

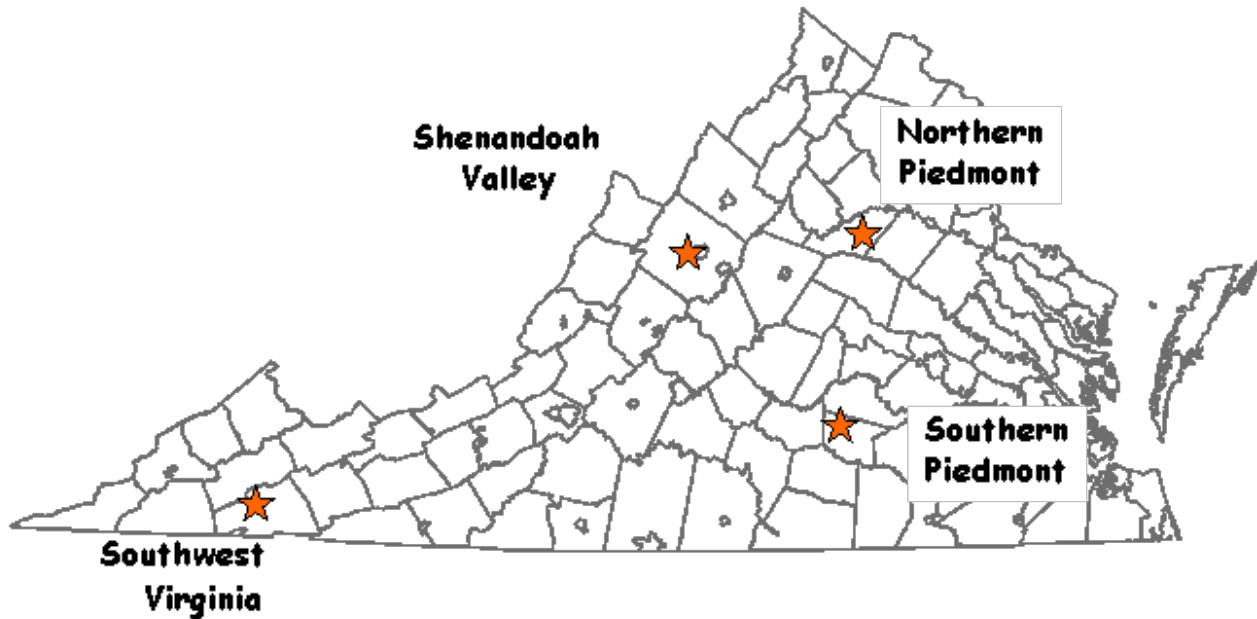


**Virginia Cooperative Extension**

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# Virginia Tech Corn Silage Testing 2014



# THE 2014 VIRGINIA CORN SILAGE HYBRID TRIALS

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# THE 2014 VIRGINIA CORN SILAGE HYBRID TRIALS

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## COMPANIES PARTICIPATING IN THE 2014 CORN SILAGE TRIALS

<b>Company</b>	<b>Brand</b>	<b>Address</b>
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
Chemgro Seeds	Chemgro	PO Box 218, East Petersburg, PA 17520
Crop Production Services	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens Church, VA 23148-0409
Doebler's PA Hybrids, Inc	Doebler's and RPM	202 Tiadaghton Ave., Jersey Shore, PA 17740
Dupont Pioneer	Pioneer	59 Greif Pkwy, Delaware, OH 43015
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
Seed Consultants, Inc	Seed Consultants	648 Miami Trace Rd, Washington Courthouse, OH 43160
Syngenta	NK	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds	T.A. Seeds	39 Seeds Lane, Jersey Shore, PA 17740

## NARRATIVE

This report contains the results for performance trials from commercial corn hybrids produced for silage at four locations in Virginia in 2014 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 called relative yield at that particular site-year combination. 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. Quality analysis was performed using a Foss NIR XDS Rapid Content Analyzer. 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 difference due to uncontrollable variation has been computed for the data and is 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 differing 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 2014, 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.

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.

**2014 VIRGINIA CORN SILAGE PLOT INFORMATION**  
(Rates are on a per acre basis.)

**Blackstone Southern Piedmont Agricultural Research & Extension Center**

**Planted:** April 11, 2014

**Harvested:** July 22, 2014

**Pesticide:** 5 lb Force 3G® at planting; 2 qt Roundup® + 4 qt Lexar® April 10, 2014

**Fertilizer:** 1000 lb 10-10-10 preplant incorporated April 9, 2014; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 80 lb N top-dressed using UAN May 14, 2014

**Irrigation:** 1" using traveling guns on both May 19 and June 30, 2014

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

**Soil Type:** Sandy loam

**Cooperator:** Ned Jones

**Orange Northern Piedmont Agricultural Research & Extension Center**

**Planted:** May 9, 2014

**Harvested:** August 19, 2014

**Pesticide:** 5 lb Force 3G® at planting; 1 qt Atrazine 4L + 2 qt Gramaxone® + 2.1 qt Bicep® May 6, 2014

**Fertilizer:** 30-80-80 May 5, 2014; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 100 lb N side-dressed June 9, 2014

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

**Soil Type:** Dyke loam

**Cooperators:** Steve Gulick

**Shenandoah Valley (Timberville - Thanks to Windcrest Dairy)**

**Planted:** May 20, 2014

**Harvested:** September 11, 2014

**Pesticide:** 5 lb Force 3G® at planting; 1.125 qt Aatrex® + 1.5 qt Princep® pre-plant; 1 oz Accent® Q + 6 oz Yukon® + 1 pt Aatrex® post-emergence

**Fertilizer:** Preplant broadcast 8000 gal dairy slurry; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 40 lb N side-dressed

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

**Soil Type:** Endcav silt loam

**Cooperators:** Jeremy Daubert and David Yutzy

**Washington County (Thanks to Johnny Robinson)**

**Planted:** May 13, 2014

**Harvested:** September 19, 2014

**Pesticide:** 5 lb Force 3G® at planting; Roundup® plus 3 qt Lumax® plus 1 qt atrazine post planting; spot treatment with Accent® for johnsongrass

**Fertilizer:** 130-30-80 preplant; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 lb N side-dressed

**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 2014 VA Tech Corn Silage Hybrid Test**

Brand	Hybrid	ID	Trait Group <sup>1</sup>	DTM <sup>2</sup>	OBS <sup>3</sup>	Insecticide
Augusta	5262GTCBLL	8046	2	112	2	C1250
Augusta	7664VT3PRO	1009	31A	114	1	C1250
Augusta	8064VT2PRO	1010	30	114	2	C
Augusta	5565VT2PRO	1012	29	115	2	C1250
Augusta	A5465GTCBLL	8151	2	115	2	C1250
Augusta	6866GT3111	1001	9	116	1	C1250
Augusta	5566GTCBLL	1005	2	116	2	C1250
Augusta	6867GT3000	1011	6	117	1	C250
Augusta	8868VT3PRO	1006	31A	118	2	C250
Channel	214-14VT3PRIB	4754	31	114	4	A500/V
Channel	215-83STXRIB	4774	33	115	4	A500/V
Channel	218-73VT3PRIB	4797	31	118	4	A500/V
Chemgro	7348G3	8255	6	113	1	C
Chemgro	7746R3P	8253	31	115	1	C
Chemgro	7646R3P	8257	31	116	1	C
Chemgro	7658G3	8258	6	116	1	C
Doebler's	RPM® 647AM1™	5146	17	110	4	PH
Doebler's	RPM® 5315AMXT™	9206	19	113	4	PH
Doebler's	RPM® 689AMXT™	9209	19	113	4	PH
Doebler's	RPM® 743HXR™	5142	12	116	4	PH
Doebler's	5615GRQ	9207	6	116	4	C
Doebler's	5815GRQ	9208	6	118	4	C
Dyna-Gro	D55VP77	4084	31	115	2	PL
Dyna-Gro	D55QC73	4090	8	115	2	PL
Dyna-Gro	D58QC72	4089	8	118	2	PL
Hubner Seed	H5420RC3P	4863	31	110	4	A500/V
Hubner Seed	H4663RC2P	4868	30	113	4	A500/V
Hubner Seed	H5867RC3P	4865	31	115	4	A500/V
Masters Choice	MCT 6583	4806	6	115	2	C
Masters Choice	MCT 6753	4805	6	117	4	C
Mid-Atlantic Seeds	MA8111VT3P	4910	31A	111	1	A250
Mid-Atlantic Seeds	MA5122GT	4932	1A	112	1	C
Mid-Atlantic Seeds	MA8157VT3P	4919	31A	115	1	A250
Mid-Atlantic Seeds	MA5150GT	4933	1A	115	1	C
Mid-Atlantic Seeds	MA8162VT2P	4934	29	115	1	A250
Mid-Atlantic Seeds	MA8167VT3P	4743	31A	116	1	A250
NK	N75H 5122A Brand	8999	35	114	2	C
NK	N79Z 3111 Brand	1202	8	115	4	C
NK	N83D 3000GT Brand	9000	6	117	4	C
Pioneer	P1105AMX	5088	18	111	4	PH
Pioneer	P1319HR	5067	12	113	4	PH
Pioneer	P1498CHR	5068	23	114	4	PH
Pioneer	P1449XR	5075	14	114	4	PH
Pioneer	P1690AM	5074	17	116	4	PH
Pioneer	P2088AMX	5076	18	120	4	PH
Seed Consultants	SCS 11HR21™	4627	12	111	4	PH

