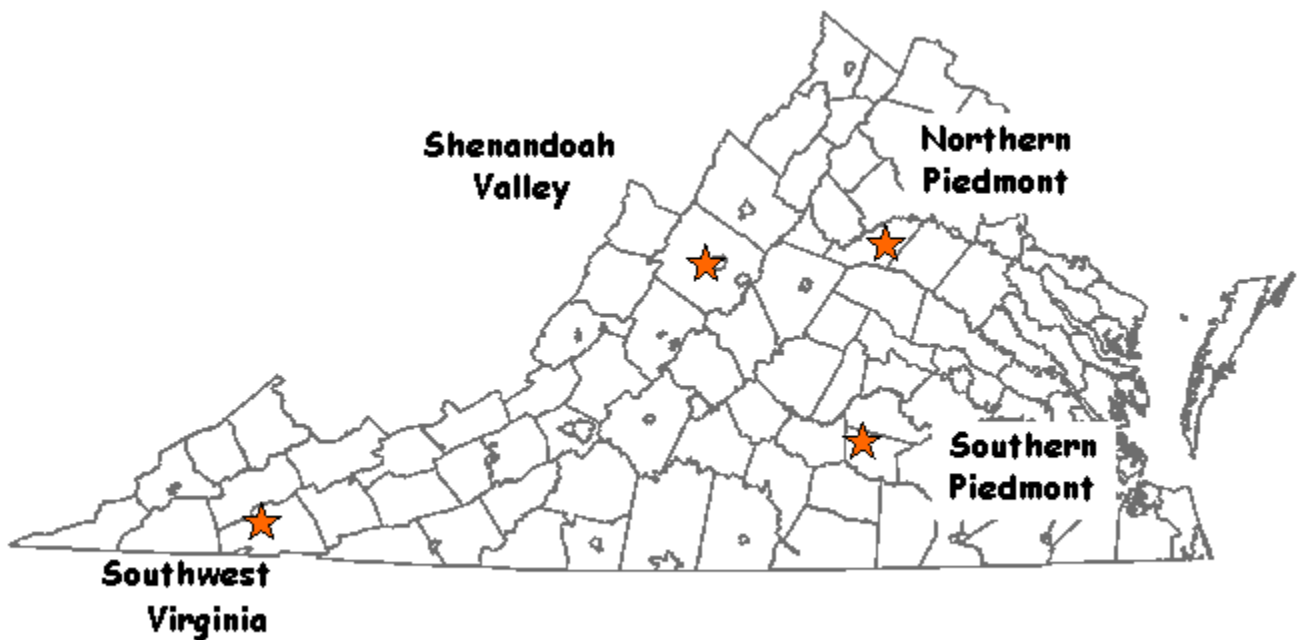


Virginia Tech Corn Silage Testing 2012



THE 2012 VIRGINIA CORN SILAGE HYBRID TRIALS

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THE 2012 VIRGINIA CORN SILAGE HYBRID TRIALS

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COMPANIES PARTICIPATING IN THE 2012 CORN SILAGE TRIALS

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Chemgro Seeds	Chemgro	PO Box 218, East Petersburg, PA 17520
Doebler's PA Hybrids, Inc	Doebler's and RPM	202 Tiadaghton Ave., Jersey Shore, PA 17740
Crop Production Services	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens Church, VA 23148
Hubner Seed	Hubner Seed	10280 W. State Rd 28, West Lebanon, IN 47991
King's AgriSeeds, Inc	Masters Choice	60 North Ronks Rd. Suite K, Ronks, PA 17572-9645
Mid-Atlantic Seeds, Inc	Mid-Atlantic	204 St. Charles Way #163, York, PA 17402
Monsanto	Channel	800 N Lindbergh Blvd., St Louis, MO 63167
Pioneer Hi-Bred International, Inc	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	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 2012 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 2012, 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.

2012 VIRGINIA CORN SILAGE PLOT INFORMATION
(Rates are on a per acre basis.)

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

Planted: April 10, 2012

Harvested: July 16-17, 2012

Pesticide: 5 lb Force 3G® at planting

Fertilizer: 1000 lb 10-10-10 preplant incorporated April 9, 2012; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 80 lb N topdressed using UAN 32 May 15, 2012.

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 22, 2012

Harvested: August 21, 2012

Pesticide: 5 lb Force 3G® at planting; 3 qt Lumax® + 1 qt atrazine + 1 qt glyphosate April 17, 2012; 1 qt Gramoxone May 1, 2012; spot-sprayed grass areas with 1 qt glyphosate May 21, 2012; 1 oz Impact®.

Fertilizer: 30-80-60 preplant incorporated April 20, 2012; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 100 lb N sidedressed June 19, 2012.

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 21, 2012

Harvested: September 12, 2012

Pesticide: 5 lb Force 3G® at planting; 1.125 qt Aatrex® (atrazine) + 1.5 qt Princep® + 5.8 oz Asana® + 1.5 qt Lumax® May 12, 2012; 1.5 qt Prowl® + 0.5 oz Profine (generic Permit) + 1.25 qt Touchdown Total® (glyphosate).

Fertilizer: Preplant broadcast 8 tons dairy heifer bed; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 20 lb S as AMS + chemicals May 12, 2012.

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 17, 2012

Harvested: September 13, 2012

Pesticide: 5 lb Force 3G® at planting; Roundup® plus 2 qt Bicep Magnum®; spot treatment with Accent® for johnsongrass.

Fertilizer: 81-41-180 preplant; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 lb N sidedressed.

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 2012 VA Tech Corn Silage Hybrid Test					
Brand	Hybrid	ID	Trait Group¹	DTM²	OBS³
Augusta	A5560VT3	8123	28	110	4
Augusta	A5461GTCBLLA	8109	2	111	4
Augusta	A5362VT3Pro	8053	31	112	4
Augusta	A5462GT3000A	8111	6	112	4
Augusta	A5363VT3Pro	8047	31	113	4
Augusta	A7664VT3	8127	31	114	4
Augusta	A5565VT3Pro	8048	31	115	4
Augusta	A6166GT3000A	8119	6	116	4
Augusta	A6867CBLL	8107	1	117	4
Augusta	A6867GTCBLLA	8118	2	117	4
Augusta	A6767GT3000	8049	6	119	4
Augusta	A6969RR	8050		119	4
Channel	214-14VT3P	4754	31	114	4
Channel	215-52VT3P	4798	31	115	4
Channel	216-63VT3	4755	28	116	4
Channel	218-73VT3P	4797	31	118	4
Chemgro	7312GT	8252	4	113	1
Chemgro	7747RVP	8253	31	115	1
Chemgro	7798G3	8254	6	117	1
Doebblers	674GRQ	5138	6	113	4
Doebblers	RPM® 688AMX™	5141	18	113	4
Doebblers	678GRV	5143	9	113	4
Doebblers	RPM® 743HXR™	5142	12	116	4
Dyna-Gro	V5294HXTRNS	4066	14	112	4
Dyna-Gro	D56VP24	4077	31	116	4
Dyna-Gro	CX12117	4078	31	117	4
Dyna-Gro	D58VP30	4073	31	118	4
Garst	83Z99 3000GT Brand	4125	6	115	1
Hubner Seed	H6644RCSS	4883	32	112	4
Hubner Seed	H6762RCSS	4882	32	114	4
Hubner Seed	H5984VT3P	4884	31	115	4
Masters Choice	MCT 6753 3000GT	4805	6	117	3
Mid-Atlantic Seeds	MA8127VT3P	4907	31	110	1
Mid-Atlantic Seeds	MAX8151VT3P	4747	31	113	1
Mid-Atlantic Seeds	MA8150VT3P	4915	31	113	1
Mid-Atlantic Seeds	MAX8157VT3P	4919	31	113	1
Mid-Atlantic Seeds	MA8167VT3P	4743	31	114	1
Mid-Atlantic Seeds	MA7161HXT	4748	14	114	1
Mid-Atlantic Seeds	MAX8166VT3P	4917	31	114	1
Mid-Atlantic Seeds	MAX8175VT3P	4918	31	115	1
NK	N74R 3000GT Brand	8980	6	114	1
Pioneer	P0912HR	5065	12	109	4
Pioneer	P1184AM1	5059	17	111	4
Pioneer	P1319AM1	5070	17	113	4
Pioneer	P1376XR	5071	14	113	4
Pioneer	1498HR	5068	12	114	4

Table 1. List of Hybrids in the 2012 VA Tech Corn Silage Hybrid Test					
Brand	Hybrid	ID	Trait Group¹	DTM²	OBS³
Pioneer	P1745AM1	5061	17	117	4
Pioneer	P2088AM1	5072	17	120	4
Seed Consultants	SCS 11HR21™	4627	12	111	4
Seed Consultants	SCS 11HQ39™	4594	14	112	4
Seed Consultants	SC 11AGT30™	4628	2	112	4
Seed Consultants	SCS 11HR31™	4634	12	112	4
Seed Consultants	SCS 1138AMX™	4642	18	112	4
Seed Consultants	SCS 11HQ42™	4641	14	113	4
Seed Consultants	SCS 11HR63™	4638	12	115	4
Seed Consultants	SCS 11HQ70™	4639	14	116	4
Seed Consultants	SC 11GT72™	4637	6	117	4
Seed Consultants	SS 67-32 GENVT3P™	8380	31	117	4
Seed Consultants	SS 824 GENVT3P™	8381	31	118	4
T.A. Seeds	TA615-16ND	4547	14	110	4
T.A. Seeds	TA780-13V	4511	28	116	4
T.A. Seeds	TA783-22DP	5408	29	118	4
¹ Trait Group according to Table 2.					
² Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.					
³ Number of observations hybrid occurred (OBS); the greater the observations, the more reliable the data.					
Shaded hybrids indicate hybrids entered in less than 3 locations. Hybrids are sorted by Brand then DTM.					

Table 2. 29-Oct-12	Bt protein(s)	Insects controlled (bold) <i>or suppressed (italics)</i> <i>Above-ground ----- In soil</i>	Herbicide tolerance	Refuge %, location Non-cotton counties	
Agrisure products					
1-Agrisure CB/LL	Cry1Ab	ECB <i>CEW FAW SB</i>	---	LL	20% within ½ mile
2-Agrisure GT/CB/LL	Cry1Ab	ECB <i>CEW FAW SB</i>	---	GT LL	20% within ½ mile
3-Agrisure RW	mCry3A	---	CRW	--	20% in field/adjacent
4-Agrisure GT/RW	mCry3A	---	CRW	GT	20% in field/adjacent
5-Agrisure CB/LL/RW	Cry1Ab mCry3A	ECB <i>CEW FAW SB</i>	CRW	LL	20% in field/adjacent
6-Agrisure 3000GT	Cry1Ab mCry3A	ECB <i>CEW FAW SB</i>	CRW	GT LL	20% in field/adjacent
7-Agrisure Artesian 4011	Cry1Ab mCry3A	ECB <i>CEW, FAW, SB</i>	CRW	GT LL	20% in field/adjacent
8-Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW WBC SB	---	GT LL	20% within ½ mile
9-Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW CEW ECB FAW WBC SB	CRW	GT LL	20% in field/adjacent
10-Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW WBC <i>CEW SB</i>	CRW	GT	5% in the bag
11-Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW WBC SB	---	GT	5% in the bag
Herculex products					
12-Herculex 1 (HX1)	Cry1F	BCW ECB FAW WBC <i>CEW SB</i>	---	LL RR2 (some)	20% within ½ mile
13-Herculex RW (HXRW)	Cry34/35Ab1	---	CRW	LL RR2 (some)	20% in field/adjacent
14-Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC <i>CEW SB</i>	CRW	LL RR2 (some)	20% in field/adjacent
Optimum products					
15-Optimum (AM-R) AcreMax	Cry1F Cry1Ab	BCW ECB FAW WBC <i>CEW SB</i>	---	RR2	5% in the bag
16-Optimum (AMRW-R) AcreMax Rootworm	Cry34/35Ab1	---	CRW	RR2	10% in the bag
17-Optimum (AM1) AcreMax1	Cry1F Cry34/35Ab1	BCW ECB FAW WBC <i>CEW SB</i>	CRW	LL RR2	10% in the bag (CRW) 20% -½ mile (ECB)

