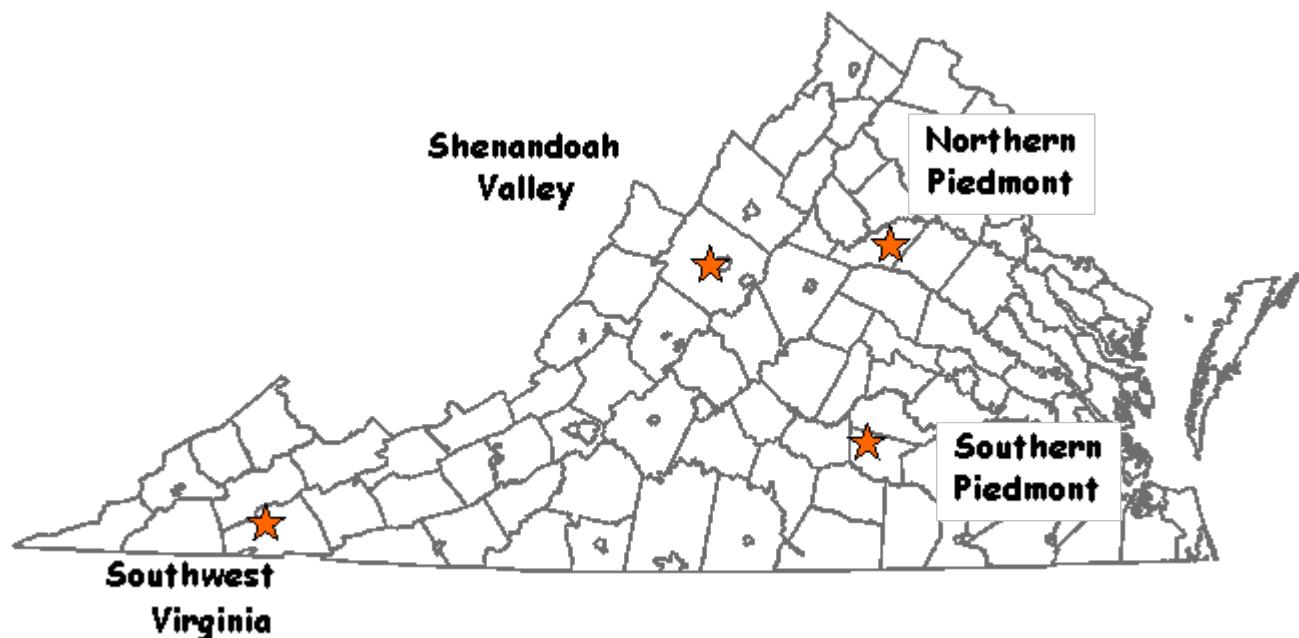


Virginia Tech

Corn Silage

Testing 2011



Virginia Cooperative Extension
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THE 2011 VIRGINIA CORN SILAGE HYBRID TRIALS

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THE 2011 VIRGINIA CORN SILAGE HYBRID TRIALS

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COMPANIES PARTICIPATING IN THE 2011 CORN SILAGE TRIALS

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Doeblers PA Hybrids, Inc	Doebler's and 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
King's AgriSeeds	Masters Choice	60 North Ronks Rd. Suite K, Ronks, PA 17571
Mid-Atlantic Seeds, Inc	Mid-Atlantic Seeds	204 St. Charles Way #163, York, PA 17402
Monsanto	ChannelBio	612 East Dunlap Street, Kentland, IN 47951
Monsanto	DEKALB	800 N Lindbergh Blvd., St Louis, MO 63167
Pioneer Hi-Bred International	Pioneer	700 Boulevard South Suite 302, Huntsville, AL 35802
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 23230
Syngenta	Garst and NK Brand	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds	T.A. Seeds	39 Seeds Lane, Jersey Shore, PA 17740
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 2011 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. 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 2011, 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.

2011 VIRGINIA CORN SILAGE PLOT INFORMATION
(Rates are on a per acre basis.)

Blackstone Southern Piedmont Agricultural Research & Extension Center (notill site)

Planted: April 18, 2011

Harvested: August 31, 2011

Pesticide: 5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 4 qt atrazine 4L April 19, 2011.

Fertilizer: 1000 lb 10-10-10 preplant incorporated April 14, 2011; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 80 lb N topdressed using 34-0-0 May 19, 2011.

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

Soil Type: Spotsylvania-Cecil-Bourne Sandy Loam

Cooperator: Ned Jones

Orange Northern Piedmont Agricultural Research & Extension Center

Planted: May 31, 2011

Harvested: August 11-12, 2011

Pesticide: 5 lb Force 3G® at planting; 3 qt Lumax® + 1 qt atrazine + 1 qt gramoxone May 2, 2011.

Fertilizer: 100-100-0 preplant incorporated April 29, 2011; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 100 lb N sidedressed June 8, 2011.

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

Soil Type: Davidson silty clay loam

Cooperators: Steve Gulick and Alvin Hood

Shenandoah Valley (Lynnwood - Thanks to Monte and Gerald Heatwole at Cub Run Dairy)

Planted: May 6, 2011

Harvested: August 24, 2011

Pesticide: Burndown of rye cover with 2.5 qt gramoxone April 28, 2011; 5 lb Force 3G® at planting; 1.5 qt Aatrex® (atrazine) + 1.5 qt Princep® + 5.8 oz Asana® with fertilizer May 11, 2011; 1.5 qt Prowl® + 0.5 oz Profine (generic Permit) + 1.25 qt Touchdown Total® (glyphosate).

Fertilizer: Preplant broadcast 4 tons dairy heifer bed pack 55-91-27; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 50 lb K + 20 lb S + chemicals May 11, 2011; 0.5 lb B + chemicals June 8, 2011; sidedress 100 lb N = 5 lb S June 22, 2011.

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

Soil Type: Allegheny fine sandy loam

Cooperators: Matt Yancey and Monte Heatwole

Washington County (Thanks to Johnny Robinson)

Planted: June 1, 2011

Harvested: September 19, 2011

Pesticide: 5 lb Force 3G® at planting; burndown of cover with Roundup® and 2,4-D; 2 qt Lumax®; spot treatment with Accent® for johnsongrass.

Fertilizer: 70 lb N with NutriSphere preplant; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 lb N with NutriSphere topdress.

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 2011 VA Tech Corn Silage Hybrid Test

Brand	Hybrid	Trait Group ¹	DTM ²	OBS ³
Augusta	A5560VT3	19	110	4
Augusta	A5461GTCBLLA	2	111	4
Augusta	A5462GT3000A	6	112	4
Augusta	A6164GT3000	6	114	4
Augusta	A5464GTCBLL	2	114	4
Augusta	A7664VT3P	19	114	4
Augusta	A6465GTCBLL	2	115	4
Augusta	A6166GT3000A	6	116	4
Augusta	A6266GT3000	6	116	4
Augusta	A6166CBLLC	1	116	4
Augusta	A6867CBLL	1	117	4
Augusta	A6867GTCBLLA	2	117	4
Augusta	A9169VT3	19	119	4
Augusta	A7669GTCBLL	2	119	4
ChannelBio	216-63VT3	19	116	4
ChannelBio	216-96VT3P	21	116	4
ChannelBio	217-08VT3P	21	117	4
ChannelBio	218-50VT3	19	118	4
Croplan Genetics	6725VT3/P	21	113	4
Croplan Genetics	7505VT3	19	115	4
Croplan Genetics	8221VT3	19	118	4
Croplan Genetics	8756VT3	19	118	4
DEKALB	DKC62-54 VT3	19	112	4
DEKALB	DKC63-84 VT3	19	113	4
DEKALB	DKC64-69 VT3P	21	114	4
DEKALB	DKC66-96 VT3P	21	116	4
DEKALB	DKC68-05 VT3P	21	118	4
Doebler's	674GRQ	6	112	4
Dyna-Gro	V5294HXTRNS	11	112	4
Dyna-Gro	D55Q80	6	115	4
Dyna-Gro	V5683VT3	19	116	4
Dyna-Gro	D56VP69	21	116	4
Dyna-Gro	D57GT60	2	117	4
Dyna-Gro	D58VP30	21	118	4
Garst Brand	82R44-3000GT Brand	6	115	1
Master's Choice	MCT 628 3000GT	6	115	3
Master's Choice	MCT 6751 GT	23	117	3
Mid-Atlantic Seeds	MA5061GT3	6	106	4
Mid-Atlantic Seeds	MA8129VT3P	21	112	4
Mid-Atlantic Seeds	MAX16310		114	4
Mid-Atlantic Seeds	MA5151GTCBLL	2	115	4
Mid-Atlantic Seeds	MA8151VT3P	21	115	4
Mid-Atlantic Seeds	MA5091GT	4	115	4
Mid-Atlantic Seeds	MA8150VT3	19	115	4
Mid-Atlantic Seeds	MA8167VT3P	21	116	4
Mid-Atlantic Seeds	MA7161HXT		116	4

Table 1, continued. List of Hybrids in the 2011 VA Tech Corn Silage Hybrid

Test				
Brand	Hybrid	Trait Group¹	DTM²	OBS³
Mid-Atlantic Seeds	MA8171VT3	19	117	4
Mid-Atlantic Seeds	MA8127VT3P	21	118	4
Mycogen Seeds	F2F665	11	109	2
Mycogen Seeds	TMF2W727	11	113	2
Mycogen Seeds	TMF2L872	9	118	2
NK Brand	N74R-3000GT Brand	6	114	1
Pioneer	P1184AM1	12	111	4
Pioneer	33F90AM1	12	114	4
Pioneer	P1745HR	9	117	4
Pioneer	31G67AM1	12	119	4
RPM	RPM 694HRQ	11	114	4
RPM	RPM 723HXR	9	116	4
RPM	RPM 728HXR	9	117	4
Seed Consultants	SCS 11HR21™	9	111	4
Seed Consultants	SC 11GT22™	GT Only	111	4
Seed Consultants	SCS 11HQ38™	11	112	4
Seed Consultants	SCS 11HQ39™	11	112	4
Seed Consultants	SCS 11HQ31™	11	112	4
Seed Consultants	SC 11AXX52™	5	114	4
Seed Consultants	SCS 11HQ60™	11	115	4
Seed Consultants	SCS 11HR63™	9	116	4
Seed Consultants	SCS 11HQ70™	11	116	4
Seed Consultants	SC 11AGT72™	2	117	4
Southern States	SS 788 GENVT3PRO	21	116	1
Southern States	SS 787 GENVT3PRO	21	117	3
Southern States	SS 818 GENVT3PRO	21	118	2
Southern States	SS 868 GENVT3PRO	21	119	4
T.A. Seeds	TA575-19	2	107	4
T.A. Seeds	TA615-16ND	11	110	4
T.A. Seeds	TA720-20	6	113	4
T.A. Seeds	TA778-28	22	115	4
T.A. Seeds	TA780-13V	19	116	4
T.A. Seeds	TA790-19	2	119	4

¹ Trait Group according to Table 2.² Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.³Number 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. Bt Corn Insect Traits

Number	Trait Group	Insects controlled or suppressed	Herbicide tolerance
Agrisure (Syngenta + Mycogen/DowAgro)			
1	Agrisure CB/LL	ECB CEW, FAW, SB	LL
2	Agrisure GT/CB/LL	ECB CEW, FAW, SB	GT, LL
3	Agrisure RW	CRW	--
4	Agrisure GT/RW	CRW	GT
5	Agrisure CB/LL/RW	CRW, ECB CEW, FAW, SB	LL
6	Agrisure 3000GT	CRW, ECB CEW, FAW, SB	GT, LL
7	Agrisure Viptera 3110	BCW, CEW, ECB, FAW, WBC SB	GT, LL
8	Agrisure Viptera 3111	BCW, CEW, CRW, ECB, FAW, WBC SB	GT, LL
Herculex (Mycogen/DowAgro)			
9	Herculex 1	BCW, ECB, FAW, WBC CEW	LL, RR2
10	Herculex RW	CRW	LL
11	Herculex XTRA	BCW, CRW, ECB, FAW, WBC CEW	LL RR2(some)
Optimum (DuPont/Pioneer)			
12	Optimum AcreMax1	BCW, CRW, ECB, FAW, WBC CEW	LL, RR2
13	Optimum AcreMax RW	CRW	RR2
14	Optimum Intrasect Insect Protection	ECB, WBC, BCW, FAW CEW, SB	LL, RR2
YieldGard (Monsanto)			
15	YieldGard CB (YGCB)	ECB CEW, FAW, SB	RR2(some)
16	YieldGard RW (YGRW)	CRW	RR2(some)
17	YieldGard Plus	CRW, ECB CEW, FAW, SB	RR2(some)
18	YieldGard VT Rootworm	CRW	RR2
19	YieldGard VT Triple (VT3)	CRW, ECB CEW, FAW, SB	RR2
Genuity (Monsanto or Monsanto + Mycogen/DowAgro)			
20	Genuity VT Double Pro (VT2P)	CEW, ECB, FAW	RR2
21	Genuity VT Triple Pro (VT3P)	CEW, CRW, ECB, FAW	RR2
22	SmartStax or Genuity SmartStax (GENSS)	BCW, CEW, CRW, ECB, FAW, WBC	RR2, LL
University of Wisconsin Integrated Pest and Crop Management webpage, posted 5/13/10			
Many thanks to Eileen Cullen, Extension Entomologist, University of Wisconsin			