**Table 1. List of Hybrids in the 2014 VA Tech Corn Silage Hybrid Test, continued.**

<b>Brand</b>	<b>Hybrid</b>	<b>ID</b>	<b>Trait Group<sup>1</sup></b>	<b>DTM<sup>2</sup></b>	<b>OBS<sup>3</sup></b>	<b>Insecticide</b>
Seed Consultants	SC 11AQ15™	4650	6	111	4	PH
Seed Consultants	SCS 1131AM-R™	4645	15	112	4	C
Seed Consultants	SC 11AQ35™	4651	6	112	4	PH
Seed Consultants	SCS 11AGT43™	4652	2	113	4	PH
Seed Consultants	SCS 11HR63™	4638	12	115	4	PH
Seed Consultants	SC 11AGT74™	4653	2	116	4	PH
Seed Consultants	SC 11AQ72™	4637	6	117	4	PH
T.A. Seeds	TA765-30	5413	8	115	1	C
T.A. Seeds	TA774-22VPRIB	5418	30	116	1	C
T.A. Seeds	TA780-13VPRIB	5417	31	116	1	C
T.A. Seeds	TA784-13VPRIB	5411	31	118	1	C

<sup>1</sup> Trait Group according to Table 2.

<sup>2</sup> Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.

<sup>3</sup>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.



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

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

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Ton per Acre <sup>3</sup> -----												
Channel	218-73VT3PRIB	118	118 *	119 *	106 *	113 *	105 *	112 *	142 *	98	114	8
Dyna-Gro	D55QC73	115	109						115		112	2
Augusta	6867GT3000	117	111								111	1
T.A. Seeds	TA784-13VPRIB	118	111								111	1
Augusta	7664VT3PRO	114	110								110	1
Seed Consultants	SCS 11HR63™	115	117 *	113 *	106 *	105 *	107 *	107 *	104	114 *	109	8
Seed Consultants	SC 11AGT74™	116	110		104		104 *		117		109	4
Mid-Atlantic Seeds	MA5122GT	112	109								109	1
Chemgro	7348G3	113	109	108 *							108	2
T.A. Seeds	TA765-30	115	106	114 *		108 *		109 *		104 *	108	5
Mid-Atlantic Seeds	MA8162VT2P	115	108								108	1
Augusta	8868VT3PRO	118	105		110 *						108	2
Doeblers	RPM® 743HXR™	116	112	104 *	101	107 *	108 *	114 *	110	100 *	107	8
Chemgro	7658G3	116	106								106	1
Hubner Seed	H4663RC2P	113	119 *		101		98		104		106	4
Pioneer	P2088AMX	120	108	98 *	105	107 *	97	111 *	92	117 *	104	8
Seed Consultants	SCS 11HR21™	111	102	100 *	106 *	99	98	114 *	140 *	72	104	8
Augusta	5262GTCBLL	112	118 *	104 *	97	104 *		91		108 *	104	6
Seed Consultants	SCS 1131AM-R™	112	88	96 *	110 *	106 *	98	114 *	118	99 *	104	8
Seed Consultants	SC 11AQ72™	117	93	109 *	98	92	98	111 *	118	107 *	103	8
Chemgro	7746R3P	115	102	103 *							103	2
NK	N83D 3000GT Brand	117	107		97		95		112		103	4
Channel	214-14VT3PRIB	114	135 *	116 *	99	94	105 *	91	88	91	102	8
Pioneer	P1319HR	113	124 *	111 *	111 *	94	104 *	100	70	93	101	8
Augusta	A5465GTCBLL	115	110	102 *	101	98		96		99 *	101	6
Seed Consultants	SCS 11AGT43™	113	110		92		98		103		101	4

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Ton per Acre <sup>3</sup> -----												
NK	N79Z 3111 Brand	115	109		108 *		99		88		101	4
Augusta	5565VT2PRO	115	105		95						100	2
Dyna-Gro	D58QC72	118	78						122		100	2
Pioneer	P1690AM	116	93	86	116 *	99	98	103 *	96	103 *	99	8
Doebler's	RPM® 689AMXT™	113	96		93		111 *		96		99	4
Augusta	8064VT2PRO	114	101		97						99	2
Doebler's	RPM® 5315AMXT™	113	100		99		96		101		99	4
T.A. Seeds	TA780-13VPRIB	116	98								98	1
Hubner Seed	H5867RC3P	115	100	111 *	102	92	97	97	97	89	98	8
NK	N75H 5122A Brand	114	97						99		98	2
Mid-Atlantic Seeds	MA8167VT3P	116	98								98	1
Doebler's	RPM® 647AM1™	110	103		101		102 *		84		98	4
Masters Choice	MCT 6753	117	90	88	91	89	105 *	103 *	118		98	7
Masters Choice	MCT 6583	115	98	105 *	94	96		92			97	5
Mid-Atlantic Seeds	MA8157VT3P	115	89	104 *							96	2
Channel	215-83STXRIB	115	90		102		100 *		92		96	4
Hubner Seed	H5420RC3P	110	89	77	103	99	103 *	96	99	101 *	96	8
Pioneer	P1498CHR	114	93	109 *	97	100 *	96	101	68	98	95	8
Doebler's	5815GRQ	118	80		101		99		99		95	4
Seed Consultants	SC 11AQ35™	112	103		90		98		85		94	4
Seed Consultants	SC 11AQ15™	111	98		96		95		84		93	4
Mid-Atlantic Seeds	MA5150GT	115	92								92	1
Augusta	5566GTCBLL	116	93		90						92	2
Mid-Atlantic Seeds	MA8111VT3P	111	95	87							91	2
Chemgro	7646R3P	116	91	90							90	2
Dyna-Gro	D55VP77	115	81						99		90	2
Doebler's	5615GRQ	116	84		84		87		101		89	4

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Ton per Acre <sup>3</sup> -----												
Pioneer	P1449XR	114	80	73	93	92	95	99	76	100 *	89	8
T.A. Seeds	TA774-22DPRIB	116	89								89	1
Augusta	6866GT3111	116	88								88	1
Pioneer	P1105AMX	111	75		98		101 *		76		88	4

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

<sup>2</sup> 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.

<sup>3</sup> 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 similar to 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. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Milk per Ton <sup>3</sup> -----												
Augusta	7664VT3PRO	114	110 *								110	1
Mid-Atlantic Seeds	MA8167VT3P	116	105 *								105	1
Augusta	6866GT3111	116	104 *								104	1
Augusta	6867GT3000	117	104 *								104	1
T.A. Seeds	TA784-13VPRIB	118	104 *								104	1
Augusta	5566GTCBLL	116	107 *		101						104	2
Pioneer	P1449XR	114	104 *	105 *	107 *	106 *	99 *	103 *	97	108 *	104	8
Chemgro	7646R3P	116	102	104 *							103	2
Dyna-Gro	D55VP77	115	98						107 *		102	2
Seed Consultants	SC 11AQ15™	111	106 *		103 *		100 *		100		102	4
Mid-Atlantic Seeds	MA8157VT3P	115	103 *	101 *							102	2
Doebler's	5615GRQ	116	105 *		102		99		103 *		102	4
T.A. Seeds	TA765-30	115	101	101 *		99		101 *		108 *	102	5
Dyna-Gro	D58QC72	118	106 *						98		102	2
Channel	218-73VT3PRIB	118	102	105 *	100	98	99 *	101 *	105 *	105 *	102	8
Seed Consultants	SCS 11HR21™	111	99	103 *	102	103 *	101 *	100 *	107 *	99 *	102	8
Masters Choice	MCT 6583	115	100	104 *	102 *	99		103 *			102	5
Seed Consultants	SC 11AQ72™	117	100	101 *	100	98	100 *	101 *	105 *	106 *	101	8
NK	N79Z 3111 Brand	115	105 *		99		100 *		102 *		101	4
Pioneer	P1498CHR	114	104 *	100 *	99	100	103 *	101 *	99	101 *	101	8
Doebler's	5815GRQ	118	102		100		101 *		101 *		101	4
Doebler's	RPM® 689AMXT™	113	101		102		99 *		100		101	4
Augusta	8868VT3PRO	118	102		99						100	2