18-Optimum (AMX-R) AcreMax Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	10% in the bag
19-Optimum (AMXT-R) AcreMax Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	5% in the bag
20-Optimum Intrasect	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	LL RR2	5% within ½ mile
21-Optimum Intrasect Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
22-Optimum Intrasect Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	LL RR2	5% in field/adjacent
23-Optimum TRIssect	Cry1F mCry3A	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
YieldGard products					
24-YGCB	Cry1Ab	ECB CEW FAW SB	---	RR2 (some)	20% within ½ mile
25-YGRW	Cry3Bb1	---	CRW	RR2 (some)	20% in field/adjacent
26-YieldGard Plus	Cry1Ab Cry3Bb1	ECB CEW FAW SB	CRW	RR2 (some)	20% in field/adjacent
27-YieldGard VTRW	Cry3Bb1	---	CRW	RR2	20% in field/adjacent
28-YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB CEW FAW SB	CRW	RR2	20% in field/adjacent
Genuity / SmartStax products					
29-Genuity VT Double PRO	Cry1A.105 Cry2Ab2	CEW ECB FAW	---	RR2	5% within ½ mile
30-Genuity VT Double PRO RIB Complete	Cry1A.105 Cry2Ab2	CEW ECB FAW	---	RR2	5% in the bag
31-Genuity VT Triple PRO RIB Complete	Cry1A.105 Cry2Ab2 Cry3Bb1	CEW ECB FAW	CRW	RR2	10% in the bag
32-SmartStax (Dow) or Genuity SmartStax (Monsanto)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW WBC SB	CRW	LL RR2	5% in field/adjacent
33-Genuity SmartStax RIB Complete	Same as Genuity SmartStax	BCW CEW ECB FAW WBC SB	CRW	LL RR2	5% in the bag
34-REFUGE ADVANCED Powered by SmartStax	Same as SmartStax	BCW CEW ECB FAW WBC SB	CRW	LL RR2	5% in the bag

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						
			2012	2011	2012	2011	2012	2011	2012	2011								
-----Relative Ton per Acre ³ -----																		
Mid-Atlantic Seeds	MAX8157VT3P	113	133	*								133	1					
Channel	214-14VT3P	114	184	*		107		96		115		125	4					
Seed Consultants	SCS 11HQ39™	112	146	*	111	*	99	105	124	*	103	*	126	*	105	115	8	
Seed Consultants	SCS 11HR63™	115	134	*	106	*	104	116	*	105	101	*	121	*	117	*	113	8
Chemgro	7312GT	113	112													112	1	
Dyna-Gro	CX12117	117	121			95			113	*		115				111	4	
Augusta	A5565VT3Pro	115	152			104			92			93				110	4	
Seed Consultants	SCS 11HR31™	112	106			109	*		107			119	*			110	4	
Doeblers	RPM® 688AMX™	113	155	*		101			102			83				110	4	
Augusta	A6767GT3000	119	117			103	*		103			110				108	4	
Seed Consultants	SCS 11HQ70™	116	124	*	114	*	104	111	*	100	100	*	112	98		108	8	
Southern States	SS 824 GENVT3P	118	115			105	*		112			97				107	4	
Dyna-Gro	D58VP30	118	118		101	*	108	*	96	104	107	*	101	123	*	107	8	
Masters Choice	MCT 6753 3000GT	117	108			105			106							106	3	
Mid-Atlantic Seeds	MA7161HXT	114	121	*	117	*		94		100	*		99			106	5	
Augusta	A5461GTCBLLA	111	122		110	*	91	116	*	87	108	*	116	97		106	8	
Pioneer	P2088AM1	120	92			99	*		122	*		108				105	4	
Seed Consultants	SCS 11HR21™	111	97		117	*	104	107	*	107	93	120	*	96		105	8	
Seed Consultants	SC 11AGT30™	112	98			107	*		100			115				105	4	
Augusta	A5462GT3000A	112	117		105	*	111	102	88	106	*	83	125	*		105	8	
Hubner Seed	H6644RCSS	112	92			105			104			115	*			104	4	
Pioneer	P1184AM1	111	122		120	*	106	101	104	92	81	104				104	8	
Channel	216-63VT3	116	118		101	*	85	104	105	101	*	94	118	*		103	8	
Seed Consultants	SCS 1138AMX™	112	95			92			111			116	*			103	4	
Pioneer	P1319AM1	113	95			105			103			109				103	4	
T.A. Seeds	TA615-16ND	110	110		103	*	97	98	108	*	95	113	*	102		103	8	

Table 3. Multi-year, Multi-site Relative Ton per Acre (Yield), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²			
			2012	2011	2012	2011	2012	2011	2012	2011					
-----Relative Ton per Acre ³ -----															
Mid-Atlantic Seeds	MA8167VT3P	114	106	96		103		102	*		106	*	103	5	
Augusta	A5363VT3Pro	113	121			100		99		87			102	4	
Pioneer	P1745AM1	117	90	116	*	92	122	*	106	101	*	113	75	102	8
Mid-Atlantic Seeds	MAX8166VT3P	114	102										102	1	
Augusta	A6867GTCBLLA	117	119	77		91	103	96	108	*	101	116	*	101	8
Seed Consultants	SCS 11HQ42™	113	96			102		100		105			101	4	
Channel	218-73VT3P	118	101			102		104		96			101	4	
Hubner Seed	H5984VT3P	115	89			109		90		113			100	4	
Doeblers	RPM® 743HXR™	116	97			99	*	101		103			100	4	
T.A. Seeds	TA780-13V	116	115	101	*	89	101	91	101	*	88	105	99	8	
Augusta	A6166GT3000A	116	88	110	*	92	100	91	108	*	88	111	*	98	8
Mid-Atlantic Seeds	MAX8151VT3P	113	110	98			97		91			94	98	5	
Dyna-Gro	V5294HXTRNS	112	77	90		128	98	100	*	103	*	83	104	98	8
Seed Consultants	SC 11GT72™	117	79	108	*	101	94	102		95	98	100	97	8	
Southern States	SS 67-32 GENVT3P	117	90			102		101		91			96	4	
Augusta	A5362VT3Pro	112	108			97		100		79			96	4	
Channel	215-52VT3P	115	94			88		98		104			96	4	
Augusta	A5560VT3	110	62	124	*	95	94	94	109	*	82	100	95	8	
Garst	83Z99 3000GT Brand	115								95			95	1	
Augusta	A6867CBLL	117	70			98	95	101	102	*	115	*	84	95	7
Dyna-Gro	D56VP24	116	77			108	*	91		103			95	4	
Mid-Atlantic Seeds	MA8127VT3P	110	66	82			103		105	*		115	*	94	5
Doeblers	678GRV	113	84			98		100		93			94	4	
Pioneer	1498HR	114	79			103		108		85			94	4	
Doeblers	674GRQ	113	77	107	*	104	97	87	95	80	100		93	8	
Pioneer	P1376XR	113	109			89		80		95			93	4	
Hubner Seed	H6762RCSS	114	89			95		95		92			93	4	
Mid-Atlantic Seeds	MA8150VT3P	113	91										91	1	
Augusta	A7664VT3	114	44	98		95	96	92	97	*	82	110	*	89	8
Pioneer	P0912HR	109	64			81		102		107	*		88	4	

Table 3. Multi-year, Multi-site Relative Ton per Acre (Yield), continued												
Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2012	2011	2012	2011	2012	2011	2012	2011		
			-----Relative Ton per Acre ³ -----									
Augusta	A6969RR	119	62		96 *		82		101		85	4
T.A. Seeds	TA783-22DP	118	67		93		87		90		84	4
Mid-Atlantic Seeds	MAX8175VT3P	115	80								80	1
Chemgro	7747RVP	115	79								79	1
NK	N74R 3000GT Brand	114		73					83		78	2
Chemgro	7798G3	117	72								72	1
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								
			2012	2011	2012	2011	2012	2011	2012	2011										
-----Relative Milk per Ton ³ -----																				
Chemgro	7747RVP	115	107	*								107	1							
Chemgro	7798G3	117	106	*								106	1							
Mid-Atlantic Seeds	MAX8157VT3P	113	106	*								106	1							
Mid-Atlantic Seeds	MAX8151VT3P	113	101	*	103	*	104	*	110	*	103	*	104	5						
Pioneer	P2088AM1	120	104	*			98		110	*	103	*	104	4						
Dyna-Gro	V5294HXTRNS	112	106	*	101	*	104	*	100	*	102	*	105	*	106	*	103	*	104	8
Mid-Atlantic Seeds	MA8150VT3P	113	103	*									103	1						
Pioneer	P1319AM1	113	99				101	*	110	*	102	*	103	4						
Seed Consultants	SCS 11HR21™	111	100	*	106	*	104	*	103	*	108	*	103	100	101	*	103	8		
Dyna-Gro	D56VP24	116	97				105	*	108	*	102	*	103	102	*	103	4			
Hubner Seed	H6644RCSS	112	102	*			100		107	*	102	*	103	102	*	103	4			
T.A. Seeds	TA615-16ND	110	102	*	102	*	105	*	98		99		106	*	104	*	105	*	103	8
Augusta	A7664VT3	114	102	*	103	*	101	*	100	*	104	*	103	105	*	104	*	103	8	
T.A. Seeds	TA783-22DP	118	101	*			101	*			107	*	101	*	101	*	103	4		
Seed Consultants	SCS 1138AMX™	112	103	*			99		106	*	102	*	102	102	*	102	4			
Seed Consultants	SC 11AGT30™	112	104	*			98		107	*	100		100	102		102	4			
T.A. Seeds	TA780-13V	116	106	*	101	*	100		97		103	*	107	*	100		102	*	102	8
Hubner Seed	H5984VT3P	115	101	*			102	*			102	*	102	102	*	102	4			
Augusta	A6969RR	119	103	*			100				104	*	100	100		102	4			
Augusta	A6767GT3000	119	104	*			101	*			109	*	92	102		102	4			
Mid-Atlantic Seeds	MAX8166VT3P	114	102	*										102		102	1			
Seed Consultants	SCS 11HQ39™	112	96		103	*	102	*	102	*	106	*	99	106	*	98	102	8		
Pioneer	1498HR	114	98				102	*			105	*	101	101	*	101	4			
Channel	216-63VT3	116	102	*	102	*	97		100	*	98		107	*	103	*	100	*	101	8
Mid-Atlantic Seeds	MA7161HXT	114	101	*	105	*			99				102		99		101	5		
Mid-Atlantic Seeds	MA8167VT3P	114	98		103	*			103	*			99		103	*	101	5		
Augusta	A5462GT3000A	112	101	*	104	*	101	*	99		106	*	98	101	*	97	101	8		
Doeblers	RPM® 688AMX™	113	105	*			100				103	*	95	101		101	4			