Table 3. 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
			2011	2010	2011	2010	2011	2010	2011	2010		
			Relative Ton per Acre ³									
Southern States	SS 788 GENVT3PRO	116	121 *								121	1
Dyna-Gro	V5683VT3	116	121 *	120 *	117 *	124 *	119 *	116 *	118 *	101	117	8
Southern States	SS 868 GENVT3PRO	119	119 *		120 *		102		106 *		112	4
Seed Consultants	SCS 11HR63™	116	106 *		116 *		101		117 *		110	4
Augusta	A5462GT3000A	112	105 *	114 *	102	107	106	105	125 *	115 *	110	8
RPM	RPM 723HXR	116	105 *		111 *		103		119 *		109	4
T.A. Seeds	TA780-13V	116	101	110 *	101	130 *	101		*	101	107	6
Augusta	A5461GTCBLLA	111	110 *	103 *	116 *	105	108 *	115 *	97	105 *	107	8
Pioneer	31G67AM1	119	112 *		106		120 *		92		107	4
Augusta	A6166GT3000A	116	110 *		100		108 *		111 *		107	4
Augusta	A5560VT3	110	124 *		94		109 *		100		107	4
Mycogen Seeds	TMF2W727	113	106 *		108 *						107	2
Dyna-Gro	D58VP30	118	101 *		96		107		123 *		107	4
Seed Consultants	SCS 11HQ70™	116	114 *		111 *		100		98		106	4
ChannelBio	217-08VT3P	117	108 *		111 *		99		106 *		106	4
Southern States	SS 818 GENVT3PRO	118	115 *				95				105	2
T.A. Seeds	TA720-20	113	99		108 *		104		110 *		105	4
Croplan Genetics	8756VT3	118	105 *	104 *	102		102		97	117 *	105	6
Croplan Genetics	8221VT3	118	104 *	105 *	112 *		106		104	96	104	6
Pioneer	P1184AM1	111	120 *		101		92		104		104	4
ChannelBio	216-63VT3	116	101 *	92	104	103	101	109	118 *	105 *	104	8
Seed Consultants	SCS 11HQ39™	112	111 *	73	105	136 *	103	104	105	94	104	8
T.A. Seeds	TA790-19	119	84		112 *		104		115 *		104	4
Pioneer	P1745HR	117	116 *		122 *		101		75		104	4
Dyna-Gro	V5294HXTRNS	112	90	110 *	98	105	103	118 *	104	97	103	8
Seed Consultants	SCS 11HR21™	111	117 *		107		93		96		103	4
ChannelBio	218-50VT3	118	97		103		105		107 *		103	4
Garst Brand	82R44-3000GT Brand	115	112 *						94		103	2
RPM	RPM 694HRQ	114	83		99		114 *		115 *		103	4

Table 3, continued. 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
			2011	2010	2011	2010	2011	2010	2011	2010		
			Relative Ton per Acre ³									
Mid-Atlantic Seeds	MA7161HXT	116	117 *		94		100		99		102	4
T.A. Seeds	TA778-28	115	94		100		102		113 *		102	4
DEKALB	DKC68-05 VT3P	118	103 *		101		97		105		102	4
Mid-Atlantic Seeds	MA8167VT3P	116	96	113 *	103	93	102	95	106 *	105 *	102	8
Augusta	A5464GTCBLL	114	101		106		96		103		102	4
Mid-Atlantic Seeds	MA8171VT3	117	104 *		97		108 *		98		101	4
Augusta	A6164GT3000	114	121 *	109 *	102	106	105	91	74	103	101	8
Mid-Atlantic Seeds	MA8127VT3P	118	82		103		105		115 *		101	4
Master's Choice	MCT 628 3000GT	115	115 *		89		100				101	3
Augusta	A6867GTCBLLA	117	77		103		108 *		116 *		101	4
DEKALB	DKC64-69 VT3P	114	94	101 *	104	90	92	108	103	113 *	101	8
ChannelBio	216-96VT3P	116	99		98		98		106 *		100	4
Mid-Atlantic Seeds	MA5061GT3	106	100		98		115 *		89		100	4
Augusta	A6867CBLL	117		116 *	95	73	102	111	84	121 *	100	7
Augusta	A7664VT3P	114	98		96		97		110 *		100	4
RPM	RPM 728HXR	117	114 *	78	108	110	93	95	97	103	100	8
Doebler's	674GRQ	112	107 *		97		95		100		100	4
Croplan Genetics	6725VT3/P	113	96		101		105		96		100	4
Augusta	A6465GTCBLL	115	101		103		102		93		99	4
Seed Consultants	SC 11AGT72™	117	108 *		94		95		100		99	4
DEKALB	DKC62-54 VT3	112	99		98		100		100		99	4
T.A. Seeds	TA615-16ND	110	103 *		98		95		102		99	4
Seed Consultants	SCS 11HQ38™	112	94	107 *	98	101	85	111	94	102	99	8
Pioneer	33F90AM1	114	116 *		95		104		80		99	4
Seed Consultants	SCS 11HQ31™	112	104 *		89		103		97		98	4
Seed Consultants	SCS 11HQ60™	115	94		103		106		89		98	4
Augusta	A9169VT3	119	91		98		100		96	105 *	98	5
Southern States	SS 787 GENVT3PRO	117	96		90				107 *		98	3

Table 3, continued. 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
			2011	2010	2011	2010	2011	2010	2011	2010		
			Relative Ton per Acre ³									
Master's Choice	MCT 6751 GT	117	96		101		94				97	3
DEKALB	DKC66-96 VT3P	116	106 *		108		102		71		97	4
Mycogen Seeds	TMF2L872	118	94		99						96	2
Croplan Genetics	7505VT3	115	97		92		91		105 *		96	4
Seed Consultants	SC 11GT22™	111	91		99		103		92		96	4
Mid-Atlantic Seeds	MA5151GTCBLL	115	90		99		101		94		96	4
Seed Consultants	SC 11AXX52™	114	84		96		98		106 *		96	4
Mid-Atlantic Seeds	MA8150VT3	115	83	98	101	94	88	91	113 *	97	96	8
Augusta	A6166CBLLC	116			79		97		110 *		95	3
DEKALB	DKC63-84 VT3	113	100	90	101	103	96	95	77	99	95	8
Mid-Atlantic Seeds	MA8151VT3P	115	98		97		91		94		95	4
Dyna-Gro	D57GT60	117	78		101		96		103		94	4
Augusta	A7669GTCBLL	119	86		85		96		110 *		94	4
Dyna-Gro	D55Q80	115	96		91		96		94		94	4
T.A. Seeds	TA575-19	107	98		87		103		85		93	4
NK Brand	N74R-3000GT Brand	114	73	113 *							93	2
Mid-Atlantic Seeds	MA8129VT3P	112	84	93	94	100	98	95	85	94	93	8
Dyna-Gro	D56VP69	116	85		99		92		96		93	4
Augusta	A6266GT3000	116	90		86		105		82		91	4
Mid-Atlantic Seeds	MA5091GT	115	83		96		96		85		90	4
Mycogen Seeds	F2F665	109	85	113 *	83	79				68	86	5
Mid-Atlantic Seeds	MAX16310	114			70		70		68		69	3

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 one 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 Ton (Quality)

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2011	2010	2011	2010	2011	2010	2011	2010		
			Relative Milk per Ton ³									
Mid-Atlantic Seeds	MA8151VT3P	115	103 *		104 *		110 *		103 *		105	4
Dyna-Gro	V5294HXTRNS	112	101 *	105 *	100 *	105 *	105 *	106 *	103 *	107 *	104	8
Mid-Atlantic Seeds	MA8150VT3	115	101	103 *	101 *	108 *	105	102	101 *	110 *	104	8
Southern States	SS 788 GENVT3PRO	116	104 *								104	1
Seed Consultants	SCS 11HR21™	111	106 *		103 *		103		101 *		103	4
Mycogen Seeds	F2F665	109	103 *	107 *	100 *	110 *				96	103	5
Mid-Atlantic Seeds	MA8171VT3	117	105 *		104 *		103		100 *		103	4
T.A. Seeds	TA615-16ND	110	102 *		98		106 *		105 *		103	4
Croplan Genetics	7505VT3	115	105 *		103 *		101		103 *		103	4
Seed Consultants	SCS 11HQ39™	112	103 *	100	102 *	107 *	99	105 *	98	108 *	103	8
Augusta	A6867GTCBLLA	117	101 *		102 *		104		104 *		103	4
Croplan Genetics	8221VT3	118	99	98	104 *		104		103 *	106 *	102	6
Augusta	A7664VT3P	114	103 *		100 *		103		104 *		102	4
Garst Brand	82R44-3000GT Brand	115	104 *						100		102	2
Augusta	A6867CBLL	117		102	102 *	103	101	105 *	99	104	102	7
T.A. Seeds	TA780-13V	116	101	102 *	97	98	107 *			107 *	102	6
Seed Consultants	SCS 11HQ31™	112	104 *		101 *		98		103 *		102	4
ChannelBio	216-63VT3	116	102 *	102 *	100 *	99	107 *	98	100	106 *	102	8
ChannelBio	218-50VT3	118	102 *		102 *		106 *		97		102	4
Augusta	A6166CBLLC	116			102 *		101		102 *		102	3
Mycogen Seeds	TMF2W727	113	101 *		102 *						102	2
Pioneer	33F90AM1	114	102 *		101 *		102		101 *		102	4
Dyna-Gro	D55Q80	115	101 *		102 *		97		105 *		101	4
DEKALB	DKC68-05 VT3P	118	102 *		101 *		101		102 *		101	4
Mid-Atlantic Seeds	MAX16310	114			104 *		98		102 *		101	3
Southern States	SS 868 GENVT3PRO	119	100		104 *		101		100 *		101	4
Mid-Atlantic Seeds	MA7161HXT	116	105 *		99		102		99		101	4
Master's Choice	MCT 6751 GT	117	104 *		98		101				101	3
Seed Consultants	SCS 11HQ70™	116	101		100 *		102		100 *		101	4

Table 4, continued. 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			
			2011	2010	2011	2010	2011	2010	2011	2010					
-----Relative Milk per Ton ³ -----															
T.A. Seeds	TA575-19	107	99		102	*		100		102	*		101	4	
RPM	RPM 723HXR	116	100		100	*		101		101	*		101	4	
RPM	RPM 728HXR	117	102	*	99	101	*	102	100	99	98	102	100	8	
Dyna-Gro	D57GT60	117	99		102	*		97		104	*		100	4	
DEKALB	DKC63-84 VT3	113	104	*	104	*	101	*	100	98	100	97	*	100	8
Dyna-Gro	D58VP30	118	104	*		100	*		97		100	*		100	4
Augusta	A6465GTCBLL	115	99		101	*		102		100			100	4	
Seed Consultants	SCS 11HQ38™	112	97	101	96		100	98	101	102	*	106	*	100	8
Mid-Atlantic Seeds	MA8167VT3P	116	103	*	97	103	*	102	99	96	103	*	97	100	8
Pioneer	P1745HR	117	100		99			100		102	*		100	4	
Augusta	A6166GT3000A	116	97		100			100		103	*		100	4	
RPM	RPM 694HRQ	114	103	*		100	*		95		101	*		100	4
T.A. Seeds	TA778-28	115	100		101	*		101			98			100	4
Augusta	A5461GTCBLLA	111	100	102	*	97	101	100	99	101	*	97	100	8	
Seed Consultants	SC 11AGT72™	117	102	*	101	99	94	105	101	99	98	100		4	
Augusta	A5462GT3000A	112	104	*	101	99	99	98	103	*	97	95	100	8	
T.A. Seeds	TA790-19	119	104	*		102	*		98		94			100	4
Augusta	A5464GTCBLL	114	99			99			97		103	*		99	4
Seed Consultants	SCS 11HR63™	116	100			100	*		99		99			99	4
Mid-Atlantic Seeds	MA8127VT3P	118	100			101	*		101			97		99	4
Mid-Atlantic Seeds	MA5091GT	115	99			101	*		102		96			99	4
DEKALB	DKC66-96 VT3P	116	99			96			98		104			99	4
NK Brand	N74R-3000GT Brand	114	98	101										99	2
Dyna-Gro	V5683VT3	116	99	99	100	*	101	100	99	97	100			99	8
DEKALB	DKC64-69 VT3P	114	94	99	93	103	102	105	*	99	98			99	8
Mycogen Seeds	TMF2L872	118	99			99								99	2
Pioneer	P1184AM1	111	98			100			100			98		99	4
Croplan Genetics	6725VT3/P	113	98			105	*		93		101	*		99	4
Mid-Atlantic Seeds	MA5061GT3	106	97			96			101		102	*		99	4

Table 4, continued. 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	
			2011	2010	2011	2010	2011	2010	2011	2010			
			Relative Milk per Ton ³										
Augusta	A7669GTCBLL	119	98		99		99		101	*		99	4
Mid-Atlantic Seeds	MA8129VT3P	112	98		96		103		99			99	8
Dyna-Gro	D56VP69	116	95		100	*	99		101	*		99	4
Mid-Atlantic Seeds	MA5151GTCBLL	115	96		99		101		99			99	4
Seed Consultants	SC 11AXX52™	114	96	97	102	*	100	100	96	97	101	99	4
Seed Consultants	SC 11GT22™	111	93	101	99	97	97	104	102	*	97	99	4
DEKALB	DKC62-54 VT3	112	102	*	95		94		102	*		98	4
Augusta	A6266GT3000	116	98		100	*	101		94			98	4
Southern States	SS 787 GENVT3PRO	117	101		94				100			98	3
Seed Consultants	SCS 11HQ60™	115	101	95	101	*	91	101	97	101	*	98	4
Doebler's	674GRQ	112	97		97		100		97			98	4
Augusta	A6164GT3000	114	96	101	98	91	97	100	102	*	96	98	8
Southern States	SS 818 GENVT3PRO	118	95				100					98	2
ChannelBio	217-08VT3P	117	98		98		96		98			97	4
Augusta	A5560VT3	110	96		98		98		96			97	4
Augusta	A9169VT3	119	98		97		98		97	92		96	5
Pioneer	31G67AM1	119	96		99		93		97			96	4
ChannelBio	216-96VT3P	116	96		101	*	95		93			96	4
Master's Choice	MCT 628 3000GT	115	95		98		95					96	3
T.A. Seeds	TA720-20	113	93		98		94		98			96	4
Croplan Genetics	8756VT3	118	102	*	91	102	*	94	94	89		95	6

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 one LSD of the top performer.)