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Milk per Ton <sup>3</sup> -----												
Doeblers	RPM® 743HXR™	116	94	102 *	101	103 *	101 *	102 *	102 *	99	100	8
Mid-Atlantic Seeds	MA5122GT	112	100								100	1
Pioneer	P1105AMX	111	95		101		102 *		103 *		100	4
NK	N83D 3000GT Brand	117	102		100		98		101 *		100	4
Pioneer	P2088AMX	120	100	101 *	103 *	104 *	99	104 *	92	97	100	8
Masters Choice	MCT 6753	117	105 *	102 *	97	100	99 *	100 *	94		100	7
Hubner Seed	H5867RC3P	115	98	104 *	99	100	97	100 *	103 *	96	100	8
Hubner Seed	H5420RC3P	110	99	94	99	102 *	102 *	103 *	101 *	98	100	8
Mid-Atlantic Seeds	MA8162VT2P	115	100								100	1
Doeblers	RPM® 5315AMXT™	113	96		101		101 *		100		100	4
Hubner Seed	H4663RC2P	113	96		100		100 *		102 *		100	4
Seed Consultants	SCS 1131AM-R™	112	95	99 *	101	102 *	99 *	100 *	99	101 *	100	8
Augusta	8064VT2PRO	114	99		100						100	2
Dyna-Gro	D55QC73	115	99						100		99	2
Pioneer	P1319HR	113	98	95	96	100	101 *	104 *	101	100 *	99	8
Channel	214-14VT3PRIB	114	95	99	101	99	102 *	102 *	99	98	99	8
NK	N75H 5122A Brand	114	104 *						94		99	2
Doeblers	RPM® 647AM1™	110	96		96		103 *		103 *		99	4
Seed Consultants	SC 11AGT74™	116	101		101		99		97		99	4
Augusta	A5465GTCBLL	115	102	101 *	97	101		96		100 *	99	6
Channel	215-83STXRIB	115	99		100		99		99		99	4
Augusta	5565VT2PRO	115	97		101						99	2
Chemgro	7348G3	113	96	101 *							99	2
Chemgro	7746R3P	115	95	102 *							99	2
Augusta	5262GTCBLL	112	94	104 *	100	99		98		97	99	6
Seed Consultants	SC 11AQ35™	112	95		99		101 *		98		98	4
Pioneer	P1690AM	116	96	97	95	103 *	99	98 *	99	98	98	8
Seed Consultants	SCS 11HR63™	115	99	95	99	97	98	96	98	102 *	98	8
Mid-Atlantic Seeds	MA8111VT3P	111	98	97							98	2

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Milk per Ton <sup>3</sup> -----												
T.A. Seeds	TA774-22DPRIB	116	98								98	1
T.A. Seeds	TA780-13VPRIB	116	97								97	1
Chemgro	7658G3	116	97								97	1
Seed Consultants	SCS 11AGT43™	113	96		96		98		95		96	4
Mid-Atlantic Seeds	MA5150GT	115	93								93	1

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

<sup>2</sup> 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.

<sup>3</sup> 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 similar to 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. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
-----Relative Milk per Acre <sup>3</sup> -----												
Augusta	7664VT3PRO	114	122 *								122	1
Channel	218-73VT3PRIB	118	120 * 124 *	107 * 111 *	104 * 113 *	150 * 103					117	8
Augusta	6867GT3000	117	116 *								116	1
T.A. Seeds	TA784-13VPRIB	118	115 *								115	1
Dyna-Gro	D55QC73	115	108					115 *			111	2
T.A. Seeds	TA765-30	115	107 116 *	106 *		110 *			112		110	5
Mid-Atlantic Seeds	MA5122GT	112	109 *								109	1
Seed Consultants	SC 11AGT74™	116	111 *		105 *		103 *		114 *		108	4
Augusta	8868VT3PRO	118	107		109 *						108	2
Mid-Atlantic Seeds	MA8162VT2P	115	108								108	1
Doebblers	RPM® 743HXR™	116	106 107 *	102 * 110 *	110 * 117 *	112 98					108	8
Seed Consultants	SCS 11HR63™	115	116 * 107 *	105 * 102 *	105 * 104 *	103 116					107	8
Chemgro	7348G3	113	105 109 *								107	2
Seed Consultants	SCS 11HR21™	111	100 103 *	108 * 102 *	99 * 114 *	150 * 72					106	8
Hubner Seed	H4663RC2P	113	115 *		101 *		98 *		106 *		105	4
Seed Consultants	SC 11AQ72™	117	93 110 *	98 91	97 112 *	123 115					105	8
Pioneer	P2088AMX	120	109 * 95	109 * 111 *	96 115 *	85 113					104	8
Mid-Atlantic Seeds	MA8167VT3P	116	104								104	1
Chemgro	7658G3	116	104								104	1
Seed Consultants	SCS 1131AM-R™	112	84 95	110 * 109 *	97 113 *	117 100					103	8
NK	N83D 3000GT Brand	117	108		97		93		114 *		103	4
Augusta	5262GTCBLL	112	111 * 108 *	98 102 *		89			106		102	6
NK	N79Z 3111 Brand	115	114 *		107 *		98 *		89		102	4
Channel	214-14VT3PRIB	114	129 * 114 *	100 93	107 * 92	88 89					102	8
Dyna-Gro	D58QC72	118	83					120 *			101	2

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>	
			2014	2013	2014	2013	2014	2013	2014	2013			
-----Relative Milk per Acre <sup>3</sup> -----													
Chemgro	7746R3P	115	97	104 *							101	2	
Augusta	A5465GTCBLL	115	112 *	102 *	98	99 *		92		99	100	6	
Pioneer	P1319HR	113	122 *	105 *	107 *	95		105 *	104 *	71	94	100	8
Doebler's	RPM® 689AMXT™	113	97		94			111 *		97		100	4
Masters Choice	MCT 6583	115	97	111 *	97	96			95			99	5
Augusta	5565VT2PRO	115	102		96							99	2
Augusta	8064VT2PRO	114	100		97							99	2
Doebler's	RPM® 5315AMXT™	113	96		100 *			97		101		99	4
Mid-Atlantic Seeds	MA8157VT3P	115	91	105 *								98	2
Hubner Seed	H5867RC3P	115	99	115 *	101 *	92		94	98	100	86	98	8
Masters Choice	MCT 6753	117	95	91	89	90		104 *	104 *	110 *		98	7
NK	N75H 5122A Brand	114	101							93		97	2
Pioneer	P1690AM	116	89	83	110 *	101 *		96	101	95	101	97	8
Seed Consultants	SCS 11AGT43™	113	105		88			96		99		97	4
Doebler's	RPM® 647AM1™	110	99		96			106 *		87		97	4
Pioneer	P1498CHR	114	95	116 *	97	100 *		99 *	103	68	99	97	8
Hubner Seed	H5420RC3P	110	88	72	102 *	101 *		106 *	99	100	99	96	8
Doebler's	5815GRQ	118	81		101 *			100 *		100		95	4
Seed Consultants	SC 11AQ15™	111	104		99			95		83		95	4
T.A. Seeds	TA780-13VPRIB	116	95									95	1
Channel	215-83STXRIB	115	90		102 *			99 *		91		95	4
Augusta	5566GTCBLL	116	99		91							95	2
Dyna-Gro	D55VP77	115	81							106 *		93	2
Chemgro	7646R3P	116	93	93								93	2
Seed Consultants	SC 11AQ35™	112	97		90			99 *		83		92	4
Pioneer	P1449XR	114	84	78	100	98 *		95	102	74	107	92	8
Augusta	6866GT3111	116	92									92	1

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

Brand	Hybrid	DTM per Co. <sup>1</sup>	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. <sup>2</sup>
			2014	2013	2014	2013	2014	2013	2014	2013		
			-----Relative Milk per Acre <sup>3</sup> -----									
Doebblers	5615GRQ	116	89		85		86		104 *		91	4
Mid-Atlantic Seeds	MA8111VT3P	111	92	85							89	2
Pioneer	P1105AMX	111	72		99		103 *		78		88	4
T.A. Seeds	TA774-22DPRIB	116	87								87	1
Mid-Atlantic Seeds	MA5150GT	115	86								86	1

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

<sup>2</sup> 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.

