.45 *	31.81 *	53.97 *	57.08	0.65	65.11	742	5955
DEKALB	DKC63-42(VT3)	103	44.94	20.23 *	7.08 *	6.17	29.70	51.80 *	55.84	0.65	66.11	759	5897
Augusta	A5338RRCB	116	38.23	19.13	6.70	5.76	33.45 *	55.03 *	58.82 *	0.63	64.31	887 *	5882
DEKALB	DKC61-22(RR2)	101	44.26	20.98 *	7.34 *	6.52 *	29.09	51.61 *	56.98	0.66 *	66.41	784	5835
Mid-Atlantic	MA8160Bt/RR	118	39.10	19.57 *	6.85 *	5.94	33.38 *	55.06 *	58.83 *	0.64	64.34	818	5761
Mycogen Seed	TMF 2W726	111	39.80	17.70	6.20	6.21	31.03 *	52.85 *	61.03 *	0.65	65.48	910 *	5595
Augusta	A-05-27AACB	111	41.10	18.43	6.45	5.73	31.92 *	53.59 *	58.98 *	0.64	65.05	825	5429
Seed Consultant	SC 11MT45	114	44.70	19.37	6.78	6.03	30.19	51.22	55.64	0.65	65.88	771	5299
Mid-Atlantic	MA8139Bt/RR	113	43.61	20.88 *	7.31 *	6.41	30.69 *	54.38 *	60.75 *	0.65	65.64	721	5241
Augusta	A5337PLRR	113	47.62	17.60	6.16	6.26	30.41	51.32	56.02	0.65	65.77	805	5059
Augusta	A5338PLRR	116	49.52	21.84 *	7.65 *	6.26	30.34	54.32 *	58.81 *	0.65	65.80	640	4837
Augusta	A-06-15CLP	119	44.51	22.81 *	7.99 *	5.90	33.23 *	56.57 *	57.71	0.63	64.42	581	4773
Augusta	A-07-08	118	43.07	18.45	6.46	6.13	32.44 *	56.30 *	59.29 *	0.64	64.80	687	4590
Seed Consultant	SC 11BR97	119	46.51	16.49	5.77	6.56 *	28.38	50.69	59.26 *	0.66 *	66.75	751	3939
DEKALB	DKC67-87(RR2/YGCB)	107	43.17	21.93 *	7.67 *	5.88	35.90 *	59.22 *	55.95	0.63	63.14	502	3938
Augusta	A-07-13HX	117	39.46	25.14 *	8.80 *	6.46 *	32.08 *	56.38 *	58.69 *	0.64	64.97	392	3937
DEKALB	RX754RR2/YGPL	112	42.38	19.10	6.69	5.69	33.87 *	57.48 *	56.31	0.63	64.11	520	3912
Mid-Atlantic	MA7188Bt	118	41.37	16.83	5.89	5.26	37.69 *	59.40 *	57.07	0.61	62.27	716	3868
DEKALB	DKC69-71(RR2/YGCB)	109	47.42	13.03	4.56	6.46 *	28.81	51.10	56.23	0.66 *	66.54	769	3686
Southern States	SS 791 CL	117	40.76	13.65	4.78	6.35	32.63 *	55.91 *	59.78 *	0.64	64.71	732	3440
Augusta	A5338	116	41.70	19.34	6.77	6.29	36.73 *	60.99 *	57.96	0.62	62.74	447	3264
Augusta	A-06-06	112	47.15	19.94 *	6.98 *	6.04	33.46 *	56.63 *	56.09	0.63	64.31	497	3247

Table 14. 2007 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
Seed Consultant	SC 11H76	119	44.96	11.94	4.18	6.36	28.79	50.77	58.77 *	0.66 *	66.55	803	2567
	Site Average		45.48	20.42	7.15	6.36	28.74	50.27	58.27	0.66	66.58	846	6147
	LSD (0.10)		8.24	6.88	2.41	0.77	7.19	9.51	4.11	0.04	3.46	355	3867
	CV		12.92	23.70	23.70	8.43	17.60	13.28	4.94	3.91	3.63	29	42