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

Table 5. 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							
			2011	2010	2011	2010	2011	2010	2011	2010									
			Relative Milk per Acre ³																
Southern States	SS 788 GENVT3PRO	116	126	*							126	1							
Dyna-Gro	V5683VT3	116	119	*	119	*	113	*	125	119	*	115	*	115	*	101	116	8	
Southern States	SS 868 GENVT3PRO	119	119	*			124	*		103		114	*		115		4		
RPM	RPM 723HXR	116	106	*			112	*		105		119	*		110		4		
T.A. Seeds	TA780-13V	116	102	*	112	*	99		128	*	108	*		*	108		6		
Augusta	A5462GT3000A	112	109	*	116	*	102		107	104	107		121	*	109	*	109	8	
Mycogen Seeds	TMF2W727	113	108	*			110	*							109		2		
Augusta	A6166GT3000A	116	107	*			100			108	*		118	*		108		4	
Seed Consultants	SCS 11HR63™	116	106	*			*	116	*		100		108	*		108		4	
Dyna-Gro	V5294HXTRNS	112	91		117	*	99		111	108	*	126	*	103	*	104		107	8
Seed Consultants	SCS 11HQ39™	112	114	*	74		108	*	146	*	103		109	103	*	102		107	8
Dyna-Gro	D58VP30	118	105	*			97			103			124	*			107		4
Croplan Genetics	8221VT3	118	104	*	103	*	117	*		110	*		107	*	102		107		6
Augusta	A5461GTCBLLA	111	109	*	106	*	113	*	107	108	*	113	*	98		102		107	8
Seed Consultants	SCS 11HQ70™	116	115	*			112	*		102			99			107		4	
Seed Consultants	SCS 11HR21™	111	124	*			107	*		96			97			106		4	
Garst Brand	82R44-3000GT Brand	115	118	*									94			106		2	
ChannelBio	216-63VT3	116	104	*	92		105		102	107	*	106		118	*	111	*	106	8
ChannelBio	218-50VT3	118	98				107	*		111	*		104	*			105		4
Augusta	A5560VT3	110	119	*			93			107	*		98			104		4	
Mid-Atlantic Seeds	MA8171VT3	117	108	*			99			111	*		98			104		4	
DEKALB	DKC68-05 VT3P	118	106	*			102			99			108			104		4	
Pioneer	P1745HR	117	115	*			121	*		101			77			103		4	
Pioneer	31G67AM1	119	106	*			107	*		112	*		89			103		4	
ChannelBio	217-08VT3P	117	105	*			109	*		95			104	*		103		4	
Mid-Atlantic Seeds	MA7161HXT	116	122	*			93			101			96			103		4	
Pioneer	P1184AM1	111	115	*			101			92			103	*		103		4	
Augusta	A7664VT3P	114	102				96			99			114	*		103		4	
T.A. Seeds	TA790-19	119	87				115	*		102			107	*		103		4	

Table 5, continued. 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
			2011	2010	2011	2010	2011	2010	2011	2010		
-----Relative Milk per Acre ³ -----												
Augusta	A6867GTCBLLA	117	78		105		113	*		115	*	
Augusta	A6867CBLL	117		118 *	97	75	103	116 *	83	126 *	103	7
T.A. Seeds	TA615-16ND	110	104 *		98		101		107 *			4
Southern States	SS 818 GENVT3PRO	118	109 *				96				102	2
Mid-Atlantic Seeds	MA8167VT3P	116	98	109 *	107 *	95	101	92	109 *	102	102	8
T.A. Seeds	TA778-28	115	93		101		103		109 *		102	4
Seed Consultants	SC 11AGT72™	117	110 *		94		100		99		101	4
T.A. Seeds	TA720-20	113	92		107 *		97		107 *		101	4
Mid-Atlantic Seeds	MA5061GT3	106	97		94		115 *		96		101	4
RPM	RPM 728HXR	117	117 *	79	109 *	112	94	93	96	106	101	8
Pioneer	33F90AM1	114	118 *		96		106 *		82		101	4
Augusta	A5464GTCBLL	114	99		104		93		105 *		100	4
Mid-Atlantic Seeds	MA8127VT3P	118	82		104		106		109 *		100	4
DEKALB	DKC64-69 VT3P	114	89	101 *	98	92	94	113 *	103	111 *	100	8
Seed Consultants	SCS 11HQ31™	112	108 *		90		101		100		100	4
Augusta	A6465GTCBLL	115	99		104		104		93		100	4
Croplan Genetics	8756VT3	118	107 *	95	105		97		92	104	100	6
Mid-Atlantic Seeds	MA8151VT3P	115	101		101		100		97		100	4
Mid-Atlantic Seeds	MA8150VT3	115	84	100 *	103	102	92	93	114 *	106	99	8
Seed Consultants	SCS 11HQ38™	112	91	108 *	94	102	83	112	97	108	99	8
Croplan Genetics	7505VT3	115	101		95		93		108 *		99	4
RPM	RPM 694HRQ	114	85		99		109 *		103 *		99	4
Augusta	A6164GT3000	114	119 *	109 *	101	97	102	91	76	98	99	8
Seed Consultants	SCS 11HQ60™	115	95		105		106 *		90		99	4
Croplan Genetics	6725VT3/P	113	93		106		98		97		99	4
Master's Choice	MCT 6751 GT	117	100		100		96				99	3
DEKALB	DKC62-54 VT3	112	101		94		94		103		98	4
Doebler's	674GRQ	112	105 *		95		95		97		98	4
Master's Choice	MCT 628 3000GT	115	108 *		88		96				98	3

Table 5, continued. 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	
			2011	2010	2011	2010	2011	2010	2011	2010			
			Relative Milk per Acre ³										
ChannelBio	216-96VT3P	116	95		99		94		101		97	4	
Southern States	SS 787 GENVT3PRO	117	97		85				108	*	96	3	
Augusta	A6166CBLLC	116			80		98		112	*	96	3	
Seed Consultants	SC 11AXX52™	114	81		98		98		108	*	96	4	
DEKALB	DKC63-84 VT3	113	104	*	94	103	102	93	95	74	*	99	96
Seed Consultants	SC 11GT22™	111	85		98		99		100		96	4	
Mycogen Seeds	TMF2L872	118	93		98						96	2	
DEKALB	DKC66-96 VT3P	116	105	*		104		98		74	*	95	4
Dyna-Gro	D57GT60	117	77		100		94		108	*	95	4	
Dyna-Gro	D55Q80	115	97		87		93		101		95	4	
Augusta	A9169VT3	119	89		95		98		93	96	94	5	
T.A. Seeds	TA575-19	107	96		88		103		88		94	4	
NK Brand	N74R-3000GT Brand	114	72	114	*						93	2	
Mid-Atlantic Seeds	MA5151GTCBLL	115	86		89		102		93		93	4	
Augusta	A7669GTCBLL	119	84		85		94		105	*	92	4	
Dyna-Gro	D56VP69	116	81		100		90		97		92	4	
Mid-Atlantic Seeds	MA8129VT3P	112	82	94	87	94	101	95	84	92	91	8	
Mid-Atlantic Seeds	MA5091GT	115	82		97		98		82		90	4	
Augusta	A6266GT3000	116	88		87		106	*	78		90	4	
Mycogen Seeds	F2F665	109	87	121	*	83	87			67	89	5	
Mid-Atlantic Seeds	MAX16310	114			73		69		69		70	3	

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 one LSD of the top performer.)

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

Table 6. 2011 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	-----% -----</th <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th></th> <th>Mcal/lb</th> <th>%</th> <th>lb milk/ton</th> <th>lb milk/acre</th>				Mcal/lb	%	lb milk/ton	lb milk/acre									
Southern States	SS 788 GENVT3PRO	116	30.91	22.54	*	7.89	*	7.93	*	28.50	51.78	63.00	0.71	*	75.01	*	3420	*	26977	*		
Seed Consultants	SCS 11HR21™	111	32.04	21.84	*	7.64	*	7.69	*	28.14	48.43	63.60	0.72	*	75.96	*	3505	*	26724	*		
Mid-Atlantic Seeds	MA7161HXT	116	32.27	21.85	*	7.65	*	7.38		30.83	53.54	67.29	*	0.71	*	76.26	*	3448	*	26197	*	
Southern States	SS 868 GENVT3PRO	119	29.77	22.14	*	7.75	*	7.64	*	34.65	*	58.54	*	64.78	0.69	74.38	*	3301		25637	*	
Dyna-Gro	V5683VT3	116	32.07	22.51	*	7.88	*	7.25		33.60	*	56.86	*	62.62	0.68	73.16		3251		25588	*	
Augusta	A5560VT3	110	36.13	23.13	*	8.10	*	7.69	*	29.87	51.44	61.07	0.67		71.54		3171		25558	*		
Augusta	A6164GT3000	114	34.69	22.56	*	7.90	*	7.34		31.12	54.09	60.92	0.67		71.72		3178		25502	*		
Pioneer	33F90AM1	114	33.37	21.56	*	7.55	*	7.76	*	28.84	50.96	62.35	0.70	*	73.93	*	3348	*	25333	*		
Garst Brand	82R44-3000GT Brand	115	31.49	20.93	*	7.33	*	7.36		31.37	55.23	67.76	*	0.71	*	76.30	*	3438	*	25286	*	
RPM	RPM 728HXR	117	33.02	21.27	*	7.44	*	7.25		30.03	52.36	62.93	0.70	*	74.41	*	3370	*	25096	*		
Pioneer	P1745HR	117	32.22	21.64	*	7.57	*	8.03	*	29.54	52.76	60.93	0.69		72.94		3281		24783	*		
Pioneer	P1184AM1	111	34.41	22.41	*	7.84	*	7.53		31.61	54.60	62.76	0.68		72.86		3239		24762	*		
Seed Consultants	SCS 11HQ70™	116	32.43	21.25	*	7.44	*	7.46		30.02	52.95	61.81	0.69		73.53		3314		24731	*		
Seed Consultants	SCS 11HQ39™	112	33.00	20.64	*	7.22	*	7.65	*	30.03	52.79	65.00	0.70	*	75.14	*	3400	*	24596	*		
Seed Consultants	SC 11AGT72™	117	31.50	20.15	*	7.05	*	7.78	*	32.03	54.92	64.84	0.70	*	74.92	*	3367	*	23631	*		
Augusta	A5461GTCBLLA	111	32.24	20.54	*	7.19	*	7.44		30.78	52.26	59.95	0.69		72.86		3295		23464	*		
Augusta	A5462GT3000A	112	31.79	19.52	*	6.83	*	7.11		31.78	52.51	63.46	0.71	*	75.21	*	3422	*	23399	*		
Southern States	SS 818 GENVT3PRO	118	32.82	21.46	*	7.51	*	7.51		33.68	*	57.72	*	60.51	0.67	71.15		3123		23334	*	
Master's Choice	MCT 628 3000GT	115	34.85	21.37	*	7.48	*	7.40		31.36	53.46	59.23	0.67		70.73		3128		23311	*		
Mid-Atlantic Seeds	MA8171VT3	117	30.94	19.30	*	6.76	*	7.51		30.85	54.55	66.54	0.71	*	76.30	*	3449	*	23303	*		
Seed Consultants	SCS 11HQ31™	112	34.08	19.39	*	6.79	*	7.85	*	29.83	51.77	66.98	*	0.71	*	75.75	*	3429	*	23289	*	
Mycogen Seeds	TMF2W727	113	31.07	19.79	*	6.93	*	7.38		30.35	53.02	61.58	0.70	*	73.76		3341	*	23225	*		
Augusta	A6166GT3000A	116	31.37	20.47	*	7.16	*	7.23		32.60	55.53	59.98	0.68		71.98		3207		22937	*		
Croplan Genetics	8756VT3	118	29.58	19.56	*	6.85	*	7.42		35.30	*	59.21	*	67.41	*	75.61	*	3357	*	22923	*	
Pioneer	31G67AM1	119	33.18	20.81	*	7.29	*	7.49		32.23	55.92	61.51	0.67		71.60		3150		22777	*		
DEKALB	DKC68-05 VT3P	118	32.04	19.25	*	6.74	*	7.55		30.22	52.49	62.65	0.70	*	74.01	*	3346	*	22764	*		
Seed Consultants	SCS 11HR63™	119	31.14	19.73	*	6.90	*	6.65		33.70	*	57.35	*	65.01	0.69	74.09	*	3291		22764	*	
RPM	RPM 723HXR	116	31.85	19.50	*	6.83	*	7.33		31.01	53.74	61.19	0.69		73.21		3296		22689	*		
Doebler's	674GRQ	112	35.32	20.02	*	7.01	*	6.99		30.48	50.62	60.32	0.68		71.81		3208		22632	*		
ChannelBio	217-08VT3P	117	34.73	20.05	*	7.02	*	7.47		29.28	49.91	58.82	0.68		71.54		3215		22548	*		
Dyna-Gro	D58VP30	118	30.82	18.83	*	6.59	*	7.23		33.47	*	56.46	*	66.73	0.71	*	76.07	*	3416	*	22547	*