<sup>3</sup> 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 similar to 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. 2014 Corn Silage Test Results at the Shenandoah Valley Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006		
		--Days--	%	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre		
Channel	214-14VT3PRIB	114	43.29	37.16	* 13.01	* 7.48	29.04	51.19	59.18	0.55	58.78	2321	30147	*
Pioneer	P1319HR	113	43.57	34.20	* 11.97	* 7.31	30.92	54.27	65.06	* 0.56	60.60	2391	28645	*
Augusta	7664VT3PRO	114	37.44	30.43	10.65	7.80	* 28.47	* 51.98	60.62	0.60	* 63.46	* 2666	* 28480	*
Channel	218-73VT3PRIB	118	41.79	32.50	* 11.38	* 7.67	27.13	* 49.86	* 59.63	0.58	60.90	2478	28162	*
Seed Consultants	SCS 11HR63™	115	41.89	32.31	* 11.31	* 7.23	30.66	52.73	61.24	0.56	60.24	2406	27142	*
Augusta	6867GT3000	117	40.37	30.68	10.74	7.56	29.14	51.80	61.92	0.58	* 61.80	* 2528	* 27101	*
T.A. Seeds	TA784-13VPRIB	118	40.26	30.57	10.70	7.11	30.05	52.85	62.01	0.58	* 61.91	* 2527	* 27021	*
Hubner Seed	H4663RC2P	113	43.45	32.84	* 11.49	* 6.97	31.57	53.41	61.13	0.55	59.41	2339	26884	*
NK	N79Z 3111 Brand	115	38.86	29.90	10.46	7.76	* 29.96	53.38	61.61	0.59	* 62.08	* 2550	* 26638	*
Augusta	A5465GTCBLL	115	42.35	30.37	10.63	7.72	28.76	49.96	* 63.03	0.57	61.42	* 2477	26320	*
Seed Consultants	SC 11AGT74™	116	43.43	30.22	10.58	7.74	* 27.85	* 50.81	62.52	0.57	60.93	2453	25982	*
Augusta	5262GTCBLL	112	46.86	32.45	* 11.36	* 7.31	29.27	49.96	* 61.18	0.54	58.88	2280	25900	*
Mid-Atlantic Seeds	MA5122GT	112	41.84	29.89	10.46	7.51	29.25	50.42	60.29	0.57	60.57	2442	25445	*
Pioneer	P2088AMX	120	42.46	29.86	10.45	7.49	28.44	* 50.51	61.96	0.57	60.63	2427	25424	*
Mid-Atlantic Seeds	MA8162VT2P	115	41.19	29.72	10.40	7.58	29.04	51.18	58.72	0.57	60.11	2426	25350	
NK	N83D 3000GT Brand	117	45.30	29.41	10.29	7.84	* 27.28	* 47.85	* 61.69	0.57	61.23	2472	25315	
Dyna-Gro	D55QC73	115	43.20	29.91	10.47	7.19	29.16	51.97	62.29	0.56	60.37	2406	25311	
T.A. Seeds	TA765-30	115	43.29	29.28	10.25	7.20	30.02	52.49	64.14	0.57	61.53	* 2469	25159	
Augusta	8868VT3PRO	118	41.83	29.04	10.16	7.18	29.13	51.31	61.75	0.57	61.19	2476	25111	
Doebler's	RPM® 743HXR™	116	46.78	30.78	10.77	6.96	30.26	52.30	64.27	0.54	59.18	2286	24800	
Chemgro	7348G3	113	46.23	30.05	10.52	7.36	29.36	49.61	* 60.05	0.55	59.27	2340	24650	
Seed Consultants	SCS 11AGT43™	113	44.77	30.23	10.58	7.28	29.70	51.82	61.07	0.55	59.63	2330	24611	
Mid-Atlantic Seeds	MA8167VT3P	116	40.43	27.00	9.45	7.75	* 27.92	* 50.20	* 60.87	0.59	* 62.10	* 2559	* 24293	
Seed Consultants	SC 11AQ15™	111	41.27	26.91	9.42	7.82	* 26.26	* 46.75	* 59.42	0.59	* 62.31	* 2580	* 24266	
Chemgro	7658G3	116	44.12	29.30	10.26	7.01	29.92	52.44	61.07	0.56	59.68	2365	24256	
Augusta	5565VT2PRO	115	43.53	28.93	10.13	7.47	29.54	52.67	61.47	0.56	59.95	2371	23992	
NK	N75H 5122A Brand	114	39.74	26.80	9.38	7.68	28.47	* 51.56	61.18	0.59	* 61.89	* 2542	* 23698	
Seed Consultants	SCS 11HR21™	111	44.75	27.95	9.78	7.54	28.30	* 48.72	* 61.18	0.56	60.30	2410	23504	
Augusta	8064VT2PRO	114	41.46	27.70	9.70	7.09	30.84	54.24	60.18	0.57	60.22	2418	23389	
Doebler's	RPM® 647AM1™	110	51.17	28.49	9.97	7.55	28.11	* 49.98	* 62.08	0.55	59.37	2331	23216	
Augusta	5566GTCBLL	116	41.01	25.51	8.93	8.27	* 27.33	* 49.56	* 63.52	0.59	* 62.93	* 2596	* 23150	
Hubner Seed	H5867RC3P	115	42.37	27.57	9.65	7.41	28.87	51.47	60.31	0.56	59.70	2380	23144	
Seed Consultants	SC 11AQ35™	112	45.15	28.33	9.91	6.99	30.13	51.99	62.32	0.55	59.16	2303	22831	
Masters Choice	MCT 6583	115	40.31	27.03	9.46	7.16	30.03	53.17	59.91	0.57	60.26	2431	22831	

**Table 6. 2014 Corn Silage Test Results at the Shenandoah Valley Site, continued**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006	
		--Days--	%	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre	
Chemgro	7746R3P	115	44.58	28.16	9.86	6.97	31.12	53.08	62.01	0.55	59.13	2304	22751
Doebler	RPM® 689AMXT™	113	41.50	26.48	9.27	7.94	* 28.67	51.95	60.76	0.57	60.81	2458	22645
Doebler	RPM® 5315AMXT™	113	43.12	27.54	9.64	7.83	* 29.24	51.74	62.38	0.55	59.45	2332	22529
T.A. Seeds	TA780-13VPRIB	116	42.20	27.05	9.47	7.25	29.92	52.85	60.54	0.56	59.58	2365	22318
Masters Choice	MCT 6753	117	40.45	24.83	8.69	7.41	29.35	52.00	62.49	0.59	* 62.30	* 2555	* 22310
Pioneer	P1498CHR	114	41.58	25.50	8.93	7.61	29.20	51.59	62.58	0.58	* 61.93	* 2524	* 22245
Seed Consultants	SC 11AQ72™	117	43.51	25.73	9.01	7.44	28.80	49.99	* 61.96	0.57	60.62	2426	21879
Chemgro	7646R3P	116	41.50	25.10	8.79	7.70	29.48	50.97	61.44	0.57	61.23	2479	21729
Mid-Atlantic Seeds	MA8111VT3P	111	41.83	26.11	9.14	7.41	27.78	* 49.29	* 56.88	0.57	59.40	2389	21613
Augusta	6866GT3111	116	41.35	24.28	8.50	7.70	28.81	50.04	* 62.59	0.58	* 62.01	* 2532	* 21467
Mid-Atlantic Seeds	MA8157VT3P	115	39.18	24.38	8.53	7.25	30.53	53.36	60.57	0.58	* 61.51	* 2515	* 21391
Channel	215-83STXRIB	115	43.76	24.85	8.70	7.77	* 27.55	* 48.89	* 61.18	0.56	60.29	2408	20974
Pioneer	P1690AM	116	45.23	25.49	8.92	6.96	30.20	52.63	62.91	0.55	59.59	2330	20851
Doebler	5615GRQ	116	41.17	23.19	8.12	7.54	27.21	* 49.31	* 60.30	0.59	* 61.96	* 2555	* 20768
Hubner Seed	H5420RC3P	110	41.68	24.61	8.61	7.13	30.15	52.65	59.69	0.56	59.97	2403	20677
T.A. Seeds	TA774-22DPRIB	116	42.21	24.40	8.54	7.44	29.04	50.34	58.02	0.56	59.37	2374	20295
Mid-Atlantic Seeds	MA5150GT	115	47.47	25.21	8.83	7.73	* 28.59	* 50.03	* 60.81	0.54	58.63	2274	20102
Seed Consultants	SCS 1131AM-R™	112	45.13	24.35	8.52	7.56	29.90	52.07	61.57	0.55	59.26	2319	19755
Pioneer	P1449XR	114	42.61	22.14	7.75	7.88	* 28.21	* 50.66	66.88	* 0.58	62.55	* 2522	* 19582
Dyna-Gro	D58QC72	118	40.71	21.41	7.49	8.01	* 27.08	* 48.91	* 60.96	0.59	* 62.23	* 2569	* 19390
Doebler	5815GRQ	118	42.87	21.96	7.69	7.81	* 27.43	* 49.61	* 61.59	0.58	61.31	* 2486	18988
Dyna-Gro	D55VP77	115	43.83	22.44	7.85	7.46	28.15	* 50.44	59.42	0.56	59.75	2388	18899
Pioneer	P1105AMX	111	47.81	20.76	7.27	7.08	30.36	52.74	62.66	0.55	59.28	2311	16761
	Site Average		42.82	27.71	9.70	7.47	29.07	51.22	61.39	0.57	60.60	2431	23545
	LSD (0.10)		3.47	5.46	1.91	0.54	2.37	3.52	2.55	0.02	2.19	164	4794
	C.V.		6.43	15.71	15.71	6.17	6.98	5.87	3.55	3.46	2.86	5	16