Table 4. Multi-year, Multi-site Relative Milk per Ton (Quality), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²					
			2012	2011	2012	2011	2012	2011	2012	2011							
-----Relative Milk per Ton ³ -----																	
Augusta	A5362VT3Pro	112	103	*	103	*	93		105	*	101	4					
Masters Choice	MCT 6753 3000GT	117	102	*	100		100	*			101	3					
Seed Consultants	SC 11GT72™	117	102	*	102	*	101	*	99	95	105	*	100	101	8		
Channel	218-73VT3P	118	106	*	100		98		98		101	4					
Augusta	A6867GTCBLLA	117	100	*	101	*	97	102	*	96	104	100	104	*	101	8	
Augusta	A6166GT3000A	116	107	*	97	101	*	100	*	90	100	101	*	103	*	100	8
Mid-Atlantic Seeds	MA8127VT3P	110	101	*	100		101	*		101		97		100	5		
Mid-Atlantic Seeds	MAX8175VT3P	115	100	*								100		1			
Seed Consultants	SCS 11HQ70™	116	96		101	*	100	100	*	97	102	102	*	100	*	100	8
Augusta	A6867CBLL	117	102	*		97	102	*	98	101	99	99		100	7		
Garst	83Z99 3000GT Brand	115									99			99	1		
Dyna-Gro	D58VP30	118	103	*	104	*	98	100	*	91	97	101	*	100	*	99	8
Dyna-Gro	CX12117	117	104	*		96		101	*		97			99	4		
Doebler	RPM® 743HXR™	116	96			98		102	*		101	*		99	4		
Southern States	SS 67-32 GENVT3P	117	105	*		101	*	91			100			99	4		
Pioneer	P1745AM1	117	98		100		99	99		98	100	99	102	*	99	8	
Augusta	A5363VT3Pro	113	98			99		99			100			99	4		
Seed Consultants	SCS 11HQ42™	113	95			98		103	*		101	*		99	4		
NK	N74R 3000GT Brand	114			98						100			99	2		
Pioneer	P1184AM1	111	91		98		104	*	100	*	99	100	98	98	99	8	
Channel	214-14VT3P	114	97			103	*	96		98		98		98	4		
Southern States	SS 824 GENVT3P	118	97			98		104	*		94			98	4		
Seed Consultants	SCS 11HR63™	115	99		100		98	100	*	95	99	98	99	98	8		
Doebler	678GRV	113	98			102	*			99		95		98	4		
Seed Consultants	SCS 11HR31™	112	98			100				98		94		97	4		
Hubner Seed	H6762RCSS	114	89			105	*			91		103	*	97	4		
Doebler	674GRQ	113	92		97		100	97		91	100	102	*	97	8		
Pioneer	P1376XR	113	92			98				95		104	*	97	4		
Augusta	A5461GTCBLLA	111	91		100		97	97		89	100	100	101	*	97	8	
Channel	215-52VT3P	115	99			93				95		97		96	4		

Table 4. Multi-year, Multi-site Relative Milk per Ton (Quality), continued												
Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2012	2011	2012	2011	2012	2011	2012	2011		
			-----Relative Milk per Ton ³ -----									
Pioneer	P0912HR	109	96		96		95		98		96	4
Augusta	A5560VT3	110	89	96	98	98	97	98	94	96	96	8
Augusta	A5565VT3Pro	115	81		99		99		95		93	4
Chemgro	7312GT	113	93								93	1

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
			2012	2011	2012	2011	2012	2011	2012	2011		
-----Relative Milk per Acre ³ -----												
Mid-Atlantic Seeds	MAX8157VT3P	113	141								141	1
Channel	214-14VT3P	114	178 *		111		94		111 *		124	4
Seed Consultants	SCS 11HQ39™	112	140	114 *	101	108 *	131 *	103 *	133 *	103 *	117	8
Doeblers	RPM® 688AMX™	113	162 *		101		105		80		112	4
Dyna-Gro	CX12117	117	125		91		113		112 *		111	4
Seed Consultants	SCS 11HR63™	115	133	106 *	102	116 *	99	100 *	119 *	108 *	110	8
Augusta	A6767GT3000	119	122		104		113		102		110	4
Pioneer	P2088AM1	120	96		97		134 *		110		109	4
Seed Consultants	SCS 11HR21™	111	97	124 *	108	107 *	116	96	120 *	97	108	8
Seed Consultants	SCS 11HQ70™	116	119	115 *	103	112 *	97	102 *	114 *	99	108	8
Seed Consultants	SCS 11HR31™	112	104		109		104		112 *		107	4
Masters Choice	MCT 6753 3000GT	117	110		105		106				107	3
Pioneer	P1319AM1	113	95		106		114		113 *		107	4
Mid-Atlantic Seeds	MA7161HXT	114	123	122 *		93		101 *		96	107	5
Dyna-Gro	D58VP30	118	122	105 *	106	97	95	103 *	102	124 *	107	8
Seed Consultants	SC 11AGT30™	112	102		105		106		115 *		107	4
Hubner Seed	H6644RCSS	112	94		105		111		117 *		107	4
T.A. Seeds	TA615-16ND	110	114	104 *	101	98	107	101 *	118 *	107 *	106	8
Seed Consultants	SCS 1138AMX™	112	98		90		117		119 *		106	4
Southern States	SS 824 GENVT3P	118	112		104		116		91		106	4
Augusta	A5462GT3000A	112	118	109 *	112	102	93	104 *	84	121 *	106	8
Channel	216-63VT3	116	121	104 *	82	105 *	103	107 *	96	118 *	105	8
Chemgro	7312GT	113	104								104	1
Mid-Atlantic Seeds	MA8167VT3P	114	104	98		107 *		101 *		109 *	104	5
Mid-Atlantic Seeds	MAX8166VT3P	114	103								103	1
Augusta	A5461GTCBLLA	111	112	109 *	88	113 *	78	108 *	115 *	98	103	8
Mid-Atlantic Seeds	MAX8151VT3P	113	112	101 *		101		100 *		97	102	5
Hubner Seed	H5984VT3P	115	89		112		92		116 *		102	4

Table 5. Multi-year, Multi-site Relative Milk per Acre (Yield X Quality), continued

Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2012	2011	2012	2011	2012	2011	2012	2011		
-----Relative Milk per Acre ³ -----												
Pioneer	P1184AM1	111	111	115 *	110	101	103	92	79	103 *	102	8
Augusta	A5565VT3Pro	115	123		104		90		89		101	4
Augusta	A6867GTCBLLA	117	117	78	87	105 *	92	113 *	102	115 *	101	8
Channel	218-73VT3P	118	107		103		101		94		101	4
T.A. Seeds	TA780-13V	116	122	102 *	89	99	94	108 *	88	108 *	101	8
Pioneer	P1745AM1	117	88	115 *	91	121 *	103	101 *	111 *	77	101	8
Augusta	A5363VT3Pro	113	119		99		98		88		101	4
Dyna-Gro	V5294HXTRNS	112	82	91	132 *	99	103	108 *	88	103 *	101	8
Seed Consultants	SCS 11HQ42™	113	91		100		103		107		100	4
Doeblers	RPM® 743HXR™	116	93		97		103		105		99	4
Augusta	A6166GT3000A	116	94	107 *	92	100	81	108 *	89	118 *	99	8
Dyna-Gro	D56VP24	116	74		114		98		104		98	4
Seed Consultants	SC 11GT72™	117	81	110 *	102	94	97	100 *	98	99	98	8
Augusta	A5362VT3Pro	112	111		99		92		83		97	4
Pioneer	1498HR	114	79		105		112		86		95	4
Garst	83Z99 3000GT Brand	115							95		95	1
Mid-Atlantic Seeds	MA8150VT3P	113	95								95	1
Southern States	SS 67-32 GENVT3P	117	94		103		91		91		95	4
Augusta	A6867CBLL	117	71		95	97	97	103 *	115 *	83	94	7
Mid-Atlantic Seeds	MA8127VT3P	110	66	82		104 *		106 *		109 *	94	5
Channel	215-52VT3P	115	93		82		93		102		92	4
Doeblers	678GRV	113	81		100		99		89		92	4
Augusta	A7664VT3	114	45	102 *	96	96	95	99	86	114 *	92	8
Augusta	A5560VT3	110	56	119 *	94	93	91	107 *	76	98	92	8
Doeblers	674GRQ	113	71	105 *	104	95	79	95	81	97	91	8
Hubner Seed	H6762RCSS	114	80		99		86		96		90	4
Pioneer	P1376XR	113	99		87		77		98		90	4
T.A. Seeds	TA783-22DP	118	68		94		93		91		86	4
Augusta	A6969RR	119	63		95		85		101		86	4

Table 5. Multi-year, Multi-site Relative Milk per Acre (Yield X Quality), continued												
Brand	Hybrid	DTM per Co. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2012	2011	2012	2011	2012	2011	2012	2011		
			-----Relative Milk per Acre ³ -----									
Pioneer	P0912HR	109	62		78		97		105		85	4
Chemgro	7747RVP	115	84								84	1
Mid-Atlantic Seeds	MAX8175VT3P	115	81								81	1
NK	N74R 3000GT Brand	114		72					84		78	2
Chemgro	7798G3	117	77								77	1
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. 2012 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
Channel	214-14VT3P	114	39.69	35.28	12.35	7.09	24.11	40.54	58.36	0.66	68.13	3035	37480
Doeblers	RPM® 688AMX™	113	33.47	29.75	10.41	6.90	25.65	41.21	58.12	0.70	71.23	3285	34152
Mid-Atlantic Seeds	MAX8157VT3P	113	32.70	25.50	8.92	7.09	25.85	43.28	60.58	0.70	71.90	3316	29638
Seed Consultants	SCS 11HQ39™	112	37.49	28.00	9.80	6.85	26.41	42.36	56.79	0.66	67.62	3008	29479
Seed Consultants	SCS 11HR63™	115	35.34	25.81	9.03	7.07	27.33	43.94	58.71	0.67	68.88	3090	28060
Dyna-Gro	CX12117	117	34.32	23.19	8.12	7.25	25.27	44.70	62.51	0.69	71.35	3249	26378
Mid-Atlantic Seeds	MA7161HXT	114	34.62	23.30	8.15	6.58	27.62	45.16	59.71	0.68	69.92	3163	25857
Augusta	A5565VT3Pro	115	45.64	29.21	10.22	7.47	26.60	44.94	56.11	0.58	61.56	2525	25818
Augusta	A6767GT3000	119	35.15	22.46	7.86	7.18	25.20	42.82	60.74	0.69	71.16	3255	25676
T.A. Seeds	TA780-13V	116	34.23	22.06	7.72	6.70	24.17	41.79	60.96	0.70	72.03	3327	25643
Dyna-Gro	D58VP30	118	34.78	22.56	7.90	6.86	28.13	44.39	60.87	0.69	70.93	3233	25632
Channel	216-63VT3	116	34.29	22.72	7.95	7.24	24.09	42.22	59.66	0.69	70.43	3208	25429
Seed Consultants	SCS 11HQ70™	116	33.84	23.86	8.35	6.92	30.50	51.03	60.25	0.65	68.09	2998	25041
Augusta	A5363VT3Pro	113	36.43	23.28	8.15	6.98	25.98	44.62	60.79	0.67	69.11	3086	25022
Augusta	A5462GT3000A	112	34.74	22.42	7.85	6.90	26.11	44.06	58.60	0.68	69.83	3167	24899
Augusta	A6867GTCBLLA	117	34.50	22.76	7.97	7.49	26.48	44.88	58.28	0.68	69.49	3144	24632
T.A. Seeds	TA615-16ND	110	36.46	21.18	7.41	7.03	24.23	42.10	61.15	0.68	70.50	3199	23909
Southern States	SS 824 GENVT3P	118	36.69	22.13	7.75	6.86	27.72	47.09	60.93	0.66	68.77	3052	23683
Augusta	A5461GTCBLLA	111	39.27	23.43	8.20	7.51	25.80	44.11	60.13	0.63	66.16	2855	23545
Mid-Atlantic Seeds	MAX8151VT3P	113	32.93	21.19	7.42	7.00	26.23	44.88	61.51	0.68	70.27	3169	23513
Augusta	A5362VT3Pro	112	35.90	20.72	7.25	6.77	24.49	41.07	58.26	0.69	70.41	3220	23391
Pioneer	P1184AM1	111	39.66	23.36	8.18	7.37	25.94	42.34	57.13	0.64	65.90	2866	23337
Masters Choice	MCT 6753 3000GT	117	33.94	20.66	7.23	7.19	26.71	44.58	58.56	0.68	70.11	3190	23170
Channel	218-73VT3P	118	31.22	19.39	6.79	6.88	27.46	45.21	58.41	0.71	71.81	3331	22577
Mid-Atlantic Seeds	MA8167VT3P	114	36.09	20.28	7.10	7.06	26.02	43.88	59.33	0.67	68.92	3088	21922
Chemgro	7312GT	113	38.58	21.49	7.52	6.91	26.83	44.52	59.25	0.64	66.91	2925	21899
Seed Consultants	SCS 11HR31™	112	35.47	20.29	7.10	7.17	26.55	46.68	61.65	0.66	68.95	3060	21848
Mid-Atlantic Seeds	MAX8166VT3P	114	37.94	19.54	6.84	6.50	24.08	39.62	60.33	0.68	70.19	3184	21782
Seed Consultants	SC 11AGT30™	112	35.22	18.83	6.59	6.71	26.08	41.93	60.40	0.69	71.13	3258	21391
Pioneer	P1376XR	113	42.23	20.84	7.29	7.90	25.70	44.78	63.92	0.63	66.88	2871	20807