Table 6, continued. 2011 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	DKC66-96 VT3P	116	33.11	19.72	*	6.90	*	7.87	*	30.49	53.80	61.03	0.69	72.82	3268	22525	*						
T.A. Seeds	TA615-16ND	110	29.90	19.18	*	6.71	*	8.27	*	28.69	51.24	62.27	0.70	*	74.22	*	3371	*	22428	*			
DEKALB	DKC63-84 VT3	113	31.06	18.73		6.56		7.74	*	28.40	49.72	62.59	0.71	*	74.86	*	3423	*	22424	*			
ChannelBio	216-63VT3	116	30.65	18.89	*	6.61	*	7.47		31.61	54.47	64.54	0.70	*	74.93	*	3376	*	22352	*			
Croplan Genetics	8221VT3	118	29.28	19.48	*	6.82	*	7.45		31.84	55.73	*	61.32	0.69		72.95		3264		22254	*		
T.A. Seeds	TA780-13V	116	30.25	18.79		6.58		7.92	*	30.21	54.73	63.56	0.69		74.19	*	3329		21927	*			
Augusta	A7664VT3P	116	31.10	18.30		6.41		8.01	*	29.82	52.07	62.89	0.71	*	74.80	*	3405	*	21885				
DEKALB	DKC62-54 VT3	112	32.72	18.50		6.48		7.56		30.74	52.32	62.49	0.70	*	74.07	*	3351	*	21697				
Croplan Genetics	7505VT3	115	32.69	18.01		6.30		7.61		29.15	51.13	64.92	0.71	*	75.63	*	3443	*	21652				
Mid-Atlantic Seeds	MA8151VT3P	115	29.07	18.18		6.36		8.23	*	30.61	54.18	64.12	0.70	*	75.08	*	3393	*	21620				
Master's Choice	MCT 6751 GT	117	32.01	17.97		6.29		7.77	*	29.22	50.17	62.75	0.71	*	75.09	*	3438	*	21582				
Augusta	A5464GTCBLL	114	30.60	18.77		6.57		7.82	*	31.63	53.56	60.71	0.69		72.84		3274		21314				
Augusta	A6465GTCBLL	115	33.48	18.76		6.57		7.52		31.23	54.46	61.69	0.68		72.72		3247		21302				
Mid-Atlantic Seeds	MA8167VT3P	116	32.74	17.82		6.24		7.58		31.05	51.10	62.33	0.70	*	74.39	*	3382	*	21039				
ChannelBio	218-50VT3	118	29.63	18.04		6.31		7.68	*	29.49	52.13	61.41	0.70	*	73.93	*	3359	*	21037				
Dyna-Gro	D55Q80	115	29.91	17.90		6.26		7.66	*	31.10	53.00	61.41	0.70	*	73.76		3339	*	20919				
Mid-Atlantic Seeds	MA5061GT3	106	34.55	18.59		6.51		7.32		31.28	54.09	61.41	0.68		72.10		3200		20842				
Southern States	SS 787 GENVT3PRO	117	31.31	17.85		6.25		7.01		32.71	55.29	64.61	0.69		74.34	*	3321		20750				
T.A. Seeds	TA575-19	107	33.91	18.30		6.41		7.50		29.99	50.57	60.30	0.69		72.38		3255		20736				
ChannelBio	216-96VT3P	116	33.19	18.53		6.49		7.34		31.77	54.47	58.96	0.68		71.32		3175		20474				
Seed Consultants	SCS 11HQ60™	115	33.89	17.46		6.11		7.39		30.56	52.56	63.06	0.70		73.90	*	3326		20351				
T.A. Seeds	TA778-28	115	32.74	17.44		6.10		7.63	*	30.71	53.64	61.44	0.69		73.12		3283		20044				
Croplan Genetics	6725VT3/P	113	33.35	17.94		6.28		7.92	*	31.14	54.03	62.19	0.68		72.61		3226		20043				
Mycogen Seeds	TMF2L872	118	27.70	17.44		6.11		7.47		32.95	*	56.90	*	62.32	0.69		73.24		3265		19911		
T.A. Seeds	TA720-20	113	33.63	18.39		6.44		6.22		35.31	*	57.97	*	59.86	0.66		70.35		3070		19714		
Dyna-Gro	V5294HXTRNS	112	30.55	16.83		5.89		7.78	*	32.45	54.50	63.27	0.70		74.22	*	3337	*	19605				
Seed Consultants	SCS 11HQ38™	112	31.90	17.52		6.13		7.35		33.29	*	57.48	*	60.85	0.67		71.99		3182		19536		
Augusta	A9169VT3	119	29.41	16.96		5.94		7.15		34.40	*	58.29	*	62.23	0.68		72.88		3229		19186		
DEKALB	DKC64-69 VT3P	114	36.56	17.58		6.15		7.12		29.55	51.85	60.15	0.66		70.69		3112		19149				
Augusta	A6266GT3000	116	32.58	16.78		5.87		7.34		32.87	*	54.90		60.62	0.68		72.29		3223		18942		
Mycogen Seeds	F2F665	109	31.00	15.78		5.52		7.74	*	34.11	*	59.16	*	70.89	*	0.70	*	76.50	*	3401	*	18786	

Table 6, continued. 2011 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				
T.A. Seeds	TA790-19	119	30.73	15.57	5.45	7.84	*	29.74	52.86	64.02	0.71	*	75.38	*	3426	*	18653
Mid-Atlantic Seeds	MA5151GTCBLL	115	30.27	16.70	5.85	7.05	*	33.73	*	57.58	*	59.68	0.67	71.37	3159	18557	
RPM	RPM 694HRQ	114	30.99	15.44	5.40	7.81	*	29.73	51.29	64.85	0.71	*	75.14	*	3404	*	18323
Seed Consultants	SC 11GT22™	111	28.98	17.02	5.96	7.33	*	33.61	*	57.71	*	57.46	0.66	69.68	3059	18225	
Augusta	A7669GTCBLL	119	30.55	16.04	5.62	7.85	*	32.08	55.08	60.27	0.68	72.21	3224	18061			
Mid-Atlantic Seeds	MA8150VT3	115	31.59	15.43	5.40	7.86	*	30.47	52.84	61.05	0.70	73.42	3317	17954			
Mid-Atlantic Seeds	MA8129VT3P	112	33.74	15.66	5.48	7.38	*	31.15	53.29	61.23	0.68	72.42	3235	17716			
Mid-Atlantic Seeds	MA8127VT3P	118	32.23	15.35	5.37	7.17	*	29.95	50.88	59.13	0.69	72.58	3285	17694			
Mid-Atlantic Seeds	MA5091GT	115	33.96	15.48	5.42	7.87	*	29.81	52.69	61.43	0.69	72.84	3263	17662			
Seed Consultants	SC 11AXX52™	114	30.10	15.62	5.47	7.25	*	33.69	*	57.19	*	60.24	0.67	71.74	3177	17364	
Dyna-Gro	D56VP69	116	31.34	15.77	5.52	7.26	*	32.57	55.34	59.45	0.67	71.06	3143	17314			
Augusta	A6867GTCBLLA	117	33.53	14.42	5.05	8.06	*	28.90	50.50	62.10	0.70	73.73	3337	*	16809		
Dyna-Gro	D57GT60	117	33.84	14.54	5.09	7.40	*	31.10	54.60	62.26	0.68	72.89	3249	16584			
NK Brand	N74R-3000GT Brand	114	34.35	13.61	4.76	7.32	*	30.32	52.02	60.87	0.68	72.23	3227	15377			
	Site Average		32.08	18.64	6.53	7.52	*	31.23	53.86	62.39	0.69	73.53	3295	21488			
	LSD (0.10)		2.59	4.32	1.51	0.65	*	2.52	3.66	4.01	0.02	2.67	172	5057			
	C.V.		6.54	18.56	18.56	7.01	*	6.53	5.51	5.20	2.81	2.94	4	19			

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. Two-Year Average Corn Silage Test Results (2010 & 2011) 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							
Dyna-Gro	V5683VT3	116	29.35	20.82	*	7.29	*	7.78	34.28	60.14	63.30	0.66	68.37	3030	22203	*				
Augusta	A6164GT3000	114	31.19	19.62	*	6.87	*	8.04	31.41	56.66	60.95	0.66	68.44	3011	20827	*				
Augusta	A5462GT3000A	112	29.89	18.77	*	6.57	*	7.41	31.81	55.66	61.62	0.67	*	69.43	3104	*	20503	*		
Augusta	A5461GTCBLLA	111	29.11	18.49	*	6.47	*	7.86	31.29	55.11	60.61	0.67	*	68.98	3094	*	20090	*		
T.A. Seeds	TA780-13V	116	27.84	18.17	*	6.36	*	8.22	31.53	56.52	62.43	0.67	*	69.40	3107	*	19857	*		
Croplan Genetics	8756VT3	118	26.95	18.29	*	6.40	*	7.58	36.80	*	63.89	*	65.51	0.66	69.66	*	3022	19540	*	
Dyna-Gro	V5294HXTRNS	112	28.50	17.20		6.02		8.52	*	31.11	54.83	62.33	0.67	*	70.15	*	3159	*	19070	*
Mycogen Seeds	F2F665	109	28.88	16.92		5.92		8.17	33.55	59.93	69.71	*	0.67	*	70.52	*	3216	*	19007	*
ChannelBio	216-63VT3	116	29.33	17.07		5.97		7.89	30.78	54.44	61.53	0.68	*	71.15	*	3170	*	19000	*	
Mid-Atlantic Seeds	MA8167VT3P	116	30.17	17.89	*	6.26	*	7.68	33.40	57.61	61.51	0.66		68.16	3016		18900	*		
Croplan Genetics	8221VT3	118	26.21	17.88	*	6.26	*	7.87	33.30	58.39	60.69	0.65		67.76	2989		18875	*		
Augusta	A6867CBLL	117	29.42	18.55	*	6.49	*	8.79	*	31.85	58.42	61.15	0.64		65.08	2873		18701		
DEKALB	DKC63-84 VT3	113	30.25	16.23		5.68		8.19	28.98	52.75	60.84	0.68	*	69.94	*	3142	*	18133		
Seed Consultants	SCS 11HQ39™	112	28.92	16.15		5.65		8.52	*	31.78	56.79	63.57	0.67	*	69.71	*	3114	*	18120	
Seed Consultants	SCS 11HQ38™	112	29.61	17.27		6.05		7.90	32.99	57.78	60.16	0.65		67.79	2989		18103			
RPM	RPM 728HXR	117	29.09	16.26		5.69		7.93	32.06	57.08	61.93	0.66		68.60	3049		17878			
DEKALB	DKC64-69 VT3P	114	30.86	16.77		5.87		7.86	30.81	55.64	59.30	0.65		67.51	2933		17332			
Mid-Atlantic Seeds	MA8150VT3	115	28.52	15.53		5.44		7.94	32.10	56.42	62.27	0.66		68.80	3108	*	16912			
NK Brand	N74R-3000GT Brand	114	29.91	15.84		5.54		7.53	31.89	55.13	60.39	0.66		68.27	3036		16705			
Mid-Atlantic Seeds	MA8129VT3P	112	30.34	15.25		5.34		8.00	31.34	55.79	60.72	0.66		68.83	3042		16275			
	Site Average		29.22	17.39		6.09		7.97	32.16	56.93	62.10	0.66		68.92	3066		18779			
	LSD (0.10)		1.81	3.02		1.06		0.53	1.90	2.90	2.48	0.02		1.64	120		3353			
	C.V.		7.01	19.58		19.58		7.53	6.68	5.77	4.52	2.51		2.70	4		20			