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 7. Two-Year Average Corn Silage Test Results (2012 & 2013) at the Shenandoah Valley Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006	
		--Days--	%	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre	
Channel	218-73VT3PRIB	118	37.88	30.53	* 10.69	* 7.78	* 27.17	* 48.45	* 59.77	0.62	* 64.64	2776	* 29399
Channel	214-14VT3PRIB	114	38.79	32.17	* 11.26	* 7.70	* 28.55	* 49.32	* 59.07	0.61	63.08	2662	29332
Pioneer	P1319HR	113	39.40	30.17	* 10.56	* 7.88	* 29.51	51.95	61.86	0.60	63.16	2637	27517
Seed Consultants	SCS 11HR63™	115	38.63	29.87	* 10.45	* 7.23	31.02	52.22	60.83	0.60	62.69	2607	26960
T.A. Seeds	TA765-30	115	38.99	28.25	9.89	7.77	* 28.47	* 50.50	* 62.69	0.61	64.50	2726	* 26772
Augusta	5262GTCBLL	112	38.21	27.63	9.67	7.60	* 28.36	* 48.20	* 60.52	0.63	* 65.14	* 2803	* 26514
Augusta	A5465GTCBLL	115	38.89	27.59	9.65	8.07	* 27.86	* 48.73	* 62.31	0.61	64.43	2728	* 25994
Chemgro	7348G3	113	39.43	27.67	9.68	7.59	* 28.42	* 49.01	* 59.45	0.61	63.73	2704	25932
Hubner Seed	H5867RC3P	115	37.14	26.85	9.40	7.80	* 27.47	* 47.77	* 58.99	0.63	* 65.16	* 2829	* 25918
Doebler's	RPM® 743HXR™	116	38.88	27.22	9.53	7.34	29.76	50.33	* 62.52	0.62	* 64.63	2745	* 25865
Masters Choice	MCT 6583	115	35.72	25.74	9.01	7.62	* 28.77	* 49.19	* 60.29	0.63	* 65.63	* 2854	* 25703
Pioneer	P1498CHR	114	38.33	25.51	8.93	7.90	* 28.33	* 48.29	* 60.96	0.62	* 64.48	2746	* 25118
Pioneer	P2088AMX	120	38.36	26.91	9.42	7.32	28.30	* 50.39	* 61.59	0.60	63.25	2642	24900
Seed Consultants	SC 11AQ72™	117	38.46	25.65	8.98	7.82	* 28.37	* 48.48	* 60.82	0.62	* 64.49	2749	* 24653
Seed Consultants	SCS 11HR21™	111	39.61	25.72	9.00	7.60	* 28.12	* 47.63	* 62.05	0.62	* 64.87	* 2766	* 24646
Chemgro	7746R3P	115	37.90	26.49	9.27	7.62	* 28.96	* 50.89	61.18	0.61	64.03	2708	24172
Mid-Atlantic Seeds	MA8157VT3P	115	35.22	24.48	8.57	7.51	29.37	51.60	60.68	0.63	* 65.51	* 2834	* 24163
Chemgro	7646R3P	116	36.31	23.11	8.09	8.07	* 28.45	* 48.74	* 60.96	0.63	* 65.31	* 2812	* 22491
Masters Choice	MCT 6753	117	37.30	23.02	8.06	7.72	* 28.63	* 49.68	* 61.34	0.62	* 65.09	* 2793	* 22475
Seed Consultants	SCS 1131AM-R™	112	38.17	23.45	8.21	7.81	* 29.55	50.40	* 60.91	0.60	63.50	2668	21800
Mid-Atlantic Seeds	MA8111VT3P	111	37.21	23.28	8.15	7.49	28.51	* 49.73	* 57.71	0.61	63.10	2674	21414
Pioneer	P1690AM	116	39.30	22.82	7.99	7.25	30.40	51.25	61.37	0.60	63.20	2641	20874
Pioneer	P1449XR	114	38.76	20.04	7.01	8.08	* 27.25	* 48.56	* 66.37	* 0.63	* 66.69	* 2863	* 19608
Hubner Seed	H5420RC3P	110	37.07	21.78	7.62	7.11	30.88	52.77	59.10	0.59	62.28	2596	19562
Site Average			38.08	26.08	9.13	7.65	28.77	49.75	60.97	0.61	64.27	2732	24658
LSD (0.10)			2.32	3.76	1.32	0.51	1.99	3.17	1.75	0.02	1.83	139	3845
C.V.			6.90	16.28	16.28	7.76	8.03	7.40	3.34	3.86	3.21	6	17

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

\* Indicates numbers not significantly different from the highest (or low est for ADF and NDF) value in that column, i.e. within one LSD of the top performer. Hybrids are listed in descending order of lb milk/acre.

**Table 8. Three-Year Average Corn Silage Test Results (2012, 2013 & 2014) at the Shenandoah Valley Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006		
		--Days--	%	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre		
Channel	214-14VT3PRIB	114	38.92	32.61	* 11.41	* 7.62	* 28.00	* 48.22	* 58.98	0.61	63.80	2715	30496	*
Channel	218-73VT3PRIB	118	36.40	28.06	9.82	7.58	* 27.23	* 47.73	* 59.47	0.64	* 66.24	* 2899	* 27883	*
Seed Consultants	SCS 11HR63™	115	37.64	28.65	10.03	7.18	29.91	49.74	* 60.19	0.62	64.55	2752	27290	*
Mid-Atlantic Seeds	MA8157VT3P	115	34.31	24.85	8.70	7.37	* 28.20	* 48.82	* 60.64	* 0.66	* 67.83	* 3009	* 26154	
Doebler's	RPM® 743HXR™	116	38.55	25.30	8.85	7.35	* 28.93	48.94	* 61.72	* 0.62	65.38	2807	24490	
Seed Consultants	SCS 11HR21™	111	38.27	23.77	8.32	7.49	* 28.00	* 47.24	* 61.81	* 0.63	66.27	* 2870	23478	
Chemgro	7746R3P	115	36.43	23.98	8.39	7.56	* 28.41	* 49.76	* 61.09	* 0.63	65.68	2835	22755	
Masters Choice	MCT 6753	117	36.29	22.31	7.81	7.56	* 28.06	* 48.15	* 60.51	0.64	* 66.59	* 2912	* 22683	
Seed Consultants	SC 11AQ72™	117	37.23	22.81	7.98	7.64	* 27.99	* 47.37	* 60.37	0.64	66.08	2873	22591	
Pioneer	P1498CHR	114	37.56	22.68	7.94	7.72	* 27.91	* 47.62	* 61.07	* 0.63	65.82	2842	22543	
	Site Average		37.16	25.50	8.93	7.51	28.26	48.36	60.59	0.63	65.82	2852	25036	
	LSD (0.10)		2.14	3.19	1.12	0.41	1.62	2.51	1.22	0.02	1.61	125	3267	
	C.V.		7.62	16.62	16.62	7.39	7.65	6.96	2.69	3.96	3.20	6	17	

<sup>1</sup>Days 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. Hybrids are listed in descending order of lb milk/acre.

**Table 9. 2014 Corn Silage Test Results at the Northern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006	
		--Days--	%	ton/acre	ton/acre	-----%-----			Mcal/lb	%	lb milk/ton	lb milk/acre		
Seed Consultants	SCS 1131AM-R™	112	32.26	29.88	* 10.46	* 7.11	* 28.79	* 50.26	* 60.29	0.66	67.49	3001	31339	*
Pioneer	P1690AM	116	35.40	31.76	* 11.12	* 6.53	29.03	50.36	* 62.30	0.63	65.85	2843	31292	*
Augusta	8868VT3PRO	118	32.73	29.99	* 10.50	* 6.59	30.00	51.40	62.08	0.65	67.28	2962	31088	*
Pioneer	P2088AMX	120	31.84	28.76	10.07	6.38	29.91	51.83	65.21	0.66	* 69.14	3071	* 30867	*
Seed Consultants	SCS 11HR21™	111	31.03	28.89	* 10.11	* 6.91	29.46	50.60	* 62.19	0.66	* 68.32	3045	30782	*
Pioneer	P1319HR	113	34.21	30.31	* 10.61	* 6.79	30.45	51.43	61.18	0.64	66.11	2878	30490	*
NK	N79Z 3111 Brand	115	32.65	29.44	* 10.31	* 6.85	29.95	51.42	59.81	0.65	66.69	2943	30306	*
Channel	218-73VT3PRIB	118	31.92	28.94	* 10.13	* 7.06	28.64	* 50.59	* 59.91	0.65	67.23	2985	30301	*
Seed Consultants	SC 11AGT74™	116	33.75	28.41	9.94	7.47	* 27.97	* 49.40	* 63.07	0.66	68.05	3014	29986	*
Seed Consultants	SCS 11HR63™	115	33.32	28.98	* 10.14	* 6.40	30.24	52.03	62.24	0.65	67.07	2943	29845	*
Channel	215-83STXRIB	115	32.44	27.69	9.69	6.68	29.83	50.85	61.11	0.65	67.51	2993	28985	*
Doebler	RPM® 743HXR™	116	32.26	27.47	9.61	6.59	30.00	51.22	63.42	0.66	68.14	3015	28972	*
Hubner Seed	H5420RC3P	110	32.09	27.98	9.79	6.43	30.82	52.33	60.23	0.65	66.89	2954	28932	*
Hubner Seed	H4663RC2P	113	31.30	27.59	9.66	6.71	29.80	50.26	* 59.68	0.66	67.25	2987	28850	*
Doebler	5815GRQ	118	33.28	27.65	9.68	7.31	* 28.63	* 49.26	* 61.78	0.65	67.37	2973	28771	*
Hubner Seed	H5867RC3P	115	30.92	27.78	9.72	7.21	* 28.50	* 50.30	* 59.27	0.65	66.85	2962	28762	*
Doebler	RPM® 5315AMXT™	113	30.97	26.95	9.43	6.79	29.61	50.73	61.22	0.66	* 67.93	3025	28545	*
Channel	214-14VT3PRIB	114	33.16	26.87	9.40	7.17	* 27.94	* 48.06	* 59.65	0.66	* 67.69	3024	28475	
Pioneer	P1449XR	114	29.20	25.48	8.92	7.57	* 28.45	* 49.84	* 67.46	* 0.68	* 70.79	* 3181	* 28374	
Seed Consultants	SC 11AQ15™	111	31.64	26.25	9.19	7.07	28.42	* 47.69	* 59.29	0.67	* 68.25	3073	* 28210	
Pioneer	P1105AMX	111	31.71	26.68	9.34	7.37	* 28.21	* 49.15	* 60.97	0.66	* 67.84	3022	28194	
Augusta	A5465GTCBLL	115	34.61	27.67	9.68	7.11	* 29.10	49.94	* 60.71	0.64	66.12	2885	27965	
Seed Consultants	SC 11AQ72™	117	30.82	26.81	9.38	7.06	29.59	51.38	62.07	0.65	67.55	2983	27907	
Augusta	5262GTCBLL	112	32.37	26.55	9.29	7.37	* 28.33	* 48.49	* 59.21	0.66	67.21	2989	27733	
Augusta	8064VT2PRO	114	32.50	26.56	9.29	7.21	* 27.79	* 49.68	* 58.09	0.65	66.85	2976	27696	
NK	N83D 3000GT Brand	117	32.73	26.36	9.23	7.21	* 28.77	* 50.33	* 61.86	0.65	67.65	2995	27628	
Pioneer	P1498CHR	114	33.79	26.53	9.28	7.44	* 28.88	* 49.37	* 61.98	0.65	67.30	2964	27494	
Masters Choice	MCT 6583	115	32.53	25.73	9.00	7.55	* 27.39	* 48.74	* 60.29	0.67	* 68.17	3056	* 27484	
Doebler	RPM® 647AM1™	110	35.96	27.53	9.64	7.35	* 27.82	* 48.14	* 60.87	0.63	65.78	2855	27397	
Augusta	5565VT2PRO	115	32.17	25.85	9.05	7.21	* 28.72	* 50.31	* 59.88	0.66	67.49	3006	27201	
Doebler	RPM® 689AMXT™	113	32.19	25.30	8.86	7.50	* 28.60	* 49.05	* 60.32	0.66	* 67.87	3032	26850	
Augusta	5566GTCBLL	116	31.69	24.67	8.64	7.31	* 29.44	51.68	63.43	0.65	68.03	3007	25860	