Table 6. 2012 Corn Silage Test Results at the Shenandoah Valley Site, continued

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 1138AMX™	112	31.76	18.19	6.37	7.23	26.33 *	47.04	62.10 *	0.69 *	71.03 *	3223 *	20550
Seed Consultants	SCS 11HR21™	111	34.69	18.55	6.49	7.21	27.66	46.22	61.17 *	0.68 *	69.98 *	3148 *	20363
Pioneer	P2088AM1	120	31.15	17.70	6.20	7.25	26.58	46.03	60.98 *	0.69 *	71.41 *	3268 *	20318
Pioneer	P1319AM1	113	35.92	18.18	6.36	6.97	25.61 *	43.58 *	58.71	0.67	69.17	3116	20087
Mid-Atlantic Seeds	MA8150VT3P	113	34.08	17.41	6.09	7.49 *	26.13 *	44.33	60.78 *	0.69 *	71.06 *	3243 *	19951
Augusta	A6166GT3000A	116	28.24	16.80	5.88	7.15	23.66 *	42.59 *	60.48	0.71 *	72.52 *	3368 *	19811
Southern States	SS 67-32 GENVT3P	117	33.62	17.32	6.06	6.89	26.43	44.60	61.71 *	0.70 *	71.89 *	3300 *	19798
Hubner Seed	H6644RCSS	112	35.05	17.73	6.21	6.91	25.22 *	43.26 *	59.15	0.68 *	70.21 *	3194 *	19753
Doebler's	RPM® 743HXR™	116	37.40	18.57	6.50	7.40 *	25.59 *	43.39 *	58.55	0.66	68.04	3024	19679
Channel	215-52VT3P	115	37.64	18.03	6.31	6.50	23.90 *	41.77 *	58.56	0.67	69.07	3109	19624
Seed Consultants	SCS 11HQ42™	113	38.36	18.34	6.42	7.57 *	25.66 *	43.41 *	60.90 *	0.65	67.81	2982	19175
Hubner Seed	H5984VT3P	115	31.11	17.08	5.98	6.86	29.03	47.40	57.13	0.68 *	69.50	3158 *	18829
Pioneer	P1745AM1	117	37.39	17.29	6.05	7.36 *	26.05 *	42.25 *	58.69	0.67	68.63	3072	18584
Chemgro	7747RVP	115	30.55	15.21	5.32	7.30	26.19 *	45.23	60.76 *	0.71 *	72.29 *	3343 *	17797
Dyna-Gro	V5294HXTRNS	112	28.06	14.85	5.20	6.89	25.46 *	45.28	60.23	0.71 *	72.13 *	3337 *	17250
Doebler's	678GRV	113	36.67	16.10	5.64	6.97	26.91	44.65	60.32	0.66	68.75	3062	17141
Seed Consultants	SC 11GT72™	117	33.94	15.26	5.34	7.15	27.00	44.42	59.18	0.69 *	70.34 *	3204 *	17092
Mid-Atlantic Seeds	MAX8175VT3P	115	34.94	15.27	5.35	7.15	25.67 *	45.14	61.62 *	0.67	69.71 *	3124	16999
Hubner Seed	H6762RCSS	114	38.59	17.04	5.97	7.41 *	26.05 *	45.17	56.86	0.63	65.03	2799	16768
Pioneer	1498HR	114	35.50	15.15	5.30	7.32	26.91	46.07	61.34 *	0.66	68.97	3067	16535
Chemgro	7798G3	117	32.66	13.87	4.86	7.02	25.80 *	43.79 *	60.57 *	0.70 *	71.93 *	3318 *	16122
Dyna-Gro	D56VP24	116	33.61	14.75	5.16	6.46	29.41	49.99	61.68 *	0.66	68.63	3027	15662
Augusta	A6867CBLL	117	33.12	13.39	4.69	7.65 *	25.53 *	45.37	61.04 *	0.68 *	70.42 *	3188 *	14971
Doebler's	674GRQ	113	39.65	14.84	5.20	6.77	25.19 *	42.43 *	58.17	0.64	66.40	2896	14920
T.A. Seeds	TA783-22DP	118	33.33	12.81	4.48	7.24	26.69	44.76	60.34	0.68 *	70.02 *	3165 *	14243
Mid-Atlantic Seeds	MA8127VT3P	110	37.30	12.59	4.41	6.54	24.14 *	42.80 *	58.28	0.68 *	69.73 *	3164 *	13946
Augusta	A6969RR	119	33.61	11.85	4.15	7.33 *	26.45	43.80 *	59.43	0.69 *	70.54 *	3217 *	13331
Pioneer	P0912HR	109	38.81	12.35	4.32	6.91	25.20 *	42.28 *	60.50	0.65	68.04	3005	13013

Table 6. 2012 Corn Silage Test Results at the Shenandoah Valley Site, continued													
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----			Mcal/lb	%	lb milk/ton	lb milk/acre	
Augusta	A5560VT3	110	48.78	11.95	4.18	6.89	24.11 *	40.29 *	61.70 *	0.62	65.49	2788	11694
Augusta	A7664VT3	114	32.38	8.49	2.97	7.19	27.45	44.50	59.19	0.69 *	70.34 *	3202 *	9507
	Site Average		35.51	19.37	6.78	7.07	26.09	44.11	59.87	0.67	69.46	3124	21152
	LSD (0.10)		4.50	6.53	2.28	0.57	2.76	4.41	3.40	0.04	2.86	232	7317
	C.V.		8.10	21.61	21.61	5.11	6.71	6.35	3.61	3.42	2.61	5	22

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 7. Two-Year Average Corn Silage Test Results (2011 & 2012) 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							
Seed Consultants	SCS 11HQ39™	112	34.49	23.09	*	8.08	*	7.39	28.82	49.31	62.26	*	0.69	*	72.63	*	3269	*	26224	*
Mid-Atlantic Seeds	MA7161HXT	116	33.44	22.57	*	7.90	*	6.98	29.23	49.35	63.50	*	0.69	*	73.09	*	3305	*	26027	*
Seed Consultants	EX SCS 1118™	119	33.24	22.77	*	7.97	*	6.86	30.51	50.65	61.86	*	0.68	*	71.48	*	3191	*	25412	*
Seed Consultants	SCS 11HQ70™	116	32.90	22.12	*	7.74	*	7.28	30.18	52.31	61.29	*	0.68	*	71.72	*	3209	*	24834	*
Augusta	A5462GT3000A	112	33.48	21.18	*	7.41	*	6.99	28.54	47.68	60.68	*	0.69	*	72.14	*	3276	*	24256	*
Pioneer	P1184AM1	111	36.16	22.79	*	7.98	*	7.48	29.72	50.51	60.88	*	0.67	*	70.54	*	3114	*	24192	*
Dyna-Gro	D58VP30	118	32.52	20.69	*	7.24	*	7.07	31.18	51.28	64.22	*	0.70	*	73.87	*	3338	*	24089	*
Seed Consultants	SCS 11HR21™	111	33.18	20.43	*	7.15	*	7.49	27.93	47.48	62.56	*	0.70	*	73.40	*	3352	*	23998	*
Pioneer	P1745HR	117	33.25	20.77	*	7.27	*	7.89	28.84	50.66	60.48	*	0.69	*	72.08	*	3239	*	23543	*
Augusta	A5461GTCBLLA	111	35.76	21.98	*	7.70	*	7.47	28.29	48.19	60.04	*	0.66	*	69.51	*	3075	*	23505	*
Channel	216-63VT3	116	31.86	20.17	*	7.06	*	7.39	29.11	50.39	62.91	*	0.70	*	73.43	*	3320	*	23377	*
T.A. Seeds	TA780-13V	116	31.58	19.88	*	6.96	*	7.51	28.20	50.42	62.69	*	0.70	*	73.47	*	3328	*	23166	*
T.A. Seeds	TA615-16ND	110	32.09	19.85	*	6.95	*	7.86	27.20	48.19	61.90	*	0.70	*	72.98	*	3314	*	22922	*
Mid-Atlantic Seeds	MA8151VT3P	115	30.72	19.47	*	6.82	*	7.70	28.73	50.20	63.00	*	0.69	*	73.02	*	3297	*	22431	*
Augusta	A6166GT3000A	116	30.12	19.00	*	6.65	*	7.20	29.03	50.35	60.18	*	0.69	*	72.19	*	3271	*	21686	*
Mid-Atlantic Seeds	MA8167VT3P	116	34.41	19.05	*	6.67	*	7.32	28.54	47.49	60.83	*	0.69	*	71.66	*	3235	*	21481	*
Augusta	A5560VT3	110	40.35	19.41	*	6.79	*	7.42	27.95	47.72	61.28	*	0.66	*	69.52	*	3043	*	20937	*
Seed Consultants	SC 11AGT72™	117	32.55	18.06	*	6.32	*	7.51	29.88	50.42	62.42	*	0.69	*	72.96	*	3297	*	20828	*
Doebler's	674GRQ	112	36.76	18.29	*	6.40	*	6.91	28.72	47.89	59.60	*	0.67	*	70.00	*	3104	*	20061	*
Augusta	A6867GTCBLLA	117	33.86	17.20	*	6.02	*	7.87	28.10	48.63	60.82	*	0.69	*	72.32	*	3273	*	19416	*
Dyna-Gro	V5294HXTRNS	112	29.72	16.17	*	5.66	*	7.49	30.12	51.43	62.25	*	0.70	*	73.53	*	3337	*	18820	*
Augusta	A7664VT3P	116	31.65	14.10	*	4.93	*	7.66	28.80	48.82	61.30	*	0.70	*	72.89	*	3318	*	16580	*
Mid-Atlantic Seeds	MA8127VT3P	118	33.92	14.43	*	5.05	*	6.96	28.01	48.19	58.85	*	0.69	*	71.63	*	3244	*	16445	*
Augusta	A6867CBLL	117	33.12	13.39	*	4.69	*	7.65	25.53	45.37	61.04	*	0.68	*	70.42	*	3188	*	14971	*
	Site Average		33.35	18.81		6.59		7.44	28.62	49.07	61.40		0.69		72.08		3248		21335	
	LSD (0.10)		2.11	4.57		1.60		0.44	1.75	2.82	3.10		0.02		2.11		139		5260	
	C.V.		6.40	23.42		23.42		5.97	6.11	5.76	5.08		2.93		2.95		4		24	