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. Three-Year Average Corn Silage Test Results (2009, 2010 & 2011) 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
RPM	RPM 728HXR	117	32.40	21.21 *	7.42 *	7.24	32.21 *	56.22 *	60.54	0.65 *	67.34	2958	21933 *
T.A. Seeds	TA780-13V	116	29.16	19.60 *	6.86 *	7.52 *	31.41	55.33 *	61.37 *	0.66 *	68.96 *	3082	21203 *
Mid-Atlantic Seeds	MA8150VT3	115	29.97	18.78	6.58	7.20	31.85	55.27 *	61.02 *	0.66 *	68.22 *	3057	20032 *
Seed Consultants	SCS 11HQ39™	112	30.39	18.45	6.46	7.79 *	31.85	56.27 *	62.90 *	0.66 *	68.79 *	3055	19985 *
Seed Consultants	SCS 11HQ38™	112	30.62	18.59	6.51	7.45 *	33.18 *	57.42 *	59.83	0.65	67.35	2961	19257
Croplan Genetics	8221VT3	118	28.52	18.46	6.46	7.09	33.66 *	57.77 *	58.99	0.65	67.13	2947	19105
	Site Average		30.17	19.19	6.72	7.38	32.34	56.35	60.79	0.66	67.98	3012	20264
	LSD (0.10)		1.68	2.17	0.76	0.36	1.78	2.69	1.89	0.01	1.35	101	2257
	C.V.		7.74	15.74	15.74	6.83	7.65	6.64	4.32	2.32	2.77	5	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 9. 2011 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								
Southern States	SS 868 GENVT3PRO	119	32.80	26.06	*	9.12	*	7.48	28.49	45.20	62.48	0.73	*	76.21	*	3557	*	31920	*		
Pioneer	P1745HR	117	35.34	26.47	*	9.26	*	7.12	29.10	46.46	62.40	0.70	*	74.04		3376		31207	*		
Croplan Genetics	8221VT3	118	29.10	24.23	*	8.48	*	7.26	29.54	47.34	63.30	0.73	*	76.43	*	3551	*	30058	*		
Seed Consultants	SCS 11HR63™	119	32.20	25.13	*	8.80	*	7.34	29.39	48.34	61.57	0.71	*	74.55		3420	*	29937	*		
T.A. Seeds	TA790-19	119	32.99	24.30	*	8.51	*	7.36	28.97	46.74	62.55	0.72	*	75.66	*	3503	*	29777	*		
Dyna-Gro	V5683VT3	116	34.69	25.44	*	8.90	*	7.69	*	30.90	52.15	66.11	*	0.71	*	75.69	*	3421	*	29227	*
Augusta	A5461GTCBLLA	111	37.11	25.13	*	8.80	*	7.28	28.52	44.70	61.98	0.69	*	73.07		3311		29205	*		
RPM	RPM 723HXR	116	31.55	24.08	*	8.43	*	7.70	*	29.21	49.43	62.33	0.71	*	74.98		3440	*	28995	*	
Seed Consultants	SCS 11HQ70™	116	30.36	24.11	*	8.44	*	7.29	30.51	50.14	61.81	0.71	*	74.84		3432	*	28861	*		
Mycogen Seeds	TMF2W727	113	30.73	23.33	*	8.17	*	7.44	30.21	50.63	64.24	0.72	*	75.98	*	3482	*	28445	*		
ChannelBio	217-08VT3P	117	34.04	23.95	*	8.38	*	7.87	*	28.67	48.93	61.58	0.70	*	73.97		3368		28230	*	
RPM	RPM 728HXR	117	33.54	23.30	*	8.16	*	7.73	*	28.89	47.72	62.97	0.72	*	75.27	*	3461	*	28179	*	
Seed Consultants	SCS 11HQ39™	112	32.27	22.81		7.98		7.55	28.83	46.02	63.49	0.72	*	75.70	*	3498	*	27871	*		
Seed Consultants	SCS 11HR21™	111	35.28	23.16	*	8.11	*	7.48	29.27	45.40	63.93	0.72	*	76.06	*	3524	*	27676	*		
ChannelBio	218-50VT3	118	30.59	22.41		7.84		7.40	28.72	46.31	60.84	0.72	*	75.32	*	3504	*	27541	*		
T.A. Seeds	TA720-20	113	36.00	23.35	*	8.17	*	7.11	27.94	44.36	61.94	0.70	*	73.78		3370		27533	*		
Pioneer	31G67AM1	119	34.12	22.91		8.02		6.95	30.99	50.02	63.91	0.71	*	74.88		3403		27478	*		
Mid-Atlantic Seeds	MA8167VT3P	116	30.99	22.34		7.82		7.31	29.53	47.89	63.04	0.73	*	76.10	*	3527	*	27478	*		
Croplan Genetics	6725VT3/P	113	32.17	21.91		7.67		7.54	28.46	45.32	62.89	0.73	*	76.60	*	3581	*	27447			
ChannelBio	216-63VT3	116	35.01	22.61		7.92		7.22	28.97	45.06	62.33	0.71	*	74.65		3433	*	27163			
Croplan Genetics	8756VT3	118	31.32	22.17		7.76		6.68	31.09	51.77	64.81	*	0.72	*	76.41	*	3494	*	27059		
Augusta	A6867GTCBLLA	117	33.94	22.21		7.77		7.39	29.42	47.58	64.99	*	0.72	*	75.89	*	3484	*	27058		
Seed Consultants	SCS 11HQ60™	115	30.98	22.30		7.81		7.06	30.33	49.48	62.63	0.72	*	75.38	*	3466	*	26999			
Augusta	A5464GTCBLL	114	35.81	23.03		8.06		7.53	27.20	43.51	60.10	0.71	*	73.63		3386		26887			
DEKALB	DKC66-96 VT3P	116	35.70	23.30	*	8.15	*	7.26	29.54	48.08	61.71	0.69	*	73.03		3297		26848			
Mid-Atlantic Seeds	MA8127VT3P	118	33.55	22.20		7.77		7.10	28.15	46.70	62.54	0.71	*	75.02		3450	*	26810			
Augusta	A6465GTCBLL	115	32.45	22.20		7.77		7.60	29.79	49.96	63.41	0.71	*	75.36	*	3450	*	26761			
Mid-Atlantic Seeds	MA8150VT3	115	32.28	21.95		7.68		7.77	*	30.02	50.39	63.95	0.72	*	75.76	*	3467	*	26658		
DEKALB	DKC63-84 VT3	113	33.73	21.89		7.66		7.53	29.68	47.00	63.01	0.72	*	75.40	*	3475	*	26628			
DEKALB	DKC68-05 VT3P	118	32.07	21.83		7.64		7.22	28.02	47.22	63.06	0.72	*	75.31	*	3466	*	26356			
Augusta	A5462GT3000A	112	32.56	22.08		7.73		7.19	30.54	50.29	63.05	0.71	*	74.76		3406		26326			

Table 9, continued. 2011 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
T.A. Seeds	TA778-28	115	31.83	21.56	7.55	7.30	30.30	50.07	62.68	0.72	*	75.39	*
Pioneer	P1184AM1	111	34.84	21.78	7.62	7.58	29.25	47.95	63.91	0.71		74.89	
Augusta	A6164GT3000	114	33.46	22.10	7.74	7.11	30.89	50.63	62.59	0.70		74.20	
Mid-Atlantic Seeds	MA8151VT3P	115	30.46	20.91	7.32	7.61	*	29.57	48.59	64.64	*	0.73	*
Augusta	A6166GT3000A	116	33.40	21.70	7.60	7.41	30.64	51.12	63.77	0.71		75.06	
Dyna-Gro	D57GT60	117	33.68	21.87	7.65	7.74	*	29.68	48.21	65.12	*	0.72	*
Master's Choice	MCT 6751 GT	117	36.16	21.88	7.66	7.74	*	27.91	47.65	64.47	*	0.70	
Dyna-Gro	D56VP69	116	35.07	21.34	7.47	7.42		28.71	44.87	63.11		0.71	*
RPM	RPM 694HRQ	114	32.80	21.37	7.48	7.12		30.20	49.18	62.11		0.71	*
Mid-Atlantic Seeds	MA8171VT3	117	32.95	20.90	7.32	7.92	*	28.53	48.15	66.01	*	0.73	*
ChannelBio	216-96VT3P	116	34.50	21.12	7.39	7.52		28.49	47.29	63.91		0.71	*
T.A. Seeds	TA780-13V	116	34.70	21.92	7.67	7.40		30.04	50.25	62.91		0.70	
Dyna-Gro	V5294HXTRNS	112	33.68	21.24	7.44	7.83	*	29.06	47.20	61.12		0.71	*
Mycogen Seeds	TMF2L872	118	27.48	21.43	7.50	7.27		31.51	53.60	64.06		0.71	
Seed Consultants	SC 11AXX52™	114	28.13	20.81	7.28	7.37		30.11	48.11	62.16		0.72	*
Seed Consultants	SC 11GT22™	111	35.01	21.33	7.47	7.46		29.83	49.98	65.24	*	0.70	
DEKALB	DKC64-69 VT3P	114	36.47	22.59	7.91	7.32		29.15	48.47	60.33		0.68	
T.A. Seeds	TA615-16ND	110	33.64	21.29	7.45	7.70	*	28.64	48.48	63.86		0.70	
Mid-Atlantic Seeds	MA5091GT	115	34.31	20.70	7.25	7.97	*	27.96	47.47	63.95		0.71	*
Dyna-Gro	D58VP30	118	32.67	20.83	7.29	7.29		31.81	51.88	64.96	*	0.71	*
Augusta	A6867CBLL	117	33.40	20.48	7.17	7.58		29.99	49.22	64.89	*	0.72	*
Pioneer	33F90AM1	114	33.06	20.50	7.18	7.75	*	29.79	50.65	65.72	*	0.71	*
Augusta	A7664VT3P	116	33.32	20.74	7.26	7.67	*	29.33	49.56	62.74		0.71	*
Croplan Genetics	7505VT3	115	31.40	19.90	6.97	7.36		29.08	47.38	62.30		0.73	*
Augusta	A9169VT3	119	28.79	21.23	7.43	6.40		37.06	*	61.44	*	67.37	*
Doebler's	674GRQ	112	33.55	20.95	7.33	6.92		33.48	*	55.97	*	65.11	*
Mid-Atlantic Seeds	MA5061GT3	106	36.39	21.12	7.39	6.93		28.80	46.40	62.06		0.69	
Seed Consultants	SCS 11HQ38™	112	37.05	21.16	7.41	7.73	*	30.50	49.73	62.00		0.69	
DEKALB	DKC62-54 VT3	112	36.72	21.14	7.40	7.52		30.24	49.42	63.34		0.69	
Seed Consultants	SC 11AGT72™	117	34.08	20.39	7.14	8.13	*	28.30	50.80	65.51	*	0.70	
Augusta	A5560VT3	110	35.48	20.40	7.14	7.39		29.71	49.43	64.69	*	0.70	