**Table 9. 2014 Corn Silage Test Results at the Northern Piedmont Site, continued**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SC 11AQ35™	112	31.73	24.66	8.63	6.90	29.63	49.61 *	58.12	0.65	66.69	2961	25485
Masters Choice	MCT 6753	117	31.76	24.87	8.71	6.77	30.32	52.35	61.37	0.64	66.48	2904	25282
Seed Consultants	SCS 11AGT43™	113	32.47	25.11	8.79	7.08	30.38	52.04	60.27	0.63	65.63	2851	25021
Doebler's	5615GRQ	116	31.97	22.84	8.00	7.02	28.30 *	49.28 *	60.26	0.66 *	67.94	3038	24225
	Site Average		32.43	27.24	9.54	7.03	29.10	50.26	61.14	0.65	67.40	2983	28405
	LSD (0.10)		2.43	2.93	1.03	0.48	1.93	2.93	1.87	0.02	1.60	125	2801
	C.V.		6.23	8.95	8.95	5.73	5.53	4.86	2.55	2.48	1.97	4	8

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 10. Two-Year Average Corn Silage Test Results (2013 & 2014) at the Northern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%		ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Pioneer	P2088AMX	120	31.47	26.77	* 9.37	* 7.21	28.25	48.33	63.14	0.68	70.06	3170	29508 *
Seed Consultants	SCS 1131AM-R™	112	32.25	26.95	* 9.43	* 7.63	* 27.54	* 47.01	* 60.26	0.67	68.93	3115	29263 *
Channel	218-73VT3PRIB	118	32.97	27.24	* 9.53	* 7.41	27.16	* 47.66	58.54	0.66	67.80	3041	29015 *
Pioneer	P1690AM	116	33.11	27.03	* 9.46	* 7.00	28.35	47.94	61.12	0.66	68.14	3039	28245 *
Doebler's	RPM® 743HXR™	116	32.16	25.82	* 9.04	* 7.24	28.25	48.28	61.98	0.67	69.33	3126	28179 *
Seed Consultants	SCS 11HR21™	111	31.45	25.57	* 8.95	* 7.32	27.92	* 47.28	* 61.35	0.68	69.53	3151	28073 *
Seed Consultants	SCS 11HR63™	115	33.03	26.33	* 9.21	* 6.89	29.10	50.62	61.37	0.66	67.72	3005	27601 *
Pioneer	P1319HR	113	33.07	25.79	* 9.03	* 7.46	28.49	48.19	60.74	0.66	67.88	3024	27038
Hubner Seed	H5420RC3P	110	32.43	24.78	8.67	7.22	28.26	47.35	59.07	0.67	68.64	3103	26803
Augusta	5262GTCBLL	112	33.32	24.97	8.74	7.53	* 27.31	* 45.80	* 57.88	0.67	67.88	3052	26619
Pioneer	P1449XR	114	29.79	23.12	8.09	7.77	* 27.51	* 47.73	65.86	* 0.69	* 71.60	* 3266	* 26352
Augusta	A5465GTCBLL	115	33.37	24.86	8.70	7.62	* 28.09	47.48	60.41	0.66	67.95	3033	26254
Channel	214-14VT3PRIB	114	33.84	24.49	8.57	7.48	* 26.74	* 45.34	* 57.61	0.67	68.08	3067	26250
Pioneer	P1498CHR	114	32.84	24.51	8.58	7.42	28.49	48.01	60.77	0.67	68.43	3064	26211
Hubner Seed	H5867RC3P	115	31.00	24.24	8.48	7.34	27.70	* 48.28	58.83	0.67	68.10	3063	25810
Masters Choice	MCT 6583	115	31.99	23.72	8.30	7.61	* 27.30	* 48.47	61.02	0.67	68.76	3093	25643
Seed Consultants	SC 11AQ72™	117	31.76	23.82	8.34	7.39	28.62	49.48	62.11	0.66	68.31	3043	25248
Masters Choice	MCT 6753	117	31.39	22.52	7.88	7.23	28.76	49.38	61.17	0.66	68.12	3035	23833
Site Average			32.29	25.14	8.80	7.38	27.99	47.92	60.74	0.67	68.63	3083	26997
LSD (0.10)			1.64	2.09	0.73	0.31	1.25	1.99	1.40	0.01	1.03	82	2089
C.V.			6.02	9.78	9.78	4.93	5.33	4.94	2.74	2.25	1.78	3	9

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 11. Three-Year Average Corn Silage Test Results (2012, 2013 & 2014) at the Northern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%		ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Channel	218-73VT3PRIB	118	29.92	23.05	* 8.07	* 7.65	* 27.74	* 49.14	58.81	0.66	67.94	3036	24556 *
Seed Consultants	SCS 11HR21™	111	28.82	22.04	* 7.71	* 7.53	* 28.03	* 48.71	61.99	* 0.68	* 69.79	* 3147	* 24198 *
Doebler's	RPM® 743HXR™	116	28.44	21.96	* 7.69	* 7.63	* 28.98	50.37	62.17	* 0.66	68.86 *	3068	23695 *
Seed Consultants	SCS 11HR63™	115	29.74	22.55	* 7.89	* 7.16	29.59	52.06	61.29	* 0.65	67.74	2990	23595 *
Channel	214-14VT3PRIB	114	30.52	21.21	7.43	7.67	* 27.30	* 46.71 *	58.46	0.67	68.61	3087	* 22876
Pioneer	P1498CHR	114	29.67	21.27	7.45	7.61	* 28.82	49.06	60.94	* 0.67	68.70	3069	22790
Seed Consultants	SC 11AQ72™	117	29.16	20.73	7.26	7.73	* 28.71	50.31	61.94	* 0.66	68.52	3046	22013
Masters Choice	MCT 6753	117	28.67	19.57	6.85	7.54	* 29.25	51.25	61.75	* 0.66	68.38	3029	20712
	Site Average		29.37	21.55	7.54	7.56	28.55	49.70	60.92	0.66	68.57	3059	23054
	LSD (0.10)		1.32	1.36	0.47	0.24	1.02	1.86	1.39	0.01	0.94	71	1561
	C.V.		6.50	9.04	9.04	4.54	5.19	5.41	3.31	2.36	1.97	3	10