[1]Days 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 15. Two-Year Average Corn Silage Test Results (2006 & 2007) 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
Mid-Atlantic	MA7150Bt/CRW/RR	115	45.23	23.66	8.28	8.08 *	20.88	37.82	59.52 *	0.67 *	68.02 *	2259 *	21125 *
Augusta	A-05-27AACB	111	50.99	25.71 *	9.00 *	7.15	23.34 *	40.98	60.73 *	0.66 *	67.01 *	1965	20194 *
Augusta	A-04-102CB	118	49.86	24.41 *	8.55 *	7.59	21.50	40.17	61.85 *	0.67 *	67.88 *	1980	19171 *
Southern States	SS 791 CL	117	49.00	21.82	7.64	8.21 *	23.61 *	42.44 *	61.34 *	0.65 *	66.81 *	2118 *	18823 *
Augusta	A-06-15CLP	119	47.82	28.31 *	9.91 *	7.31	27.43 *	47.78 *	59.50 *	0.64	65.68	1608	18713 *
Pioneer	33V16	115	54.58	26.58 *	9.30 *	7.58	22.20	40.31	60.31 *	0.66 *	67.27 *	1891	18192 *
Augusta	A5338	116	46.72	23.48	8.22	7.72	25.95 *	44.49 *	59.81 *	0.64	66.05 *	2019	17457 *
Pioneer	31G71	119	51.23	23.83 *	8.34 *	7.77 *	23.98 *	42.94 *	60.08 *	0.65 *	66.73 *	2128 *	17344 *
DEKALB	DKC61-22(RR2)	101	51.95	23.24	8.13	8.00 *	23.04 *	42.26 *	59.56 *	0.66 *	67.35 *	1917	16847 *
Mid-Atlantic	MA7197Bt/RR	119	48.19	24.82 *	8.69 *	7.53	24.18 *	44.07 *	59.16 *	0.66 *	66.88 *	1716	15882
Augusta	A5338PLRR	116	50.67	24.10 *	8.44 *	7.24	25.35 *	45.85 *	60.28 *	0.65 *	66.75 *	1600	15758
Augusta	A-04-94CB	119	51.61	22.27	7.80	7.50	22.64	41.45	58.42	0.67 *	68.10 *	1658	15369
Pioneer	31R87	120	49.36	19.53	6.83	7.24	24.14 *	42.28 *	57.01	0.65 *	66.39 *	2124 *	14758
Augusta	A5337PLRR	113	51.09	20.86	7.30	7.42	23.91 *	41.96 *	59.25 *	0.66 *	66.99 *	1924	13802
	Site Average		49.88	23.76	8.32	7.60	23.73	42.49	59.77	0.66	66.99	1922	17388
	LSD (.10)		5.05	4.52	1.58	0.46	4.78	6.28	2.78	0.02	2.3	199	4863
	CV		10.71	19.88	19.88	5.81	19.26	14.14	4.47	3.45	3.26	10	26

[1]Days 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 16. Three-Year Average Corn Silage Test Results (2005, 2006 & 2007) 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	A-04-102CB	118	49.46	25.27 *	8.85 *	7.52 *	22.57 *	40.53 *	63.15 *	0.65 *	67.22 *	2270	22088 *
Augusta	A-04-94CB	119	47.17	22.89	8.01	7.64 *	23.94 *	41.46 *	59.55	0.67 *	67.65 *	2329 *	20191 *
Pioneer	31R87	120	48.02	21.70	7.59	7.15	24.84 *	42.00 *	59.13	0.64	65.47	2405 *	18940
Mid-Atlantic	MA7197Bt/RR	119	46.16	24.00 *	8.40 *	7.79 *	24.32 *	43.10 *	60.75	0.66 *	67.06 *	2179	18610
	Site Average		47.70	23.47	8.21	7.53	23.92	41.77	60.65	0.66	66.85	2296	19957
	LSD (0.10)		3.81	1.93	0.67	0.39	3.33	4.39	2.37	0.02	1.6	131	2111
	CV		10.23	10.33	10.34	5.99	16.2	12.19	4.55	2.99	2.8	7	12

[1]Days 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).