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 8. Three-Year Average Corn Silage Test Results (2010, 2011 & 2012) 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	A5462GT3	112	31.66	20.10	* 7.03	* 7.23	29.74	* 51.44	* 60.52	* 0.67	69.57	3127	* 22101	*		
Augusta	A5461GTCBLL	111	32.50	20.14	* 7.05	* 7.74	29.46	* 51.45	* 60.45	* 0.66	68.04	3014	21242	*		
T.A. Seeds	TA780-13V	116	29.12	18.95	* 6.63	* 7.91	30.06	* 53.57	* 62.13	* 0.67	69.92	* 3151	* 21014	*		
Channel	216-63VT3	116	30.43	18.32	* 6.41	* 7.75	29.30	* 51.73	* 61.11	* 0.68	70.99	* 3179	* 20429	*		
Seed Consultants	SCS 11HQ39™	113	30.63	18.52	* 6.48	* 8.19	* 30.71	* 53.91	* 62.22	* 0.67	69.29	3093	* 20392	*		
Mid-Atlantic Seeds	MA8167VT3Pro	116	31.95	18.61	* 6.51	* 7.49	31.18	53.49	* 60.86	* 0.66	68.39	3038	19806	*		
Dyna-Gro	V5294HXTRNS	112	28.41	16.73	5.86	8.19	* 29.98	* 52.92	* 61.91	* 0.68	70.55	* 3195	* 18706	*		
Augusta	A6867CBLL	117	30.66	16.83	* 5.89	* 8.41	* 29.74	* 54.07	* 61.11	* 0.66	66.86	2978	17457			
	Site Average		30.20	17.99	6.30	7.99	30.16	53.28	61.55	0.67	69.33	3105	19634			
	LSD (0.10)		1.77	3.34	1.17	0.49	1.59	2.51	2.11	0.01	1.41	104	3759			
	C.V.		7.31	22.74	22.74	7.87	6.71	6.04	4.38	2.51	2.59	4	23			

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

Table 9. 2012 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
Dyna-Gro	V5294HXTRNS	112	28.85	18.48 *	6.47 *	8.52 *	26.75 *	48.62 *	62.97 *	0.67 *	70.26 *	3148 *	20182 *
Dyna-Gro	D56VP24	116	21.79	15.60	5.46	8.34 *	28.43 *	50.40 *	63.47 *	0.68 *	70.67 *	3165 *	17318
Augusta	A5462GT3000A	112	25.23	16.05	5.62	7.54	30.32	53.36	61.58	0.66 *	68.81 *	3038 *	17060
Hubner Seed	H5984VT3P	115	24.71	15.75	5.51	8.02	27.94 *	50.72 *	59.48	0.67 *	69.00 *	3088 *	17006
Channel	214-14VT3P	114	24.70	15.48	5.42	8.06	28.43 *	49.43 *	60.17	0.67 *	69.56 *	3122 *	16971
Pioneer	P1184AM1	111	25.21	15.31	5.36	8.25	28.47 *	50.55 *	62.06	0.67 *	70.06 *	3139 *	16830
Seed Consultants	SCS 11HR31™	112	24.03	15.76	5.52	8.15	29.85	53.29	61.43	0.65	68.40	3008	16590
Seed Consultants	SCS 11HR21™	111	23.55	14.97	5.24	7.94	28.24 *	51.58 *	63.27 *	0.67 *	70.30 *	3140 *	16449
Dyna-Gro	D58VP30	118	23.18	15.55	5.44	8.04	30.17	53.48	61.43	0.65	67.87	2966	16191
Pioneer	P1319AM1	113	25.32	15.18	5.31	8.06	29.63	51.81 *	60.89	0.66 *	68.80 *	3052 *	16173
Masters Choice	MCT 6753 3000GT	117	24.59	15.15	5.30	8.01	29.98	54.04	62.63 *	0.65	68.77 *	3020 *	16032
Seed Consultants	SC 11AGT30™	112	22.92	15.40	5.39	7.76	31.49	54.95	62.13 *	0.65	67.90	2956	15953
Hubner Seed	H6644RCSS	112	24.34	15.10	5.29	7.96	29.95	52.60	60.07	0.66 *	68.24	3015	15950
Pioneer	1498HR	114	23.35	14.80	5.18	8.00	29.48	51.16 *	61.26	0.67 *	69.24 *	3081 *	15949
Augusta	A6767GT3000	119	23.01	14.87	5.20	7.62	29.68	53.45	63.22 *	0.66 *	69.27 *	3053 *	15887
Augusta	A5565VT3Pro	115	23.67	15.05	5.27	8.21	29.12	51.56 *	58.71	0.65	67.80	3000	15885
Doebler's	674GRQ	113	24.61	15.03	5.26	7.74	30.37	53.33	61.24	0.65	68.31	3004	15841
Southern States	SS 824 GENVT3P	118	23.25	15.12	5.29	7.86	30.88	54.14	61.42	0.65	67.96	2970	15815
Seed Consultants	SCS 11HQ70™	116	23.61	15.01	5.25	7.83	29.92	54.69	62.54 *	0.65	68.56	3005	15742
Southern States	SS 67-32 GENVT3P	117	23.26	14.72	5.15	7.67	30.56	53.37	62.28 *	0.66 *	68.95 *	3041 *	15659
Channel	218-73VT3P	118	23.82	14.67	5.13	8.13	28.91	52.12 *	59.35	0.66 *	68.22	3025 *	15638
Seed Consultants	SCS 11HR63™	115	23.16	14.99	5.25	7.70	30.57	54.95	61.13	0.65	67.79	2961	15581
Seed Consultants	SC 11GT72™	117	23.97	14.56	5.10	8.41 *	28.89	51.97 *	61.60	0.66 *	68.93 *	3051 *	15544
T.A. Seeds	TA615-16ND	110	22.53	13.92	4.87	8.15	28.00 *	51.54 *	63.60 *	0.67 *	70.56 *	3156 *	15429
Seed Consultants	SCS 11HQ39™	112	22.85	14.26	4.99	8.16	28.06 *	51.36 *	60.82	0.66 *	69.07 *	3073 *	15354
Doebler's	RPM® 688AMX™	113	23.26	14.48	5.07	8.32	28.68 *	54.19	63.10 *	0.65	68.92 *	3023 *	15350
Doebler's	678GRV	113	24.07	14.12	4.94	8.05	29.76	52.36	62.48 *	0.66 *	69.41 *	3074 *	15231
Seed Consultants	SCS 11HQ42™	113	23.78	14.69	5.14	7.86	29.73	54.12	61.62	0.65	67.86	2962	15229
Augusta	A5362VT3Pro	112	24.46	13.96	4.89	7.69	29.59	51.74 *	61.94	0.67 *	69.60 *	3101 *	15157
Hubner Seed	H6762RCSS	114	21.93	13.73	4.81	8.14	27.87 *	48.58 *	60.21	0.68 *	69.95 *	3156 *	15141

Table 9. 2012 Corn Silage Test Results at the Northern Piedmont Site, continued

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Augusta	A5363VT3Pro	113	22.94	14.46	5.06	8.28	29.50	52.03 *	59.23	0.65	67.56	2973	15026
Pioneer	P2088AM1	120	19.95	14.21	4.97	8.31	29.28	54.59	61.35	0.65	67.85	2963	14741
Doeblers	RPM® 743HXR™	116	20.99	14.23	4.98	8.40 *	30.44	54.55	62.54 *	0.64	67.92	2952	14726
Augusta	A7664VT3	114	21.43	13.69	4.79	8.38 *	28.61 *	51.17 *	60.60	0.66 *	68.83 *	3057 *	14645
Augusta	A6969RR	119	20.28	13.76	4.82	8.20	29.38	53.09	61.51	0.66 *	68.54	3020 *	14529
Augusta	A6867CBLL	117	24.41	14.16	4.96	8.31	29.82	54.51	61.29	0.64	67.30	2920	14489
T.A. Seeds	TA783-22DP	118	21.74	13.38	4.68	8.05	29.45	52.40	62.22 *	0.66 *	69.07 *	3052 *	14312
Augusta	A5560VT3	110	23.81	13.76	4.82	8.33 *	29.81	53.63	60.50	0.65	67.72	2965	14283
Augusta	A6166GT3000A	116	21.48	13.23	4.63	8.06	28.34 *	52.37	61.20	0.66 *	68.77 *	3044 *	14039
Pioneer	P1745AM1	117	22.25	13.22	4.63	7.21	31.54	55.81	64.49 *	0.65	68.95 *	3002	13922
Dyna-Gro	CX12117	117	22.32	13.75	4.81	7.40	32.22	56.19	61.41	0.64	67.06	2896	13917
Seed Consultants	SCS 1138AMX™	112	21.22	13.24	4.63	7.84	31.14	55.02	62.67 *	0.65	68.28	2977	13747
T.A. Seeds	TA780-13V	116	21.56	12.85	4.50	8.00	30.10	53.65	64.08 *	0.65	69.10 *	3025 *	13571
Augusta	A5461GTCBLLA	111	22.34	13.06	4.57	7.89	30.60	53.82	59.88	0.64	67.01	2917	13371
Augusta	A6867GTCBLLA	117	23.51	13.05	4.57	8.29	30.78	55.01	61.68	0.64	67.37	2919	13330
Pioneer	P1376XR	113	19.80	12.79	4.48	8.81 *	30.06	53.56	61.79	0.64	67.77	2950	13247
Channel	216-63VT3	116	20.83	12.24	4.28	7.76	31.57	56.36	60.51	0.64	67.22	2921	12548
Channel	215-52VT3P	115	23.39	12.61	4.41	8.04	31.77	56.73	59.01	0.62	65.45	2803	12428
Pioneer	P0912HR	109	20.86	11.66	4.08	8.04	30.85	54.30	60.16	0.64	66.65	2885	11850
	Site Average		23.10	14.39	5.04	8.04	29.69	53.03	61.51	0.65	68.52	3017	15222
	LSD (0.10)		2.36	2.13	0.75	0.55	2.08	3.61	2.42	0.02	1.97	148	2608
	C.V.		8.66	12.56	12.56	5.77	5.93	5.78	3.34	2.90	2.44	4	15