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 12. 2014 Corn Silage Test Results at the Southern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%-----			Mcal/lb	%	lb milk/ton	lb milk/acre	
Doebler	RPM® 689AMXT™	113	26.92	20.91 *	7.32 *	7.46 *	31.66 *	55.43 *	61.69 *	0.66 *	69.78 *	3066 *	22393 *
Doebler	RPM® 743HXR™	116	26.63	20.35 *	7.12 *	7.24 *	31.06 *	54.43 *	61.08 *	0.67 *	70.18 *	3111 *	22187 *
Channel	214-14VT3PRIB	114	27.34	19.77 *	6.92 *	7.95 *	29.48 *	52.47 *	60.34 *	0.67 *	70.33 *	3139 *	21715 *
Hubner Seed	H5420RC3P	110	26.75	19.42 *	6.80 *	7.34 *	30.72 *	54.03 *	61.72 *	0.67 *	70.79 *	3150 *	21423 *
Doebler	RPM® 647AM1™	110	28.23	19.22 *	6.73 *	7.41 *	29.15 *	51.88 *	60.73 *	0.68 *	70.95 *	3185 *	21416 *
Seed Consultants	SCS 11HR63™	115	25.64	20.16 *	7.05 *	6.84 *	33.41 *	58.03 *	61.46 *	0.65 *	69.28 *	3021 *	21289 *
Pioneer	P1319HR	113	27.14	19.56 *	6.85 *	7.66 *	30.59 *	53.65 *	61.52 *	0.67 *	70.35 *	3120 *	21278 *
Masters Choice	MCT 6753	117	26.89	19.72 *	6.90 *	7.71 *	31.01 *	53.76 *	60.19 *	0.66 *	69.34 *	3057 *	21123 *
Channel	218-73VT3PRIB	118	27.90	19.66 *	6.88 *	7.20 *	30.37 *	54.65 *	59.16 *	0.66 *	69.13 *	3055 *	21031 *
Pioneer	P1105AMX	111	25.74	18.99 *	6.65 *	7.28 *	30.82 *	53.40 *	60.94 *	0.67 *	70.48 *	3139 *	20873 *
Seed Consultants	SC 11AGT74™	116	26.47	19.59 *	6.86 *	7.32 *	31.77 *	55.68 *	61.55 *	0.65 *	69.42 *	3038 *	20843 *
Doebler	5815GRQ	118	26.73	18.61 *	6.51 *	7.35 *	30.67 *	54.29 *	61.04 *	0.67 *	70.06 *	3102 *	20152 *
Seed Consultants	SCS 11HR21™	111	24.83	18.45 *	6.46 *	6.95 *	31.62 *	55.09 *	61.76 *	0.67 *	70.43 *	3117 *	20140 *
Pioneer	P1498CHR	114	27.02	18.04 *	6.31 *	7.15 *	31.04 *	55.02 *	62.21 *	0.67 *	71.14 *	3170 *	20083 *
Seed Consultants	SC 11AQ35™	112	27.00	18.33 *	6.42 *	7.62 *	30.01 *	52.69 *	60.44 *	0.67 *	70.20 *	3126 *	20071 *
Channel	215-83STXRIB	115	25.60	18.76 *	6.57 *	7.00 *	33.77 *	56.65 *	62.05 *	0.66 *	69.61 *	3043 *	19955 *
Hubner Seed	H4663RC2P	113	26.57	18.41 *	6.44 *	7.62 *	30.30 *	53.67 *	60.25 *	0.67 *	69.80 *	3095 *	19935 *
NK	N79Z 3111 Brand	115	26.73	18.54 *	6.49 *	7.19 *	31.16 *	55.21 *	61.15 *	0.66 *	69.76 *	3073 *	19933 *
Seed Consultants	SC 11AQ72™	117	25.78	18.42 *	6.45 *	7.31 *	31.59 *	55.47 *	61.93 *	0.66 *	69.85 *	3067 *	19731 *
Seed Consultants	SCS 1131AM-R™	112	24.85	18.41 *	6.44 *	7.71 *	32.81 *	56.69 *	63.58 *	0.66 *	70.12 *	3057 *	19673 *
Doebler	RPM® 5315AMXT™	113	25.58	18.00 *	6.30 *	7.68 *	30.69 *	53.71 *	62.08 *	0.67 *	70.45 *	3118 *	19639 *
Pioneer	P1690AM	116	26.42	18.37 *	6.43 *	7.08 *	32.31 *	55.08 *	61.10 *	0.66 *	69.33 *	3040 *	19507 *
Seed Consultants	SCS 11AGT43™	113	26.16	18.40 *	6.44 *	7.78 *	31.83 *	55.62 *	60.79 *	0.65 *	69.02 *	3019 *	19417 *
Pioneer	P2088AMX	120	25.13	18.19 *	6.37 *	7.34 *	33.23 *	56.44 *	61.93 *	0.66 *	69.69 *	3051 *	19412 *
Seed Consultants	SC 11AQ15™	111	25.61	17.85 *	6.25 *	6.93 *	31.31 *	55.22 *	60.59 *	0.66 *	69.77 *	3083 *	19246 *
Pioneer	P1449XR	114	24.70	17.86 *	6.25 *	7.72 *	31.74 *	55.79 *	61.74 *	0.66 *	69.78 *	3063 *	19182 *
Hubner Seed	H5867RC3P	115	26.41	18.16 *	6.35 *	7.24 *	31.55 *	55.02 *	60.09 *	0.65 *	68.55 *	2992 *	19114 *
NK	N83D 3000GT Brand	117	26.35	17.77 *	6.22 *	7.58 *	31.60 *	56.01 *	62.70 *	0.65 *	69.55 *	3028 *	18839 *
Doebler	5615GRQ	116	26.16	16.37 *	5.73 *	7.60 *	30.60 *	53.86 *	60.75 *	0.66 *	69.39 *	3052 *	17448 *

**Table 12. 2014 Corn Silage Test Results at the Southern Piedmont Site, continued**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre	-----%				Mcal/lb	%	lb milk/ton	lb milk/acre
	Site Average		26.32	18.77	6.57	7.39	31.31	54.79	61.26	0.66	69.88	3082	20243
	LSD (0.10)		1.87	2.64	0.92	0.61	2.98	3.57	2.12	0.02	1.99	156	2978
	C.V.		4.68	9.29	9.28	5.47	6.32	4.32	2.29	2.38	1.89	3	10

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 13. Two-Year Average Corn Silage Test Results (2013 & 2014) at the Southern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Doeblers	RPM® 743HXR™	116	30.78	23.93 *	8.37 *	7.00	29.56 *	51.49 *	64.44 *	0.67 *	70.35 *	3131 *	26242 *
Seed Consultants	SCS 11HR21™	111	30.70	23.63 *	8.27 *	6.74	28.83 *	51.86 *	64.15 *	0.66 *	69.82 *	3095 *	25537 *
Channel	218-73V/T3PRIB	118	31.42	23.28 *	8.15 *	7.07	28.83 *	51.84 *	62.97 *	0.66 *	69.56 *	3088 *	25246 *
Pioneer	P2088AMX	120	29.07	22.40 *	7.84 *	6.77	31.18	53.85	65.39 *	0.67 *	70.53 *	3125 *	24623 *
Seed Consultants	SCS 11HR63™	115	30.35	23.38 *	8.18 *	6.65	31.31	54.20	62.11	0.65	68.21	2988	24546 *
Seed Consultants	SCS 1131AM-R™	112	29.27	22.86 *	8.00 *	7.16	30.66	53.83	64.66 *	0.66 *	69.71 *	3065 *	24510 *
Seed Consultants	SC 11AQ72™	117	29.73	22.52 *	7.88 *	7.11	29.96 *	52.62 *	63.74 *	0.66 *	69.73 *	3086 *	24347 *
Pioneer	P1319HR	113	29.97	21.82	7.64	7.29	29.90 *	52.24 *	65.54 *	0.67 *	70.90 *	3159 *	24109 *
Masters Choice	MCT 6753	117	30.81	22.28 *	7.80 *	7.45 *	30.11 *	51.35 *	63.28	0.66 *	69.46 *	3075 *	24010 *
Pioneer	P1690AM	116	32.72	22.61 *	7.91 *	6.65	30.03 *	50.86 *	64.80 *	0.66	69.02	3034	23998 *
Hubner Seed	H5420RC3P	110	30.38	21.27	7.44	7.05	29.38 *	51.03 *	63.77 *	0.67 *	70.61 *	3161 *	23520
Pioneer	P1449XR	114	28.64	21.30	7.45	7.81 *	29.57 *	52.25 *	66.01 *	0.67 *	70.49 *	3125 *	23374
Pioneer	P1498CHR	114	29.94	21.21	7.42	7.05	29.92 *	52.97 *	64.05 *	0.67 *	70.50 *	3144 *	23360
Channel	214-14V/T3PRIB	114	30.27	20.79	7.28	7.58 *	28.75 *	49.73 *	61.30	0.67 *	69.92 *	3139 *	22848
Hubner Seed	H5867RC3P	115	29.76	20.77	7.27	7.16	30.07 *	52.46	62.12	0.66 *	68.96	3046 *	22239
	Site Average		30.25	22.27	7.79	7.10	29.87	52.17	63.89	0.67	69.85	3097	24167
	LSD (0.10)		1.41	1.84	0.64	0.43	1.65	2.02	2.30	0.02	1.63	116	2289
	C.V.		5.45	9.69	9.69	7.17	6.48	4.55	4.22	3.01	2.74	4	11

<sup>1</sup>Days 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. Hybrids are listed in descending order of lb milk/acre.