Table 9, continued. 2011 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
Mid-Atlantic Seeds	MA7161HXT	116	33.58	20.28	7.10	7.76 *	28.25	49.08	64.29	0.71	74.85	3401	23947
Seed Consultants	SCS 11HQ31™	112	33.88	19.26	6.74	7.78 *	28.78	48.38	64.97 *	0.72 *	75.78 *	3470	*
Mid-Atlantic Seeds	MA5151GTCBLL	115	36.38	21.45	7.51	7.08	29.02	48.36	63.79	0.71	74.78	3401	22874
T.A. Seeds	TA575-19	107	32.45	18.79	6.58	7.67 *	30.13	50.41	64.83 *	0.72 *	76.17 *	3491	*
Master's Choice	MCT 628 3000GT	115	33.61	19.19	6.72	7.27	32.66	54.23	65.28 *	0.70	75.02	3367	22626
Dyna-Gro	D55Q80	115	32.35	19.77	6.92	7.38	31.79	54.51	67.42 *	0.72 *	77.07 *	3494	*
Mid-Atlantic Seeds	MA8129VT3P	112	35.72	20.32	7.11	7.36	30.41	50.22	63.80	0.69	73.54	3284	22352
Augusta	A6266GT3000	116	31.85	18.61	6.51	6.90	30.20	49.53	63.20	0.71 *	75.18 *	3441	*
Southern States	SS 787 GENVT3PRO	117	37.37	19.48	6.82	7.35	30.81	51.91	65.02 *	0.68	73.09	3225	21979
Augusta	A7669GTCBLL	119	29.85	18.37	6.43	7.40	31.74	53.17	62.97	0.70	74.71	3388	21796
Mycogen Seeds	F2F665	109	35.36	17.96	6.29	7.12	28.89	47.39	66.12 *	0.71	75.39 *	3425	*
Augusta	A6166CBLLC	116	32.08	17.01	5.95	7.52	29.23	50.83	64.90 *	0.72 *	76.17 *	3487	*
Mid-Atlantic Seeds	MAX16310	114	31.67	15.19	5.32	7.47	29.17	48.27	64.63 *	0.73 *	76.90 *	3565	*
	Site Average		33.32	21.65	7.58	7.41	29.73	49.07	63.54	0.71	75.03	3424	25788
	LSD (0.10)		3.11	3.33	1.17	0.53	3.14	5.82	3.01	0.03	2.13	167	4457
	C.V.		6.89	11.35	11.35	4.99	7.44	8.37	3.34	2.55	2.00	3	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 10. Two-Year Average Corn Silage Test Results (2010 & 2011) 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™	112	33.61	20.27 *	7.09	*	7.09	29.31	51.68	63.68	0.68	*	69.97 *	3186 *	22246 *
Dyna-Gro	V5683VT3	116	33.74	20.83 *	7.29	*	7.24	32.50 *	57.23 *	65.09	0.66		68.83	3054	21213 *
T.A. Seeds	TA780-13V	116	34.36	19.43 *	6.80	*	6.91	31.33 *	54.43 *	62.97	0.67	*	69.26 *	3039	20862 *
Augusta	A5461GTCBLLA	111	35.34	18.59	6.51		6.80	30.62 *	53.17	62.42	0.66		68.41	3035	20273
RPM	RPM 728HXR	117	34.32	18.17	6.36		7.19 *	29.76	52.06	63.51	0.68	*	69.84 *	3105	20217
Augusta	A5462GT3000A	112	35.39	18.04	6.31		6.77	30.47 *	53.50	62.94	0.68	*	70.27 *	3085	19938
Augusta	A6164GT3000	114	35.23	17.97	6.29		6.76	32.69 *	57.38 *	61.33	0.67		69.00 *	2953	19164
ChannelBio	216-63VT3	116	34.82	17.38	6.08		6.52	30.62 *	52.84	61.66	0.67	*	69.18 *	3049	19040
Dyna-Gro	V5294HXTRNS	112	31.88	16.96	5.94		7.53	30.50 *	53.27	62.11	0.67	*	69.18 *	3138 *	18977
Mid-Atlantic Seeds	MA8150VT3	115	30.60	16.44	5.76		7.50	31.03 *	55.22 *	65.18	0.67	*	69.68 *	3209 *	18851
DEKALB	DKC63-84 VT3	113	35.31	17.03	5.96		7.03	30.62 *	53.19	62.31	0.68	*	69.65 *	3078	18848
Mid-Atlantic Seeds	MA8167VT3P	116	31.45	16.49	5.77		7.20 *	31.16 *	54.03 *	63.13	0.68	*	69.66 *	3140 *	18680
DEKALB	DKC64-69 VT3P	114	34.79	16.41	5.74		6.94	29.58	52.83	60.39	0.66		68.33	2999	17514
Seed Consultants	SCS 11HQ38™	112	36.04	16.57	5.80		7.32 *	30.81 *	53.80 *	63.65	0.66		68.00	2958	16717
Mycogen Seeds	F2F665	109	33.21	14.14	4.95		7.08	31.03 *	54.74 *	68.60 *	0.67	*	69.92 *	3240 *	16204
Augusta	A6867CBLL	117	31.03	14.20	4.97		7.51 *	31.34 *	55.02 *	64.10	0.67	*	69.62 *	3136 *	16166
Mid-Atlantic Seeds	MA8129VT3P	112	37.86	16.71	5.85		7.14	31.67 *	56.62 *	63.01	0.66		68.27	2880	16103
Site Average			34.01	17.34	6.07		7.09	30.85	54.09	63.23	0.67		69.25	3078	18843
LSD (0.10)			2.45	1.67	0.58		0.39	2.44	3.80	2.03	0.02		1.31	114	1833
C.V.			7.83	10.46	10.46		5.76	8.37	7.45	3.40	2.31		2.01	4	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. 2011 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	-----% -----</th <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Mcal/lb</th> <th>%</th> <th>lb milk/ton</th> <th>lb milk/acre</th>				Mcal/lb	%	lb milk/ton	lb milk/acre
Dyna-Gro	V5683VT3	116	37.01	18.40	*	6.44	*	8.12	32.36	53.73	61.41	0.67	71.17
Mid-Atlantic Seeds	MA5061GT3	106	40.25	17.74	*	6.21	*	8.21	27.04	43.99	60.82	0.67	70.88
Augusta	A6867GTCBLLA	117	34.77	16.72	*	5.85	*	8.79	29.92	49.91	59.65	0.69	72.11
Pioneer	31G67AM1	119	41.84	18.52	*	6.48	*	7.89	32.97	55.75	*	62.19	*
Mid-Atlantic Seeds	MA8171VT3	117	37.28	16.75	*	5.86	*	8.72	32.28	53.74	64.07	*	0.68
ChannelBio	218-50VT3	118	35.79	16.26		5.69		8.24	30.21	50.22	62.57	*	0.69
Croplan Genetics	8221VT3	118	37.45	16.37		5.73		8.33	29.68	47.87	62.29	*	0.68
RPM	RPM 694HRQ	114	42.57	17.65	*	6.18	*	8.44	31.88	50.18	62.25	*	0.64
Dyna-Gro	V5294HXTRNS	112	34.22	15.92		5.57		9.56	30.52	50.07	60.62	0.69	*
Augusta	A5461GTCBLLA	111	38.95	16.71	*	5.85	*	8.51	30.37	48.01	60.55	0.67	70.88
Augusta	A6166GT3000A	116	38.72	16.72	*	5.85	*	8.23	30.39	47.60	59.09	0.67	70.28
T.A. Seeds	TA780-13V	116	33.13	15.62		5.47		8.60	32.11	52.53	62.36	*	0.70
ChannelBio	216-63VT3	116	35.76	15.60		5.46		8.04	28.12	47.76	61.89	*	0.70
Augusta	A5560VT3	110	40.47	16.89	*	5.91	*	8.44	30.48	52.65	63.38	*	0.65
Seed Consultants	SCS 11HQ60™	115	36.92	16.36		5.73		8.11	32.91	54.35	61.91	*	0.67
Augusta	A6266GT3000	116	38.26	16.24		5.68		7.64	29.97	51.08	62.86	*	0.67
Pioneer	33F90AM1	114	36.08	16.14		5.65		8.50	32.43	53.93	62.28	*	0.67
Mid-Atlantic Seeds	MA8127VT3P	118	39.42	16.27		5.70		7.95	27.82	46.07	59.43	0.67	70.67
RPM	RPM 723HXR	116	34.67	15.95		5.58		8.30	36.37	*	59.32	*	0.67
Augusta	A5462GT3000A	112	40.73	16.37		5.73		8.14	30.94	48.26	60.49	0.66	69.91
Augusta	A6465GTCBLL	115	37.22	15.75		5.51		8.56	32.01	50.68	60.61	0.67	71.52
Dyna-Gro	D58VP30	118	38.35	16.54		5.79		7.61	34.03	*	56.22	*	0.65
Southern States	SS 868 GENVT3PRO	119	34.39	15.77		5.52		8.77	34.24	*	57.81	*	0.67
T.A. Seeds	TA778-28	115	38.90	15.82		5.54		8.62	30.41	47.13	59.28	0.67	70.65
Augusta	A6867CBLL	117	37.68	15.74		5.51		8.72	32.60	52.94	62.31	*	0.67
Seed Consultants	SCS 11HQ39™	112	37.25	15.95		5.58		8.32	32.17	53.24	61.05	0.66	70.89
T.A. Seeds	TA575-19	107	36.24	15.98		5.59		8.38	32.43	53.70	61.47	*	0.66
Seed Consultants	SCS 11HQ70™	116	36.09	15.51		5.43		8.54	33.16	54.59	*	61.98	*
Mid-Atlantic Seeds	MA5151GTCBLL	115	38.44	15.64		5.48		7.95	31.66	50.52	61.86	*	0.67
T.A. Seeds	TA790-19	119	37.54	16.03		5.61		8.72	30.87	52.21	60.43	0.66	70.14
Augusta	A6164GT3000	114	43.03	16.32		5.71		7.97	28.68	46.58	61.34	0.65	69.42
													3017
													17199

Table 11, continued. 2011 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 Seeds	MA7161HXT	116	38.05	15.46	5.41	8.61	31.49	50.14	61.31	0.67	71.55	3175	17107
Seed Consultants	SCS 11HQ31™	112	39.53	15.96	5.58	8.41	32.66	52.26	62.33 *	0.66	70.66	3076	17067
Mid-Atlantic Seeds	MA8129VT3P	112	39.38	15.20	5.32	8.76	29.79	46.90	62.19 *	0.68	71.97	3208	17065
Mid-Atlantic Seeds	MA8167VT3P	116	37.59	15.83	5.54	8.22	34.35 *	56.49 *	62.66 *	0.66	71.05	3082	17049
T.A. Seeds	TA615-16ND	110	31.06	14.65	5.13	9.37 *	30.93	52.16	60.85	0.70 *	73.29 *	3316 *	17037
Pioneer	P1745HR	117	39.57	15.58	5.45	8.57	30.13	51.15	62.66 *	0.66	71.13	3112	17003
Seed Consultants	SC 11AGT72™	117	34.18	14.72	5.15	8.93	29.98	50.99	61.11	0.69 *	72.85	3279	16969
Seed Consultants	SCS 11HR63™	119	36.27	15.64	5.47	8.46	33.19	56.59 *	61.80 *	0.66	71.02	3093	16938
Mid-Atlantic Seeds	MA8151VT3P	115	32.67	14.05	4.92	9.51 *	29.28	49.05	63.28 *	0.71 *	75.22 *	3447 *	16937
Augusta	A7664VT3P	116	36.79	14.94	5.23	9.05 *	32.27	51.20	61.78 *	0.68	72.18	3213	16798
Seed Consultants	SC 11GT22™	111	38.83	15.88	5.56	8.87	31.05	50.04	58.59	0.65	69.17	3021	16748
DEKALB	DKC68-05 VT3P	118	38.90	15.07	5.27	7.94	30.09	49.74	62.50 *	0.67	71.60	3160	16680
DEKALB	DKC66-96 VT3P	116	41.22	15.71	5.50	7.84	29.70	48.53	61.09	0.65	69.91	3052	16624
Augusta	A9169VT3	119	38.17	15.44	5.41	8.07	32.84	56.17 *	62.45 *	0.66	70.79	3064	16587
Croplan Genetics	6725VT3/P	113	44.32	16.24	5.68	8.29	28.44	46.01	59.66	0.63	67.76	2908	16563
Mid-Atlantic Seeds	MA5091GT	115	38.88	14.84	5.19	8.46	28.26	48.57	62.05 *	0.67	71.71	3182	16534
Seed Consultants	SC 11AXX52™	114	38.62	15.10	5.28	8.40	30.36	52.07	63.04 *	0.66	71.39	3125	16522
Augusta	A6166CBLLC	116	39.14	14.99	5.25	8.72	28.24	48.10	62.15 *	0.67	71.35	3150	16500
T.A. Seeds	TA720-20	113	40.91	16.05	5.62	7.95	32.71	53.52	60.83	0.64	68.79	2940	16458
Croplan Genetics	8756VT3	118	39.27	15.85	5.55	7.60	35.43 *	59.73 *	63.48 *	0.64	69.88	2953	16373
Master's Choice	MCT 628 3000GT	115	40.65	15.53	5.44	8.34	28.18	48.18	58.88	0.64	68.54	2976	16299
Seed Consultants	SCS 11HR21™	111	33.86	14.39	5.04	8.80	33.20	54.14	61.39	0.68	72.40	3225	16208
Master's Choice	MCT 6751 GT	117	37.23	14.60	5.11	8.98	32.18	52.51	61.19	0.67	71.37	3150	16181
Southern States	SS 818 GENVT3PRO	118	34.37	14.75	5.16	8.26	34.76 *	57.35 *	61.53 *	0.67	71.47	3134	16162
Doebler's	674GRQ	112	38.24	14.67	5.14	8.42	31.20	51.42	61.69 *	0.67	71.18	3131	16058
ChannelBio	217-08VT3P	117	42.84	15.36	5.38	7.94	27.06	44.75	59.96	0.65	68.79	2992	16053
Augusta	A7669GTCBLL	119	38.79	14.83	5.19	8.60	32.60	53.11	61.77 *	0.66	70.64	3080	15973
DEKALB	DKC62-54 VT3	112	43.02	15.51	5.43	8.40	29.81	47.18	59.10	0.64	68.08	2937	15923
DEKALB	DKC64-69 VT3P	114	36.66	14.21	4.97	8.55	30.21	47.89	58.88	0.68	71.27	3197	15912
RPM	RPM 728HXR	117	33.14	14.46	5.06	8.58	34.95 *	56.96 *	60.76	0.67	71.32	3136	15864
Dyna-Gro	D57GT60	117	37.88	14.80	5.18	8.36	33.42	54.53 *	60.76	0.65	70.09	3045	15837

Table 11, continued. 2011 Corn Silage Test Results at the Southern Piedmont Site

Table 11, continued. 2011 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	
ChannelBio	216-96VT3P	116	40.54	15.20	5.32	8.17	32.68	53.11	60.43	0.64	68.97	2967	15830	
DEKALB	DKC63-84 VT3	113	41.29	14.85	5.20	8.38	28.56	47.11	60.29	0.66	69.72	3051	15793	
Dyna-Gro	D55Q80	115	40.29	14.83	5.19	8.61	29.21	47.77	59.33	0.65	69.39	3039	15772	
Augusta	A5464GTCBLL	114	41.33	14.84	5.19	8.45	30.46	50.59	61.88	*	0.65	69.79	3021	15694
Croplan Genetics	7505VT3	115	38.43	14.13	4.95	8.30	31.44	48.61	60.02	0.67	71.17	3169	15656	
Mid-Atlantic Seeds	MA8150VT3	115	33.06	13.59	4.76	9.40	*	33.00	52.65	62.22	*	0.69	73.09	*
Pioneer	P1184AM1	111	37.22	14.31	5.01	8.83	30.42	50.99	59.53	0.67	70.64	3124	15602	
Dyna-Gro	D56VP69	116	40.21	14.19	4.97	8.37	30.43	47.49	59.41	0.66	69.95	3083	15257	
Seed Consultants	SCS 11HQ38™	112	34.63	13.18	4.61	9.15	*	34.98	*	56.98	*	59.87	0.66	70.13
Mid-Atlantic Seeds	MAX16310	114	35.38	10.77	3.77	9.37	*	33.27	55.34	*	58.74	0.66	70.18	3078
	Site Average		37.86	15.47	5.41	8.47	31.39	51.56	61.29	0.67	71.12	3126	16918	
	LSD (0.10)		3.59	1.93	0.68	0.55	2.80	5.26	2.63	0.02	2.13	157	2219	
	C.V.		7.70	10.11	10.11	5.30	7.24	8.28	3.48	2.88	2.43	4	11	