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 10. Two-Year Average Corn Silage Test Results (2011 & 2012) 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
Dyna-Gro	V5294HXTRNS	112	30.92	19.66 *	6.88 *	8.22 *	27.74 *	48.01 *	62.18 *	0.69 *	72.06 *	3265 *	22447 *
Seed Consultants	EX SCS 1118™	119	27.03	19.34 *	6.77 *	7.55	30.06	52.12	61.32	0.67	70.69	3158	21734 *
Seed Consultants	SCS 11HQ70™	116	26.50	18.91 *	6.62 *	7.59	30.17	52.74	62.23 *	0.68 *	71.25 *	3188 *	21364 *
Pioneer	P1745HR	117	27.86	18.90 *	6.61 *	7.17	30.49	51.80	63.60 *	0.67	71.13 *	3162 *	21330 *
Augusta	A5462GT3000A	112	28.37	18.64 *	6.52 *	7.39	30.41	52.04	62.21 *	0.68 *	71.36 *	3196 *	21031 *
Pioneer	P1184AM1	111	29.34	18.08 *	6.33 *	7.96 *	28.80 *	49.44 *	62.85 *	0.69 *	72.13 *	3256 *	20791 *
Augusta	A5461GTCBLLA	111	28.67	18.23 *	6.38 *	7.63	29.70	49.91 *	60.78	0.66	69.61	3086	20157
Dyna-Gro	D58VP30	118	27.24	17.81	6.24	7.72	30.87	52.79	62.94 *	0.67	71.23 *	3169 *	19981
T.A. Seeds	TA615-16ND	110	27.29	17.08	5.98	7.96 *	28.27 *	50.23 *	63.71 *	0.69 *	72.18 *	3245 *	19607
Seed Consultants	SCS 11HQ39™	112	26.89	17.93 *	6.27 *	7.95 *	28.32 *	49.58 *	61.71	0.68 *	71.28 *	3215 *	19526
Doebler's	674GRQ	112	28.44	17.57	6.15	7.39	31.70	54.46	62.90 *	0.67	71.08 *	3143	19504
Seed Consultants	SC 11AGT72™	117	28.30	17.06	5.97	8.29 *	28.64 *	51.47	63.28 *	0.68 *	71.48 *	3189 *	19230
Augusta	A6867GTCBLLA	117	27.98	16.97	5.94	7.90	30.20	51.83	63.10 *	0.67	71.03 *	3161	19213
Augusta	A6166GT3000A	116	26.59	16.86	5.90	7.78	29.33 *	51.84	62.30 *	0.68 *	71.47 *	3202 *	19108
Augusta	A7664VT3P	116	26.53	16.71	5.85	8.07 *	28.92 *	50.48 *	61.52	0.68 *	71.41 *	3213 *	19016
Augusta	A6867CBLL	117	28.26	16.87	5.90	8.00 *	29.89	52.24	62.83 *	0.67	71.03 *	3160	18965
Channel	216-63VT3	116	26.91	16.69	5.84	7.53	30.46	51.52	61.29	0.67	70.40	3141	18812
Seed Consultants	SCS 11HR21™	111	27.46	17.70	6.20	7.85	28.45 *	50.34 *	63.40 *	0.68 *	71.45 *	3217 *	18694
T.A. Seeds	TA780-13V	116	27.19	16.74	5.86	7.74	30.07	52.19	63.58 *	0.67	71.12 *	3157	18676
Augusta	A5560VT3	110	28.81	16.61	5.81	7.93 *	29.77	51.83	62.30 *	0.67	70.63	3134	18469
	Site Average		27.83	17.72	6.20	7.78	29.61	51.34	62.50	0.68	71.20	3183	19883
	LSD (0.10)		2.09	1.82	0.64	0.38	1.81	3.22	1.81	0.02	1.37	103	2215
	C.V.		8.41	11.54	11.54	5.49	6.77	6.96	3.22	2.58	2.14	4	12

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 11. Three-Year Average Corn Silage Test Results (2010, 2011 & 2012) 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
Dyna-Gro	V5294HXTRNS	112	30.78	17.51 *	6.13 *	7.89 *	29.14 *	51.58 *	62.43 *	0.67 *	69.57 *	3142 *	19415 *
Seed Consultants	SCS 11HQ39™	113	29.31	17.87 *	6.25 *	7.56 *	28.76 *	51.54 *	62.41 *	0.67 *	69.57 *	3136 *	19183 *
Augusta	A5462GT3	112	31.33	17.24 *	6.04 *	7.08	30.41	53.44 *	62.40 *	0.67 *	69.69 *	3066 *	18787 *
T.A. Seeds	TA780-13V	116	29.24	16.80 *	5.88 *	7.34	30.84	54.12	63.41 *	0.66 *	69.20 *	3033	17946 *
Augusta	A5461GTCBLL	111	30.61	16.58 *	5.80 *	7.19	30.61	53.41 *	61.50	0.66	67.90	2992	17763
Channel	216-63VT3	116	29.73	15.51	5.43	6.97	30.96	54.12	61.24	0.66 *	68.47	3003	16680
Augusta	A6867CBLL	117	28.62	14.18	4.96	7.80 *	30.79	54.84	63.07 *	0.66 *	68.78 *	3058 *	15556
	Site Average		29.81	16.36	5.73	7.32	30.39	53.58	62.34	0.66	68.93	3048	17652
	LSD (0.10)		2.17	1.47	0.52	0.36	1.58	2.49	1.48	0.01	1.10	91	1611
	C.V.		9.90	12.21	12.21	6.65	7.09	6.32	3.23	2.49	2.16	4	12

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 12. 2012 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
Pioneer	P2088AM1	120	25.93	7.49	2.62	9.73	33.17	52.78	57.37	0.62	64.35	2739	7139
Seed Consultants	SCS 11HQ39™	112	25.69	7.60	2.66	9.64	33.22	53.94	56.56	0.60	62.78	2624	6978
Seed Consultants	SCS 1138AMX™	112	27.30	6.77	2.37	10.08	34.26	55.82	56.44	0.60	62.94	2639	6250
Seed Consultants	SCS 11HR21™	111	26.45	6.57	2.30	10.06	32.09	52.97	56.07	0.61	63.57	2694	6187
Southern States	SS 824 GENVT3P	118	25.96	6.86	2.40	9.65	36.27	55.26	56.37	0.59	62.17	2576	6183
Pioneer	P1319AM1	113	28.51	6.33	2.21	10.02	33.85	54.79	58.92	0.61	64.68	2742	6073
Dyna-Gro	CX12117	117	22.94	6.90	2.42	10.52	33.55	55.86	53.95	0.58	60.75	2499	6023
Augusta	A6767GT3000	119	25.94	6.31	2.21	10.40	33.48	53.90	56.23	0.61	63.90	2719	6003
Pioneer	1498HR	114	26.54	6.57	2.30	10.32	31.77	53.10	53.22	0.60	61.96	2608	5949
Hubner Seed	H6644RCSS	112	26.41	6.34	2.22	9.98	34.33	55.44	55.75	0.61	63.17	2667	5905
T.A. Seeds	TA615-16ND	110	21.79	6.58	2.30	11.44	33.05	56.55	53.29	0.58	60.29	2472	5705
Masters Choice	MCT 6753 3000GT	117	28.19	6.51	2.28	10.30	32.98	54.82	52.35	0.58	60.34	2487	5656
Seed Consultants	SC 11AGT30™	112	25.93	6.11	2.14	9.82	33.30	53.02	55.45	0.61	63.00	2657	5622
Doebler's	RPM® 688AMX™	113	27.55	6.26	2.19	10.25	33.96	56.85	56.39	0.59	61.98	2561	5602
Seed Consultants	SCS 11HR31™	112	26.11	6.54	2.29	11.08	31.36	52.13	56.79	0.57	60.50	2441	5556
Pioneer	P1184AM1	111	26.50	6.35	2.22	10.71	32.69	54.37	53.23	0.58	60.24	2466	5499
Pioneer	P1745AM1	117	28.18	6.49	2.27	10.28	34.79	58.34	53.12	0.57	59.65	2425	5484
Doebler's	RPM® 743HXR™	116	25.90	6.18	2.16	10.73	33.21	55.08	57.50	0.58	61.67	2525	5475
Channel	216-63VT3	116	26.49	6.41	2.24	10.27	34.33	56.03	51.35	0.58	59.54	2441	5474
Dyna-Gro	V5294HXTRNS	112	21.05	6.13	2.15	11.54	32.33	55.64	53.47	0.59	61.06	2530	5456
Seed Consultants	SCS 11HQ42™	113	27.97	6.11	2.14	10.06	33.97	57.77	56.21	0.59	61.77	2548	5454
Channel	218-73VT3P	118	26.89	6.36	2.22	10.02	35.05	57.42	52.86	0.57	59.75	2436	5387
Seed Consultants	SCS 11HR63™	115	27.14	6.43	2.25	10.48	34.31	57.93	50.52	0.56	58.25	2354	5261
Doebler's	678GRV	113	29.62	6.11	2.14	9.26	35.53	57.61	52.65	0.58	59.93	2456	5252
Dyna-Gro	D56VP24	116	21.33	5.57	1.95	10.89	33.31	54.89	59.19	0.61	64.08	2691	5232
Augusta	A5363VT3Pro	113	25.34	6.04	2.11	10.77	33.69	55.44	52.07	0.58	60.07	2471	5209
Augusta	A6867CBLL	117	27.40	6.18	2.16	11.11	33.97	56.71	53.59	0.57	59.75	2432	5179
Seed Consultants	SCS 11HQ70™	116	27.84	6.10	2.13	10.05	33.78	55.94	51.13	0.57	59.09	2410	5174
Pioneer	P0912HR	109	30.11	6.23	2.18	10.36	35.14	57.70	51.31	0.56	58.29	2348	5167
Seed Consultants	SC 11GT72™	117	26.45	6.21	2.17	10.50	33.95	55.65	50.65	0.57	58.59	2371	5152

Table 12. 2012 Corn Silage Test Results at the Southern Piedmont Site, continued													
Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Augusta	A7664VT3	114	22.49	5.63	1.97	11.39 *	34.76	55.45	57.14 *	0.59 *	62.29 *	2575 *	5068
Dyna-Gro	D58VP30	118	25.08	6.38	2.23	10.55	34.97	57.11	50.87	0.55	57.27	2266	5062
Channel	214-14VT3P	114	26.33	5.84	2.05	10.32	33.81	56.78	53.33	0.57	59.92	2446	5018
T.A. Seeds	TA780-13V	116	23.77	5.58	1.95	11.49 *	34.20	55.41	56.55 *	0.59 *	61.90 *	2556 *	4974
Augusta	A5462GT3000A	112	27.59	5.39	1.89	9.84	33.81	54.08 *	55.26 *	0.60 *	62.63 *	2630 *	4971
Channel	215-52VT3P	115	27.76	5.99	2.10	9.96	32.98 *	56.16	50.30	0.57	58.51	2372	4944
T.A. Seeds	TA783-22DP	118	22.12	5.31	1.86	11.14 *	34.04	53.04 *	58.41 *	0.60 *	63.51 *	2657 *	4936
Augusta	A5362VT3Pro	112	25.94	6.10	2.14	10.21	34.31	56.87	50.95	0.55	57.71	2301	4912
Augusta	A6867GTCBLLA	117	26.92	5.87	2.06	10.49	33.60	55.71	52.19	0.57	58.88	2378	4904
Hubner Seed	H5984VT3P	115	27.98	5.51	1.93	10.30	34.30	56.42	55.77 *	0.59 *	61.46 *	2530 *	4880
Augusta	A5560VT3	110	27.47	5.77	2.02	10.90 *	33.73	55.92	53.59	0.57	59.57	2409	4851
Southern States	SS 67-32 GENVT3P	117	24.52	6.15	2.15	10.41	37.26	57.93	52.77	0.55	57.58	2266	4851
Augusta	A5565VT3Pro	115	27.12	5.61	1.96	10.90 *	34.73	57.38	54.01	0.57	60.11	2448	4803
Hubner Seed	H6762RCSS	114	25.60	5.79	2.03	10.04	34.13	55.23 *	48.78	0.55	56.92	2263	4596
Augusta	A6969RR	119	22.38	5.00	1.75	10.65	34.76	54.81 *	56.12 *	0.59 *	62.32 *	2594 *	4529
Augusta	A6166GT3000A	116	24.92	5.54	1.94	10.73	36.00	58.75	49.69	0.55	56.49	2230	4318
Doebler's	674GRQ	113	27.38	5.34	1.87	10.23	33.43	57.64	50.38	0.55	57.09	2262	4217
Augusta	A5461GTCBLLA	111	26.54	5.31	1.86	11.18 *	33.41	57.40	49.43	0.54	56.40	2222	4125
Pioneer	P1376XR	113	24.04	4.92	1.72	11.56 *	33.91	58.92	54.14	0.56	59.12	2369	4111
	Site Average		26.03	6.11	2.14	10.46	33.94	55.81	53.95	0.58	60.57	2486	5322
	LSD (0.10)		1.89	0.85	0.30	0.76	1.90	3.14	4.51	0.04	4.06	266	882
	C.V.		6.15	11.68	11.68	6.12	4.74	4.75	7.07	5.48	5.67	9	14