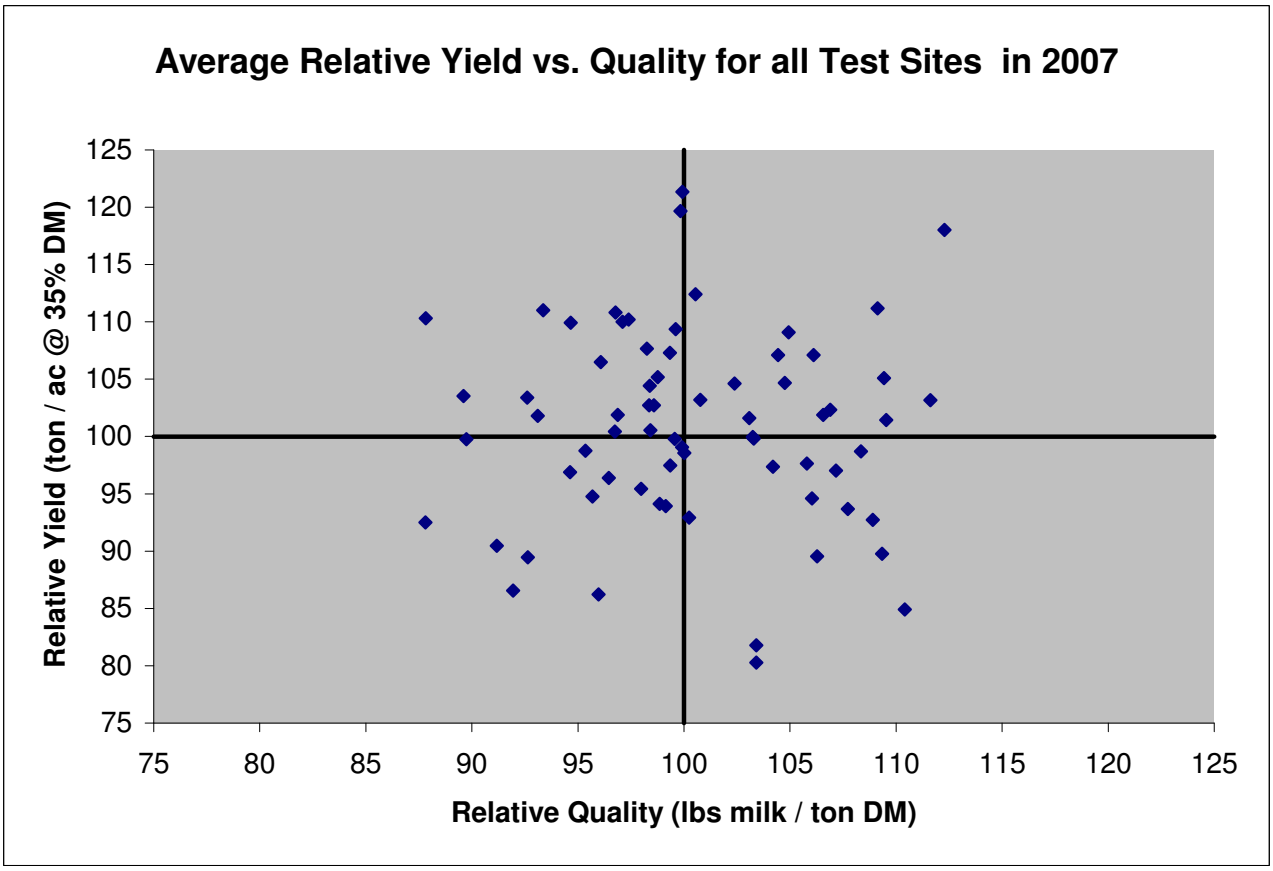
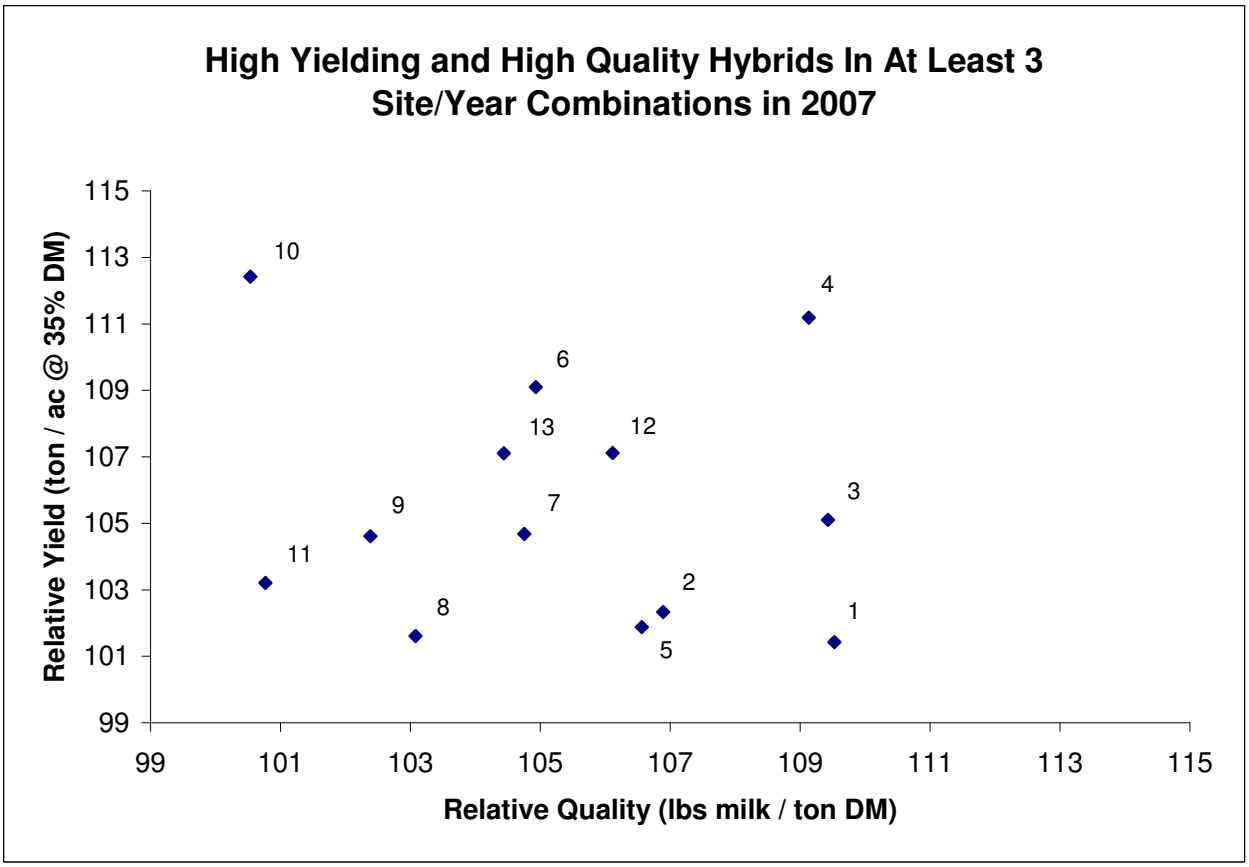


Figure 1. Average relative yield versus quality across all test sites in 2007



Point ID	Brand	Hybrid
1	DEKALB	DKC64-78(RR2/YGCB)
2	Doebler's	785RB
3	Augusta	A-06-10HX
4	Southern States	SS 783 RR2YGCB
5	Southern States	SS 647 VT3
6	DEKALB	DKC64-23(RR2/YGRW)
7	DEKALB	DKC61-73(RR2/YGCB)
8	Southern States	SS 746 RR2YGCB
9	Augusta	A5175CB
10	Mid-Atlantic	MA8088VT3
11	DEKALB	DKC66-23(RR2/YGCB)
12	Augusta	A-04-102CB
13	Augusta	A-04-94CB

Figure 2. High yielding and high quality hybrids that appeared in at least 3 site/year combinations in 2007.

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