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. Two-Year Average Corn Silage Test Results (2010 & 2011) 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	-----% -----</th <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th></th> <th>Mcal/lb</th> <th>%</th> <th>lb milk/ton</th> <th>lb milk/acre</th>					Mcal/lb	%	lb milk/ton	lb milk/acre
Dyna-Gro	V5683VT3	116	33.62	15.98 *	5.59 *	7.99	35.26	59.21	59.79	0.64	67.06 *	2861	16297 *
Dyna-Gro	V5294HXTRNS	112	30.61	14.43	5.05	8.44 *	32.80	55.14	60.65	0.66 *	68.22 *	2991	15312 *
Augusta	A6867CBLL	117	34.12	14.20	4.97	8.43 *	34.15	57.58	61.03 *	0.65 *	67.96 *	2939	14769
ChannelBio	216-63VT3	116	32.65	13.76	4.82	7.73	32.90	56.78	59.07	0.66 *	67.87 *	2905	14253
Augusta	A5461GTCBLLA	111	34.33	14.35	5.02	7.80	33.65	57.21	59.79	0.64	66.40	2769	14126
Seed Consultants	SCS 11HQ39™	112	33.08	13.70	4.80	7.61	34.19	58.20	60.42	0.64	66.94	2879	13988
Augusta	A5462GT3000A	112	34.37	13.59	4.76	7.80	34.70	58.09	59.74	0.63	65.59	2795	13500
DEKALB	DKC64-69 VT3P	114	32.41	13.02	4.56	7.86	32.99	54.95	58.18	0.65 *	67.24 *	2925	13451
Augusta	A6164GT3000	114	36.66	13.15	4.60	8.06	33.23	56.17	59.42	0.63	65.82	2772	13016
Mid-Atlantic Seeds	MA8167VT3P	116	32.76	13.12	4.59	8.17	37.37 *	62.17 *	59.64	0.63	66.01	2755	12979
Seed Consultants	SCS 11HQ38™	112	32.25	12.73	4.46	8.70 *	36.70 *	60.75 *	59.26	0.63	66.50	2843	12697
Mid-Atlantic Seeds	MA8129VT3P	112	34.75	12.46	4.36	8.33 *	34.56	57.46	59.50	0.64	66.31	2826	12592
DEKALB	DKC63-84 VT3	113	36.09	12.63	4.42	8.25	33.25	56.24	58.58	0.63	65.94	2784	12501
RPM	RPM 728HXR	117	32.03	12.43	4.35	8.21	37.27 *	61.78 *	59.05	0.64	66.34	2814	12466
Mid-Atlantic Seeds	MA8150VT3	115	29.46	11.77	4.12	8.66 *	35.08	58.02	62.56 *	0.65 *	67.81 *	2929	12318
<hr/>													
Site Average			33.20	13.40	4.69	8.14	34.58	58.02	59.79	0.64	66.81	2854	13596
LSD (0.10)			2.13	1.24	0.44	0.38	1.81	2.96	1.79	0.01	1.27	98	1335
C.V.			7.36	10.62	10.62	5.35	6.00	5.84	3.43	2.23	2.17	4	11

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. Three-Year Average Corn Silage Test Results (2009, 2010 & 2011) 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						
Seed Consultants	SCS 11HQ39™	112	33.51	16.55	*	5.79	*	7.30	32.59	55.95	58.35	0.65	*	67.11	*	2915	*	17077	*
Seed Consultants	SCS 11HQ38™	112	32.47	15.90	*	5.57	*	8.12	34.97	*	58.87	*	57.43	0.64	66.42	2861	15975		
RPM	RPM 728HXR	117	33.19	15.67	5.48	7.61	35.07	*	59.03	*	57.89	0.64	66.28	2837	15759				
Mid-Atlantic Seeds	MA8150VT3	115	30.54	14.51	5.08	7.90	*	33.26	55.92	60.06	*	0.65	*	67.85	*	2962	*	15276	
	Site Average		32.43	15.65	5.48	7.72	33.95	57.41	58.46	0.64	66.93	2894	16023						
	LSD (0.10)		1.92	0.77	0.27	0.23	1.41	2.19	1.70	0.01	1.10	79	954						
	C.V.		8.42	7.02	7.02	4.22	5.91	5.43	4.12	2.07	2.34	4	8						

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. 2011 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	-----% -----</th <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th></th> <th>Mcal/lb</th> <th>%</th> <th>lb milk/ton</th> <th>lb milk/acre</th>				Mcal/lb	%	lb milk/ton	lb milk/acre									
Dyna-Gro	D58VP30	118	34.05	26.83	*	9.39	*	7.61	29.43	46.73	56.74	0.69	*	71.45	3241	*	30365	*				
Augusta	A5462GT3000A	112	37.63	27.15	*	9.50	*	7.39	27.69	44.15	56.67	0.67	*	70.14	3143		29789	*				
RPM	RPM 723HXR	116	34.19	25.91	*	9.07	*	7.31	29.14	47.21	58.81	0.69	*	72.03	*	3257	*	29209	*			
Augusta	A6166GT3000A	116	32.59	24.10	*	8.44	*	7.41	28.68	46.99	59.54	0.70	*	72.98	*	3326	*	29016	*			
ChannelBio	216-63VT3	116	36.94	25.77	*	9.02	*	7.63	27.07	43.35	57.85	0.68	*	71.32		3227		28997	*			
Augusta	A6867GTCBLLA	117	34.23	25.21	*	8.82	*	7.60	29.80	49.20	61.18	*	0.70	*	73.84	*	3364	*	28275	*		
Dyna-Gro	V5683VT3	116	37.95	25.60	*	8.96	*	7.62	26.71	44.47	56.90	0.67	*	69.93		3123		28225	*			
Augusta	A7664VT3P	116	29.55	23.88	*	8.36	*	8.07	*	30.55	49.36	59.36	0.70	*	73.33	*	3349	*	28028	*		
Southern States	SS 868 GENVT3PRO	119	33.14	23.03	*	8.06	*	7.38	32.89	*	54.25	*	60.71	*	0.68	*	72.58	*	3245	*	28019	*
Mid-Atlantic Seeds	MA8150VT3	115	32.75	24.50	*	8.57	*	7.34	29.34	46.94	58.35	0.69	*	71.89	*	3254	*	27917	*			
Augusta	A6166CBLLC	116	34.97	23.99	*	8.40	*	7.23	29.16	48.97	60.03	0.69	*	72.89	*	3304	*	27480	*			
Mid-Atlantic Seeds	MA8127VT3P	118	37.95	25.04	*	8.77	*	6.86	28.38	45.85	55.85	0.67	*	69.83		3124		26906	*			
Mid-Atlantic Seeds	MA8167VT3P	116	33.00	23.09	*	8.08	*	7.58	31.47	52.39	*	61.50	*	0.70	*	73.59	*	3325	*	26872	*	
T.A. Seeds	TA778-28	115	33.30	24.56	*	8.60	*	7.30	31.19	50.32	58.00	0.67	*	70.79		3157		26764	*			
Seed Consultants	SCS 11HR63™	119	36.19	25.45	*	8.91	*	7.58	29.35	47.73	59.41	0.68	*	71.45		3203		26621	*			
T.A. Seeds	TA780-13V	116	35.46	22.86	*	8.00	*	7.15	27.50	46.17	59.46	0.69	*	72.53	*	3292	*	26591	*			
Croplan Genetics	7505VT3	115	33.35	22.87	*	8.00	*	6.97	31.32	48.44	60.09	0.70	*	73.10	*	3323	*	26557	*			
Seed Consultants	SC 11AXX52™	114	34.10	23.15	*	8.10	*	7.45	28.83	46.85	58.55	0.67	*	70.33		3126		26482	*			
Dyna-Gro	D57GT60	117	32.37	22.49		7.87		7.99	*	30.16	48.61	58.94	0.70	*	73.29	*	3356	*	26474	*		
Southern States	SS 787 GENVT3PRO	117	37.24	23.38	*	8.18	*	7.15	28.95	45.22	58.72	0.68	*	71.39		3217		26448	*			
Croplan Genetics	8221VT3	118	29.81	22.59		7.91		7.44	30.46	50.04	60.17	0.70	*	73.32	*	3335	*	26355	*			
T.A. Seeds	TA790-19	119	41.55	25.05	*	8.77	*	7.59	29.02	47.78	59.83	0.65	*	69.33		3025		26348	*			
T.A. Seeds	TA720-20	113	35.27	23.84	*	8.34	*	7.25	30.31	49.54	58.05	0.67	*	70.69		3158		26280	*			
T.A. Seeds	TA615-16ND	110	32.07	22.11		7.74		8.12	*	26.45	44.99	59.96	0.71	*	73.91	*	3406	*	26253	*		
Augusta	A5464GTCBLL	114	36.99	22.49		7.87		7.61	27.92	44.83	59.08	0.70	*	72.86	*	3332	*	25892	*			
Augusta	A7669GTCBLL	119	34.98	24.02	*	8.41	*	8.08	*	28.38	47.14	58.70	0.69	*	72.02	*	3259	*	25790	*		
ChannelBio	218-50VT3	118	28.99	23.24	*	8.13	*	7.18	34.92	*	57.96	*	59.41	0.67	*	71.11		3140		25555	*	
ChannelBio	217-08VT3P	117	35.74	23.11	*	8.09	*	7.25	29.63	47.89	57.46	0.68	*	70.65		3163		25461	*			
Pioneer	P1184AM1	111	36.97	22.72		7.95		7.91	*	26.80	44.01	57.38	0.68	*	70.75		3184		25417	*		
Seed Consultants	SCS 11HQ39™	112	33.71	22.79		7.98		7.62	30.82	50.59	58.16	0.68	*	71.09		3180		25382	*			
DEKALB	DKC63-84 VT3	113	34.41	21.86		7.65		7.63	27.90	44.67	56.79	0.70	*	72.20	*	3308	*	25374	*			

Table 14, continued. 2011 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									
RPM	RPM 694HRQ	114	34.72	24.93	*	8.73	*	7.53	30.55	50.11	60.51	0.69	*	72.39	*	3255	*	25332	*			
DEKALB	DKC66-96 VT3P	116	34.59	22.48		7.87		7.16	29.52	47.86	56.94	0.68		71.09		3207		25330	*			
Dyna-Gro	V5294HXTRNS	112	31.35	22.60		7.91		8.30	*	28.70	47.44	59.52	0.70	*	72.98	*	3327	*	25311	*		
Dyna-Gro	D55Q80	115	29.65	20.36		7.12		8.07	*	28.64	47.92	59.72	0.71	*	74.02	*	3407	*	24850			
ChannelBio	216-96VT3P	116	41.50	23.08	*	8.08	*	6.92	28.31	46.57	57.80	0.65		68.75		3009		24732				
Seed Consultants	SCS 11HQ31™	112	33.00	21.11		7.39		7.66	30.67	50.15	60.20	0.70	*	73.47	*	3345	*	24659				
Seed Consultants	SC 11GT22™	111	33.67	19.99		7.00		7.24	27.98	46.39	58.20	0.69	*	72.33	*	3296	*	24633				
Seed Consultants	SC 11AGT72™	117	33.83	21.85		7.65		7.37	30.99	52.53	*	60.86	*	0.68		71.77		3189	24356			
Seed Consultants	SCS 11HQ70™	116	35.48	21.37		7.48		7.31	30.03	48.08	59.18	0.69	*	71.96	*	3245	*	24291				
Augusta	A5560VT3	110	37.56	21.85		7.65		7.49	30.39	49.29	60.04	0.67		70.61		3119		24160				
Augusta	A5461GTCBLLA	111	34.12	21.21		7.42		6.84	31.86	*	52.37	*	61.37	*	0.69	*	72.74	*	3257	*	24158	
Mid-Atlantic Seeds	MA8171VT3	117	34.17	21.24		7.43		7.37	29.87	47.87	59.50	0.69	*	71.99	*	3245	*	24006				
Croplan Genetics	6725VT3/P	113	34.76	20.96		7.34		7.47	29.83	49.43	59.23	0.69	*	72.16	*	3255	*	23961				
Seed Consultants	SCS 11HR21™	111	34.54	20.78		7.27		7.39	30.22	48.27	60.33	0.69	*	72.56	*	3278	*	23939				
Mid-Atlantic Seeds	MA8151VT3P	115	29.99	20.56		7.20		7.80	*	31.42	51.41	60.58	0.70	*	73.47	*	3328	*	23900			
Dyna-Gro	D56VP69	116	34.43	20.87		7.31		7.87	*	29.57	47.49	59.09	0.69	*	72.12	*	3262	*	23851			
Doebler's	674GRQ	112	36.32	21.76		7.62		7.31	28.83	46.65	57.50	0.67		70.37		3141		23781				
Seed Consultants	SCS 11HQ38™	112	31.62	20.50		7.18		7.47	30.76	50.78	60.59	0.70	*	73.17	*	3313	*	23743				
Mid-Atlantic Seeds	MA7161HXT	116	32.91	21.55		7.54		7.96	*	29.14	47.58	60.38	0.68		71.74		3212		23621			
Mid-Atlantic Seeds	MA5061GT3	106	35.35	19.39		6.79		7.26	29.77	47.62	58.87	0.69	*	72.54	*	3300	*	23594				
RPM	RPM 728HXR	117	36.91	21.16		7.41		7.36	28.50	46.86	58.08	0.67		70.64		3158		23486				
DEKALB	DKC62-54 VT3	112	35.43	20.36		7.13		7.15	30.21	49.80	60.05	0.68	*	72.12	*	3238	*	23082				
Mid-Atlantic Seeds	MA5151GTCBLL	115	33.67	20.55		7.19		7.02	30.70	49.66	57.19	0.68		70.96		3189		22961				
Augusta	A6465GTCBLL	115	33.85	20.23		7.08		7.55	30.28	49.71	58.40	0.68	*	71.58		3225		22956				
Augusta	A9169VT3	119	36.48	20.83		7.29		6.83	30.93	50.89	59.63	0.67		70.77		3131		22782				
Croplan Genetics	8756VT3	118	34.70	21.19		7.42		6.79	31.35	53.35	*	56.91	0.66		69.23		3050		22676			
Seed Consultants	SCS 11HQ60™	115	33.01	19.35		6.77		7.96	*	28.47	48.43	60.56	0.69	*	72.35	*	3255	*	22120			
Pioneer	31G67AM1	119	31.65	20.00		7.00		6.98	33.80	*	55.74	*	59.17	0.67		71.01		3138		21971		
T.A. Seeds	TA575-19	107	34.62	18.58		6.50		7.72	27.38	44.75	57.37	0.70	*	72.23	*	3302	*	21522				
Mid-Atlantic Seeds	MA8129VT3P	112	33.97	18.54		6.49		6.99	31.38	51.28	58.49	0.68		71.52		3204		20738				
Augusta	A6867CBLL	117	36.64	18.34		6.42		8.17	*	27.17	45.33	58.54	0.68		71.04		3191		20467			