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 11HQ39™	112	31.47	11.78	4.12 *	8.98	32.70 *	53.59 *	58.80 *	0.63 *	66.83 *	2867 *	12170 *
Augusta	A6867CBLL	117	33.27	11.64	4.08 *	9.74	33.19 *	54.55	58.57 *	0.63 *	66.58 *	2845 *	12143 *
Dyna-Gro	V5294HXTRNS	112	27.64	11.02	3.86 *	10.55 *	31.43 *	52.86 *	57.04 *	0.64 *	66.99 *	2912 *	11903 *
T.A. Seeds	TA615-16ND	110	26.42	10.62	3.72	10.41 *	31.99 *	54.36	57.07 *	0.64 *	66.79 *	2894 *	11371 *
Augusta	A5462GT3000A	112	34.16	10.88	3.81 *	8.99	32.37 *	51.17 *	57.88 *	0.63 *	66.27 *	2846 *	11283 *
Dyna-Gro	D58VP30	118	31.72	11.46	4.01 *	9.08	34.50	56.66	56.55 *	0.60	63.76	2646	11281 *
Pioneer	P1745HR	117	33.88	11.04	3.86 *	9.42	32.46 *	54.75	57.89 *	0.62	65.39	2769	11243 *
Seed Consultants	SCS 11HQ70™	116	31.96	10.80	3.78 *	9.29	33.47	55.27	56.56 *	0.62	65.54 *	2793 *	11223 *
Seed Consultants	SCS 11HR21™	111	30.15	10.48	3.67	9.43	32.65 *	53.56 *	58.73 *	0.65 *	67.98 *	2959 *	11198 *
Seed Consultants	EX SCS 1118™	119	31.70	11.03	3.86 *	9.47	33.75	57.26	56.16	0.61	64.63	2723	11100 *
Seed Consultants	SC 11AGT72™	117	30.32	10.47	3.66	9.71	31.96 *	53.32 *	55.88	0.63 *	65.72 *	2825 *	11061
Augusta	A6867GTCBLLA	117	30.28	10.52	3.68	9.76	32.03 *	53.22 *	55.39	0.62	64.55	2751	10980
Channel	216-63VT3	116	30.46	10.35	3.62	9.31	31.67 *	52.49 *	55.87	0.63 *	65.51 *	2823 *	10916
T.A. Seeds	TA780-13V	116	27.78	9.88	3.46	10.25 *	33.30	54.18 *	59.04 *	0.63 *	67.04 *	2890 *	10651
Pioneer	P1184AM1	111	31.86	10.33	3.62	9.77	31.56 *	52.68 *	56.38 *	0.62	65.44 *	2795 *	10551
Augusta	A5560VT3	110	33.04	10.53	3.69	9.84	32.34 *	54.52	57.79 *	0.60	64.34	2688	10532
Augusta	A6166GT3000A	116	30.83	10.33	3.62	9.65	33.59	53.97 *	53.72	0.60	62.40	2608	10278
Augusta	A5461GTCBLLA	111	31.86	10.20	3.57	10.04	32.10 *	53.37 *	54.19	0.60	62.61	2614	10218
Doebler's	674GRQ	112	32.81	10.01	3.50	9.32	32.32 *	54.53	56.04	0.61	64.14	2697	10137
Augusta	A7664VT3P	116	28.62	9.62	3.37	10.38 *	33.70	53.63 *	59.13 *	0.63 *	66.53 *	2849 *	10095
	Site Average		31.01	10.65	3.73	9.67	32.65	54.00	56.93	0.62	65.45	2790	11017
	LSD (0.10)		1.90	0.98	0.34	0.48	1.78	3.05	2.76	0.02	2.54	172	1103
	C.V.		7.13	10.65	10.65	5.77	6.34	6.56	5.64	4.64	4.52	7	12

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 14. Three-Year Average Corn Silage Test Results (2010, 2011 & 2012) 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									
Dyna-Gro	V5294HXTRNS	112	27.42	11.66	*	4.08	*	9.47	*	32.65	*	55.31	*	58.26	*	0.64	*	65.84	*	2838	*	12027	*
Augusta	A6867CBLL	117	32.11	11.80	*	4.13	*	9.23	*	34.09	*	57.32	*	58.80	*	0.63	*	65.50	*	2787	*	11892	*
Seed Consultants	SCS 11HQ39™	113	30.62	11.67	*	4.08	*	8.29	*	33.87	*	56.78	*	59.14	*	0.63	*	65.55	*	2794	*	11651	*
Augusta	A5462GT3	112	32.34	11.13	*	3.90	*	8.41	*	34.43	*	56.88	*	58.40	*	0.62	*	64.70	*	2745	*	10941	*
Channel	216-63VT3	116	30.18	10.82	*	3.79	*	8.75	*	33.47	*	56.48	*	55.98	*	0.62	*	64.54	*	2719	*	10742	*
Augusta	A5461GTCBLL	111	31.50	11.06	*	3.87	*	9.03	*	33.56	*	57.28	*	56.02	*	0.61	*	62.76	*	2570	*	10489	*
	Site Average		30.69	11.36		3.98		8.86		33.68		56.67		57.77		0.62		64.81		2742		11290	
	LSD (0.10)		1.68	1.02		0.36		0.43		1.52		2.52		2.38		0.02		2.05		139		989	
	C.V.		7.55	12.25		12.28		6.70		6.22		6.12		5.67		4.12		4.35		7		12	

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 15. 2012 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 Consultants	SCS 11HQ39™	112	32.92	29.40	* 10.29	* 7.72	28.43	44.29	57.05	0.69	* 69.99	* 3199	* 32938	
Seed Consultants	SCS 11HR21™	111	37.06	28.02	* 9.81	* 7.56	27.63	43.51	55.37	0.66	67.56	3019	29538	
Seed Consultants	SCS 1138AMX™	112	36.02	27.03	* 9.46	* 7.74	26.52	* 43.03	* 55.60	0.67	* 68.47	* 3089	* 29431	
Seed Consultants	SCS 11HR63™	115	36.76	28.29	* 9.90	* 7.61	28.23	45.21	55.74	0.65	66.87	2958	29353	
T.A. Seeds	TA615-16ND	110	35.04	26.41	* 9.24	* 8.39	* 26.22	* 42.49	* 55.35	0.68	* 69.09	* 3141	* 29030	
Hubner Seed	H6644RCSS	112	34.49	26.78	* 9.37	* 7.75	27.46	43.51	53.43	0.67	* 68.22	* 3091	* 28874	
Hubner Seed	H5984VT3P	115	36.26	26.29	* 9.20	* 7.56	26.29	* 42.62	* 54.19	0.67	* 68.41	* 3099	* 28532	
Augusta	A5461GTCBLLA	111	36.95	26.98	* 9.44	* 7.46	27.41	42.89	* 55.45	0.66	67.56	3017	28517	
Seed Consultants	SC 11AGT30™	112	36.52	26.73	* 9.36	* 7.28	27.98	43.30	* 55.17	0.66	67.71	3033	28389	
Augusta	A6867CBLL	117	35.73	26.89	* 9.41	* 8.02	27.79	43.92	55.17	0.66	67.34	3003	28320	
Seed Consultants	SCS 11HQ70™	116	35.82	26.04	* 9.11	* 7.67	27.48	43.05	* 55.65	0.67	* 68.35	* 3079	* 28080	
Pioneer	P1319AM1	113	35.80	25.45	* 8.91	* 8.21	* 26.43	* 43.45	* 57.50	* 0.67	* 68.83	* 3099	* 27792	
Dyna-Gro	CX12117	117	37.36	26.84	* 9.39	* 7.82	27.47	44.23	55.28	0.65	66.69	2949	27745	
Seed Consultants	SCS 11HR31™	112	36.91	27.84	* 9.74	* 7.93	27.63	45.47	53.72	0.64	65.27	2850	27623	
Channel	214-14VT3P	114	37.47	26.73	* 9.36	* 7.75	25.12	* 41.49	* 51.65	0.66	66.36	2954	27490	
Pioneer	P1745AM1	117	36.89	26.28	* 9.20	* 7.72	27.46	43.44	54.69	0.66	67.07	2986	27369	
Pioneer	P2088AM1	120	34.81	25.11	* 8.79	* 7.68	26.91	44.27	55.95	0.67	* 68.73	* 3107	* 27264	
Seed Consultants	SCS 11HQ42™	113	34.95	24.58	* 8.60	* 7.49	29.15	46.02	57.17	0.66	68.08	3042	26466	
Doebler's	RPM® 743HXR™	116	36.21	24.06	8.42	7.70	27.05	43.08	* 55.04	0.67	* 68.03	3059	25825	
Pioneer	P0912HR	109	33.41	24.88	* 8.71	* 7.82	30.50	49.14	56.41	0.65	67.07	2966	25819	
Dyna-Gro	D56VP24	116	34.90	23.92	8.37	7.63	27.87	44.91	56.23	0.67	* 68.46	* 3083	* 25710	
Dyna-Gro	D58VP30	118	34.88	23.53	8.24	7.43	29.05	44.50	55.33	0.67	* 68.19	3070	25274	
Augusta	A6767GT3000	119	40.40	25.71	* 9.00	* 7.33	27.31	43.67	55.31	0.63	64.75	2791	25164	
Augusta	A6867GTCBLLA	117	37.04	23.65	8.28	8.03	27.21	43.27	* 57.82	* 0.66	68.09	3037	25144	
Channel	215-52VT3P	115	35.70	24.27	8.49	7.59	27.73	45.01	54.28	0.65	66.57	2949	25099	
Augusta	A6969RR	119	36.89	23.60	8.26	7.65	27.87	43.33	56.51	0.66	67.76	3022	24906	
Pioneer	P1376XR	113	34.97	22.03	7.71	8.51	* 27.10	45.77	59.47	* 0.68	* 69.56	* 3136	* 24212	
Seed Consultants	SC 11GT72™	117	36.10	22.78	7.97	8.10	* 27.18	44.39	56.26	0.66	67.78	3028	24121	
Channel	216-63VT3	116	35.15	21.93	7.68	7.54	26.03	* 42.32	* 52.50	0.68	* 68.34	* 3108	* 23789	
Hubner Seed	H6762RCSS	114	36.11	21.53	7.54	7.68	25.95	* 40.89	* 54.06	0.68	* 68.83	* 3131	* 23724	

Table 15. 2012 Corn Silage Test Results at the Southwestern Virginia Site, continued

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Garst	83Z99 3000GT Brand	115	36.88	22.20	7.77	8.04	26.54 *	42.87 *	55.44	0.66	67.48	3010	23417
Channel	218-73VT3P	118	38.49	22.29	7.80	7.61	25.85 *	42.49 *	54.01	0.65	66.64	2956	23092
T.A. Seeds	TA783-22DP	118	34.09	20.98	7.34	7.70	28.28	45.59	55.37	0.67 *	68.20 *	3070 *	22407
Southern States	SS 824 GENVT3P	118	38.95	22.56	7.90	7.09	27.90	43.85	53.18	0.64	65.27	2855	22407
Southern States	SS 67-32 GENVT3P	117	36.16	21.24	7.43	7.37	27.44	43.28 *	53.82	0.66	67.38	3019	22391
Doebler	678GRV	113	38.89	21.60	7.56	6.79	29.01	45.40	56.70	0.64	65.88	2870	21924
Augusta	A6166GT3000A	116	34.72	20.42	7.15	7.28	28.88	44.87	55.44	0.67 *	68.20 *	3069 *	21886
Augusta	A5565VT3Pro	115	38.63	21.70	7.60	7.68	25.93 *	42.77 *	52.25	0.64	65.34	2867	21873
Augusta	A5363VT3Pro	113	35.04	20.39	7.14	7.41	28.04	44.84	54.24	0.66	67.53	3030	21714
T.A. Seeds	TA780-13V	116	36.78	20.58	7.20	7.37	27.55	43.66	55.37	0.66	67.52	3016	21710
Dyna-Gro	V5294HXTRNS	112	32.40	19.25	6.74	8.44 *	27.46	45.02	58.15 *	0.69 *	70.25 *	3208 *	21649
Augusta	A7664VT3	114	34.83	19.22	6.73	8.09	26.45 *	42.25 *	55.17	0.68 *	69.37 *	3166 *	21277
Pioneer	1498HR	114	35.92	19.84	6.95	7.70	26.89	43.38	53.65	0.67 *	67.77	3053 *	21243
Augusta	A5462GT3000A	112	36.03	19.35	6.77	7.33	28.14	42.27 *	55.20	0.67 *	68.18	3070 *	20826
NK	N74R 3000GT Brand	114	36.37	19.37	6.78	7.23	27.45	43.45	54.47	0.66	67.52	3022	20682
Augusta	A5362VT3Pro	112	33.73	18.42	6.45	7.88	27.51	44.00	55.78	0.69 *	69.54 *	3175 *	20595
Doebler	674GRQ	113	36.51	18.54	6.49	7.62	27.78	43.51	57.36	0.67 *	68.62 *	3084 *	19935
Doebler	RPM® 688AMX™	113	38.65	19.41	6.79	7.36	27.17	43.25 *	53.17	0.64	65.68	2887	19711
Pioneer	P1184AM1	111	37.01	18.94	6.63	7.81	27.71	43.78	54.97	0.65	66.82	2963	19544
Augusta	A5560VT3	110	38.13	19.14	6.70	7.40	27.33	44.08	52.44	0.64	64.98	2840	18803
	Site Average		36.15	23.38	8.18	7.67	27.43	43.82	55.19	0.66	67.64	3027	24773
	LSD (0.10)		2.81	5.10	1.79	0.42	1.64	2.43	2.06	0.02	2.05	159	5496
	C.V.		6.49	18.32	18.32	4.53	5.01	4.64	3.12	3.05	2.54	4	18

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 16. Two-Year Average Corn Silage Test Results (2011 & 2012) at the Southwest Virginia Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006									
		--Days--	%	ton/acre	ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre								
Seed Consultants	SCS 11HQ39™	112	33.37	25.62	*	8.97	*	7.66	29.80	47.89	57.68	0.68	70.62	*	3188	*	28620	*				
Seed Consultants	EX SCS 1118™	119	36.48	26.87	*	9.40	*	7.59	28.79	46.47	57.57	0.67	69.16		3080		27987	*				
T.A. Seeds	TA615-16ND	110	33.56	24.26	*	8.49	*	8.25	*	26.33	*	43.74	*	57.65	0.70	*	71.50	*	3273	*	27641	*
Dyna-Gro	D58VP30	118	34.52	24.95	*	8.73	*	7.51	29.22	45.46	55.94	0.68	69.59		3143		27456	*				
Seed Consultants	SCS 11HR21™	111	35.80	24.40	*	8.54	*	7.48	28.93	45.89	57.85	*	0.68	70.06		3148		26738	*			
Augusta	A6867GTCBLLA	117	35.84	24.32	*	8.51	*	7.85	28.32	45.81	59.26	*	0.68	70.56	*	3177	*	26486	*			
Seed Consultants	SCS 11HQ70™	116	35.67	24.04	*	8.41	*	7.51	28.57	45.20	57.17	0.68	69.90		3151		26456	*				
Augusta	A5461GTCBLLA	111	35.53	24.10	*	8.43	*	7.15	29.64	47.63	58.41	*	0.67	70.15	*	3137		26338	*			
Channel	216-63VT3	116	35.92	23.58		8.25		7.58	26.47	*	42.76	*	54.79	0.68	69.61		3159	*	26021	*		
Augusta	A6166GT3000A	116	33.66	22.26		7.79		7.35	28.78	45.93	57.49	0.68	*	70.59	*	3198	*	25451	*			
Augusta	A5462GT3000A	112	36.72	22.69		7.94		7.36	27.95	43.07	*	55.83	0.67	69.02		3101		24667				
Augusta	A7664VT3P	116	32.19	21.55		7.54		8.08	*	28.50	45.81	57.27	0.69	*	71.35	*	3258	*	24652			
Augusta	A6867CBLL	117	36.19	22.61		7.92		8.10	*	27.48	*	44.62	*	56.86	0.67	69.19		3097		24394		
Seed Consultants	SC 11AGT72™	117	34.97	22.31		7.81		7.73	29.08	48.46	58.56	*	0.67	69.78		3108		24239				
T.A. Seeds	TA780-13V	116	36.21	21.56		7.55		7.28	27.53	*	44.73	*	57.12	0.67	69.66		3134		23802			
Dyna-Gro	V5294HXTRNS	112	31.87	20.93		7.32		8.37	*	28.08	46.23	58.84	*	0.69	*	71.62	*	3267	*	23480		
Pioneer	P1745HR	117	34.79	21.34		7.47		7.72	29.61	48.18	58.13	*	0.67	70.16	*	3140		23123				
Pioneer	P1184AM1	111	36.99	20.83		7.29		7.86	27.26	*	43.89	*	56.17	0.67	68.78		3073		22480			
Doebler's	674GRQ	112	36.41	20.15		7.05		7.47	28.31	45.08	*	57.43	0.67	69.49		3113		21858				
Augusta	A5560VT3	110	37.85	20.49		7.17		7.44	28.86	46.69	56.24	0.65	67.79		2980		21481					
	Site Average		35.23	22.94		8.03		7.67	28.37	45.68	57.31	0.68	69.93		3146		25169					
	LSD (0.10)		2.44	3.02		1.06		3.15	1.39	2.48	1.42	0.02	1.50		116		3264					
	C.V.		8.09	15.39		15.39		4.79	5.73	6.32	2.89	3.04	2.51		4		15					

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

* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

Table 17. Three-Year Average Corn Silage Test Results (2010, 2011 & 2012) at the Southwest Virginia Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 11HQ39™	113	35.45	25.05 *	8.77 *	7.04	29.56	49.53	59.15 *	0.67 *	69.08 *	3040 *	26729 *
Augusta	A6867CBLL	117	38.50	25.92 *	9.07 *	7.20	27.84 *	47.34 *	59.15 *	0.67 *	68.21 *	2935	26284 *
Channel	216-63VT3	116	37.36	24.74 *	8.66 *	7.01	26.71 *	45.07 *	56.38	0.68 *	68.79 *	3000 *	25866 *
Augusta	A5461GTCBLL	111	38.87	24.97 *	8.74 *	6.72	29.22	48.76	59.04 *	0.67 *	69.01 *	2924	25376 *
Augusta	A5462GT3	112	39.88	25.16 *	8.80 *	6.74	28.63 *	47.02 *	57.32	0.66 *	67.94	2861	24854 *
T.A. Seeds	TA780-13V	116	36.41	23.13	8.10	6.69	29.24	48.16	57.60	0.66 *	67.93	2995 *	24214 *
Dyna-Gro	V5294HXTRNS	112	33.44	22.24	7.79	7.75 *	29.00	48.32	58.49 *	0.68 *	69.60 *	3095 *	23637
	Site Average		37.41	24.36	8.53	7.02	28.44	47.45	58.00	0.67	68.58	2968	25038
	LSD (0.10)		2.18	2.51	0.88	0.25	1.99	2.85	1.44	0.02	1.45	104	2844
	C.V.		8.25	14.46	14.46	5.06	9.77	8.39	3.48	3.44	2.96	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 (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer.

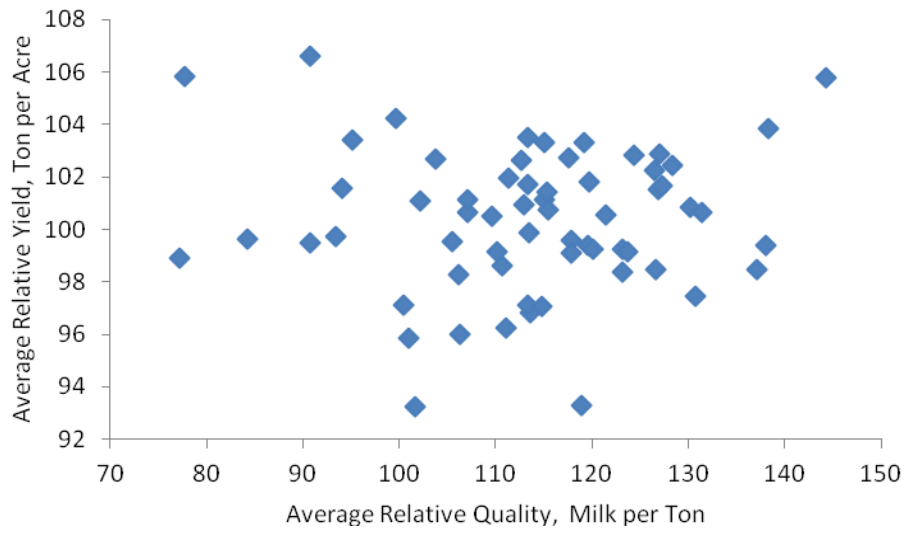
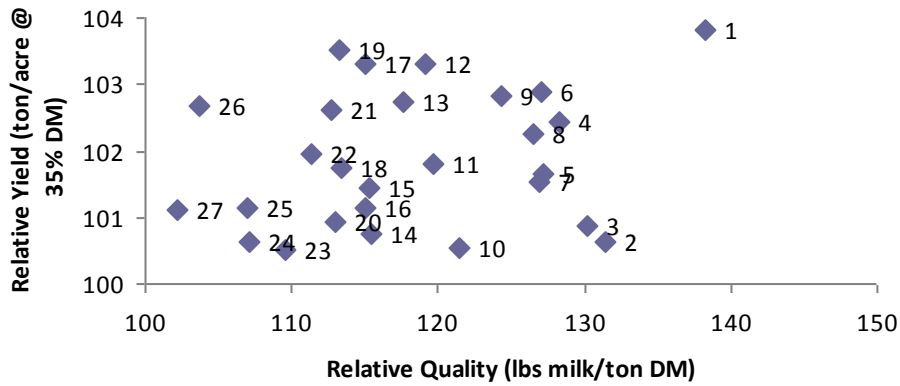


Figure 1. Average relative yield versus quality across sites, 2012

**High Yielding and High Quality Hybrids in at Least 3
Site/Year Combinations in 2012**



Point ID	Brand	Hybrid
1	Pioneer	P2088AM1
2	Masters Choice	MCT 6753 3000GT
3	Doebler's	RPM® 688AMX™
4	Seed Consultants	SCS 1138AMX™
5	Augusta	A6767GT3000
6	Dyna-Gro	D56VP24
7	Seed Consultants	SCS 11HQ39™
8	Seed Consultants	SC 11AGT30™
9	Hubner Seed	H6644RCSS
10	Channel	218-73VT3P
11	Hubner Seed	H5984VT3P
12	Pioneer	P1319AM1
13	T.A. Seeds	TA615-16ND
14	Augusta	A5362VT3Pro
15	Pioneer	1498HR
16	Channel	216-63VT3
17	Seed Consultants	SCS 11HR21™
18	Augusta	A6969RR
19	Dyna-Gro	V5294HXTRNS
20	Augusta	A5462GT3000A
21	T.A. Seeds	TA783-22DP
22	T.A. Seeds	TA780-13V
23	Augusta	A6867GTCBLLA
24	Seed Consultants	SC 11GT72™
25	Mid-Atlantic Seeds	MA7161HXT
26	Augusta	A7664VT3P
27	Mid-Atlantic Seeds	MA8167VT3P

Figure 2. High Yielding and High Quality Hybrids in at Least 3 Site/Year Combinations in 2012