Table 14, continued. 2011 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						
Pioneer	33F90AM1	114	32.08	17.51	6.13	7.81	*	31.26	50.11	62.10	*	0.69	*	72.98	*	3280	*	20103	
Mid-Atlantic Seeds	MA5091GT	115	37.38	18.56	6.49	6.75		30.88	52.58	*	60.64	0.66		70.48		3088		20057	
Augusta	A6266GT3000	116	37.72	17.91	6.27	7.44		28.64	47.86	57.27	0.65		68.91		3029		19071		
Pioneer	P1745HR	117	32.69	16.41	5.74	7.72		31.76	52.93	*	61.57	*	0.69	*	73.25	*	3294	*	18878
Augusta	A6164GT3000	114	35.91	16.18	5.66	7.86	*	28.70	44.99	59.21	0.69	*	72.38	*	3291	*	18636		
DEKALB	DKC64-69 VT3P	114	34.81	16.68	5.84	6.85		29.43	50.22	58.57	0.67		70.65		3146		18311		
DEKALB	DKC68-05 VT3P	118	31.23	15.55	5.44	7.21		29.88	49.64	61.19	*	0.70	*	73.92	*	3367	*	18269	
Mid-Atlantic Seeds	MAX16310	114	34.85	14.81	5.18	7.48		29.52	48.23	63.11	*	0.69	*	73.13	*	3285	*	17041	
	Site Average		34.48	21.76	7.62	7.45		29.68	48.60	59.12	0.68		71.87		3233		24582		
	LSD (0.10)		4.09	4.32	1.51	0.58		3.13	5.65	2.46	0.03		2.29		178		5086		
	C.V.		9.56	15.98	15.98	6.24		8.49	9.37	3.35	3.20		2.56		4		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 15. Two-Year Average Corn Silage Test Results (2010 & 2011) 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	A5462GT3000A	112	42.07	28.47 *	9.97 *	6.39	28.91	49.74	58.53	0.66	67.81	2741	27155 *
ChannelBio	216-63VT3	116	38.62	26.34 *	9.22 *	6.70	27.10	46.65	58.60	0.67	69.05 *	2937	27052 *
Mid-Atlantic Seeds	MA8150VT3	115	35.89	24.60	8.61	6.43	29.09	48.91	60.03 *	0.67	68.81 *	3021 *	25971 *
Dyna-Gro	V5683VT3	116	41.32	25.67 *	8.98 *	7.05 *	26.89	47.36	59.38 *	0.67	68.66 *	2847	25797 *
T.A. Seeds	TA780-13V	116	36.19	24.59	8.61	6.30	30.21 *	50.74	58.87 *	0.66	68.16	2983 *	25644 *
Augusta	A6867CBLL	117	39.68	25.51 *	8.93 *	6.85	27.86	48.81	60.86 *	0.67	68.59 *	2906	25411 *
Mid-Atlantic Seeds	MA8167VT3P	116	38.45	25.02	8.76	6.94	29.98	51.09	58.95 *	0.68	70.14 *	2911	25205 *
Croplan Genetics	8221VT3	118	33.17	23.59	8.26	6.61	31.07 *	51.84	59.17 *	0.67	69.24 *	3034 *	24933 *
Dyna-Gro	V5294HXTRNS	112	33.96	23.74	8.31	7.40 *	29.77	49.97	58.66	0.67	69.27 *	3038 *	24631 *
Seed Consultants	SCS 11HQ39™	112	36.39	23.41	8.20	6.79	29.98	51.50	59.94 *	0.67	68.74 *	2981 *	24401 *
Seed Consultants	SCS 11HQ38™	112	34.75	22.94	8.03	6.80	30.65 *	51.57	60.31 *	0.68	69.98 *	3061 *	24288 *
DEKALB	DKC63-84 VT3	113	38.62	23.60	8.26	7.00	27.58	47.29	58.15	0.68	69.75 *	2939	24128 *
RPM	RPM 728HXR	117	40.69	23.80	8.33	6.66	26.85	46.48	59.52 *	0.68	69.46 *	2897	23922 *
Augusta	A5461GTCBLLA	111	39.83	23.97	8.39	6.35	30.13 *	51.69	60.83 *	0.67	69.74 *	2878	23806 *
Croplan Genetics	8756VT3	118	40.58	25.59 *	8.96 *	6.04	32.65 *	56.65 *	57.90	0.65	66.65	2665	23316
Augusta	A9169VT3	119	42.90	24.19	8.47	5.97	32.51 *	56.82 *	60.30 *	0.65	67.01	2699	22451
DEKALB	DKC64-69 VT3P	114	39.46	22.77	7.97	6.52	27.39	48.69	58.58	0.67	69.43 *	2839	21955
Mid-Atlantic Seeds	MA8129VT3P	112	37.85	21.30	7.45	6.19	30.81 *	52.82 *	58.86 *	0.67	68.69 *	2864	21001
Augusta	A6164GT3000	114	39.80	21.19	7.42	6.97	29.34	49.66	59.53 *	0.67	69.18 *	2882	20661
	Site Average		38.43	24.16	8.46	6.63	29.40	50.42	59.30	0.67	68.86	2901	24234
	LSD (0.10)		2.86	3.06	1.07	0.38	2.62	4.11	2.10	0.02	1.60	119	3397
	C.V.		8.67	14.72	14.72	6.60	10.36	9.48	4.12	3.04	2.70	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 16. Three-Year Average Corn Silage Test Results (2009, 2010 & 2011) 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
T.A. Seeds	TA780-13V	116	36.12	24.31 *	8.51 *	5.71	30.87	51.63	56.72 *	0.66 *	67.47 *	2946 *	25054 *
Croplan Genetics	8221VT3	118	34.64	24.26 *	8.49 *	5.93	31.56 *	52.51	55.94 *	0.66 *	67.75 *	2946 *	24890 *
Seed Consultants	SCS 11HQ38™	112	36.32	24.43 *	8.55 *	6.30 *	31.14 *	52.47	56.32 *	0.66 *	67.68 *	2923 *	24618 *
Seed Consultants	SCS 11HQ39™	112	37.00	23.68 *	8.29 *	6.54 *	30.92	52.92	57.12 *	0.66 *	67.23 *	2889 *	23918 *
RPM	RPM 728HXR	117	41.39	24.19 *	8.47 *	6.11	27.99	48.08	56.36 *	0.67 *	67.45 *	2803	23550 *
Augusta	A9169VT3	119	43.31	24.88 *	8.71 *	5.65	33.11 *	57.56 *	57.02 *	0.64	64.92	2605	22351 *
Site Average													
LSD (0.10)													
C.V.													

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).

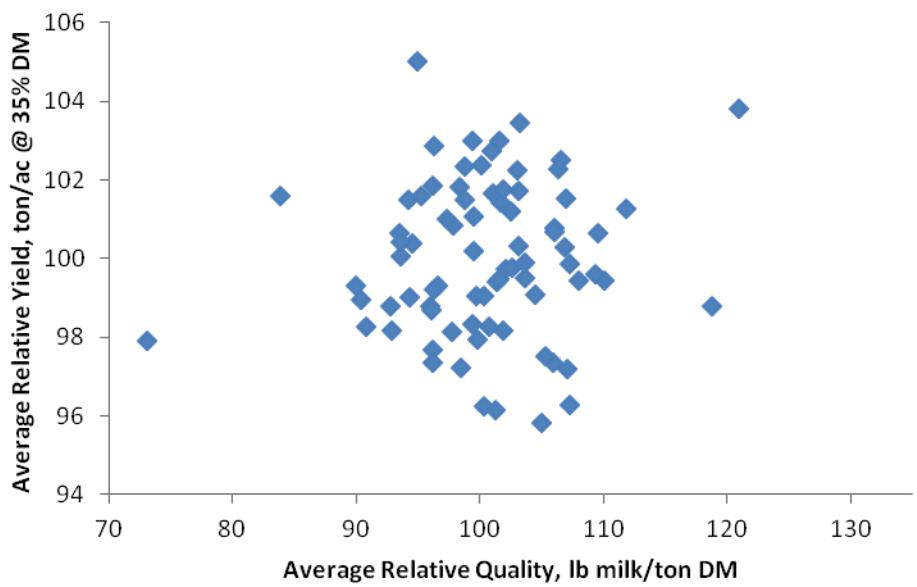


Figure 1. Average relative yield versus quality across all test sites in 2011

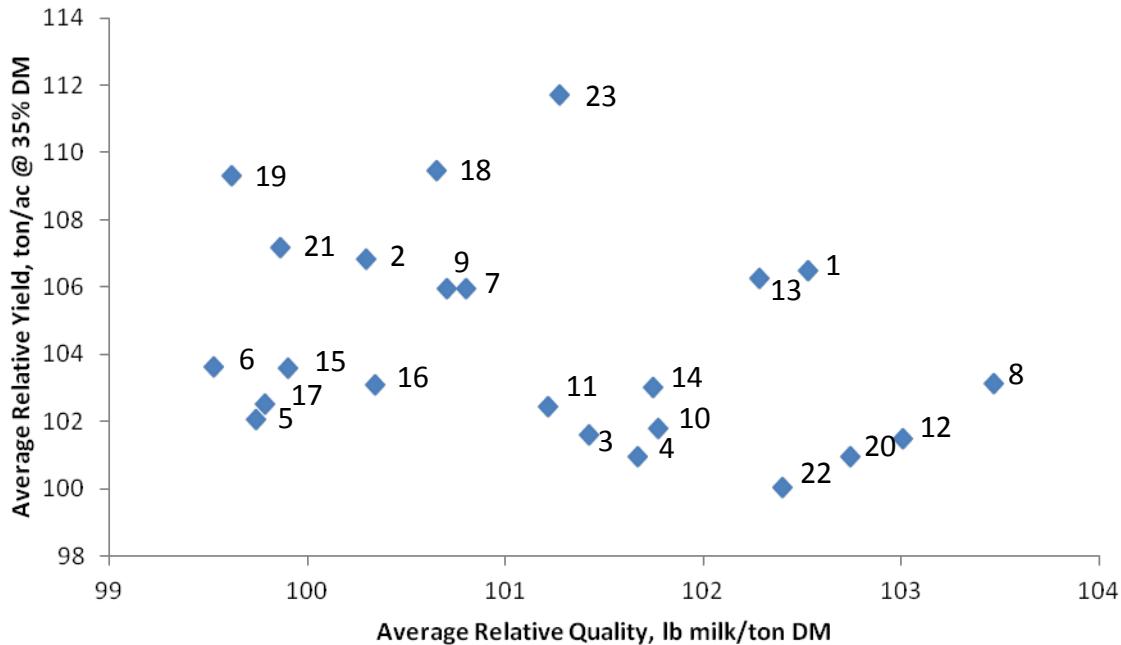


Figure 2. High yielding and high quality hybrids that appeared in at least 3 site/year combinations in 2011

Point ID	Brand	Hybrid
1	Croplan Genetics	8221VT3
2	Dyna-Gro	D58VP30
3	DEKALB	DKC68-05 VT3P
4	T.A. Seeds	TA780-13V
5	T.A. Seeds	TA778-28
6	T.A. Seeds	TA790-19
7	Seed Consultants	SCS 11HQ39™
8	Seed Consultants	SCS 11HR21™
9	Seed Consultants	SCS 11HQ70™
10	Mid-Atlantic Seeds	MA8167VT3P
11	Mid-Atlantic Seeds	MA7161HXT
12	Mid-Atlantic Seeds	MA8171VT3
13	ChannelBio	216-63VT3
14	ChannelBio	218-50VT3
15	Pioneer	P1745HR
16	RPM	RPM 728HXR
17	RPM	RPM 694HRQ
18	RPM	RPM 723HXR
19	Augusta	A5462GT3000A
20	Augusta	A6867GTCBLLA
21	Augusta	A6166GT3000A
22	Augusta	A7664VT3P
23	Southern States	SS 868 GENVT3PRO