**Table 14. Three-Year Average Corn Silage Test Results (2012, 2013 & 2014) at the Southern Piedmont Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Doeblers	RPM® 743HXR™	116	29.15	18.01 *	6.30 *	8.24 *	30.78 *	52.68 *	62.13 *	0.64 *	67.46 *	2929 *	19320 *
Channel	218-73V/T3PRIB	118	29.91	17.64 *	6.17 *	8.05	30.90 *	53.70 *	59.60	0.63 *	66.29 *	2871 *	18626 *
Seed Consultants	SCS 11HR21™	111	29.15	17.43 *	6.10 *	7.95	30.01 *	52.27 *	61.21 *	0.64 *	67.55 *	2949 *	18501 *
Seed Consultants	SC 11AQ72™	117	28.64	17.08 *	5.98 *	8.24 *	31.29	53.63 *	59.38	0.63 *	66.02 *	2848 *	17949 *
Masters Choice	MCT 6753	117	29.93	17.02 *	5.96 *	8.40 *	31.06 *	52.51 *	59.64	0.64 *	66.42 *	2879 *	17892 *
Pioneer	P1498CHR	114	28.80	16.33	5.72	8.14 *	30.53 *	53.02 *	60.44 *	0.65 *	67.66 *	2965 *	17556
Seed Consultants	SCS 11HR63™	115	29.18	17.21 *	6.02 *	8.04	32.40	55.55	57.90	0.62	64.59	2758	17533
Channel	214-14V/T3PRIB	114	28.96	15.81	5.53	8.49 *	30.44 *	52.08 *	58.64	0.64 *	66.58 *	2908 *	16905
	Site Average		29.22	17.07	5.97	8.19	30.93	53.18	59.87	0.64	66.57	2888	18035
	LSD (0.10)		1.07	1.15	0.40	0.38	1.18	1.80	2.30	0.02	1.83	122	1549
	C.V.		5.29	9.81	9.80	6.70	5.51	4.92	5.57	3.93	3.99	6	12

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 15. 2014 Corn Silage Test Results at the Southwestern Virginia Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%		ton/acre	-----%-----			Mcal/lb	%	lb milk/ton	lb milk/acre	
Seed Consultants	SCS 11HR21™	111	56.97	30.43	* 10.65 *	7.38	* 29.36 *	* 48.88 *	* 63.54 *	0.59	* 62.59 *	* 2560 *	* 27237 *
Channel	218-73VT3PRIB	118	60.04	30.88	* 10.81 *	6.89	29.66	49.28	* 62.58 *	0.58	* 62.06 *	* 2520 *	* 27233 *
Seed Consultants	SC 11AQ72™	117	63.14	25.56	8.95	6.99	28.59	* 47.02 *	* 60.48 *	0.58	* 61.22 *	* 2508 *	* 22331 *
Dyna-Gro	D58QC72	118	53.83	26.41	9.24	6.98	29.49	* 48.68 *	* 60.82 *	0.56	59.59	2351	21764
Seed Consultants	SCS 1131AM-R™	112	62.63	25.54	8.94	7.46	* 28.85 *	* 47.60 *	* 60.87 *	0.56	59.81	2375	21261
Dyna-Gro	D55QC73	115	58.71	24.85	8.70	7.06	29.85	48.45	* 60.57 *	0.56	* 60.00 *	2395	20843
Seed Consultants	SC 11AGT74™	116	55.11	25.43	8.90	7.19	28.23	* 45.82 *	* 58.51 *	0.55	58.89	2326	20707
NK	N83D 3000GT Brand	117	56.05	24.39	8.54	7.38	* 29.30 *	* 47.51 *	* 60.22 *	0.57	* 60.19 *	2413	* 20645 *
Doebler's	RPM® 743HXR™	116	55.04	23.86	8.35	6.98	28.72	* 47.66 *	* 60.39 *	0.57	* 60.58 *	2443	* 20436 *
Masters Choice	MCT 6753	117	61.73	25.53	8.94	6.96	31.20	51.68	59.97	0.54	58.29	2254	20054
Dyna-Gro	D55VP77	115	57.77	21.58	7.55	6.75	27.00	* 45.14 *	* 62.13 *	0.59	* 62.16 *	* 2552 *	* 19254 *
Hubner Seed	H4663RC2P	113	61.82	22.59	7.90	6.88	29.48	* 49.83 *	* 61.86 *	0.57	* 60.75 *	* 2435 *	* 19206 *
Doebler's	5615GRQ	116	60.75	22.00	7.70	6.95	28.97	* 48.58 *	* 63.64 *	0.57	* 61.37 *	* 2466 *	* 18926 *
Seed Consultants	SCS 11HR63™	115	60.78	22.67	7.93	6.76	29.53	* 49.36 *	* 60.87 *	0.56	59.56	2353	18685
Doebler's	RPM® 5315AMXT™	113	63.57	21.80	7.63	7.30	32.08	56.01	63.25	* 0.56	60.65	* 2400	18342
Doebler's	5815GRQ	118	54.56	21.38	7.48	7.45	* 29.65 *	48.98	* 61.99 *	0.57	* 60.50 *	2419	* 18202 *
Hubner Seed	H5420RC3P	110	69.40	21.42	7.50	7.20	27.98	* 45.94 *	* 59.52 *	0.57	* 60.27 *	2426	* 18188 *
Hubner Seed	H5867RC3P	115	57.83	21.11	7.39	7.31	27.69	* 45.54 *	* 58.62 *	0.57	* 60.67 *	* 2461 *	* 18116 *
Seed Consultants	SCS 11AGT43™	113	67.34	22.43	7.85	7.23	30.80	54.18	62.13	0.54	58.83	2275	18015
Doebler's	RPM® 689AMXT™	113	61.12	20.83	7.29	7.74	* 29.32 *	* 50.17 *	* 60.99 *	0.56	* 59.95 *	2394	17567
Pioneer	P1690AM	116	65.10	20.82	7.29	7.12	30.34	50.73	* 60.82 *	0.56	59.84	2377	17319
NK	N75H 5122A Brand	114	57.54	21.45	7.51	6.51	32.60	57.09	61.58	0.54	58.50	2258	16990
Channel	215-83STXRIB	115	64.89	19.94	6.98	7.18	29.63	49.85	* 59.58 *	0.56	59.49	2366	16534
NK	N79Z 3111 Brand	115	59.36	19.00	6.65	6.84	30.17	51.24	* 62.59 *	0.57	* 60.89 *	* 2441 *	* 16237 *
Channel	214-14VT3PRIB	114	65.30	19.13	6.70	6.89	30.17	52.86	62.66	* 0.56	60.14	2380	15974
Doebler's	RPM® 647AM1™	110	71.10	18.29	6.40	7.44	* 27.94 *	* 47.38 *	* 63.34 *	0.57	* 61.18 *	* 2459 *	* 15772 *
Pioneer	P2088AMX	120	62.46	20.04	7.01	6.80	32.34	55.86	62.38	0.53	58.08	2211	15375
Seed Consultants	SC 11AQ15™	111	62.08	18.21	6.37	6.79	27.93	* 46.51 *	* 61.19 *	0.56	60.15	2391	15179
Seed Consultants	SC 11AQ35™	112	66.72	18.49	6.47	6.90	29.92	50.76	* 60.05 *	0.56	59.44	2349	15047
Pioneer	P1105AMX	111	69.54	16.47	5.76	7.28	28.67	* 51.36 *	* 63.88 *	0.57	* 61.34 *	* 2465 *	* 14217 *
Pioneer	P1449XR	114	56.88	16.57	5.80	7.47	* 30.86 *	54.14	65.72	* 0.55	59.89	2311	13461
Pioneer	P1319HR	113	61.71	15.27	5.35	6.61	28.94	* 48.81 *	* 61.45 *	0.56	* 60.68 *	* 2411	12882
Pioneer	P1498CHR	114	59.71	14.78	5.17	7.18	30.70	54.61	63.86	* 0.56	60.48	2373	12302



**Table 15. 2014 Corn Silage Test Results at the Southwestern Virginia Site, continued**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%		ton/acre			-----%-----		Mcal/lb	%	lb milk/ton	lb milk/acre
	Site Average		61.23	21.79	7.63	7.09	29.57	49.92	61.58	0.56	60.24	2397	18312
	LSD (0.10)		4.82	4.28	1.50	0.36	2.62	6.52	3.24	0.02	1.98	150	3727
	C.V.		6.13	15.35	15.35	4.33	7.51	11.06	4.45	3.21	2.56	5	16

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

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

Hybrids are listed in descending order of lb milk/acre.

**Table 16. Two-Year Average Corn Silage Test Results (2012 & 2013) at the Southwest Virginia Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006
		--Days--	%		ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Channel	218-73VT3PRIB	118	45.55	28.86	* 10.10	* 6.98	28.73	* 46.36	* 59.49	0.63	* 65.63	* 2851	* 28612
Seed Consultants	SC 11AQ72™	117	46.50	28.05	* 9.82	* 7.06	28.71	* 45.91	* 59.48	0.64	* 65.72	* 2871	* 28454
Seed Consultants	SCS 11HR63™	115	48.78	27.30	* 9.56	* 6.95	28.91	* 46.34	* 59.76	0.61	63.51	2681	26089
Seed Consultants	SCS 1131AM-R™	112	48.74	26.57	* 9.30	* 7.34	* 28.85	* 46.23	* 59.06	0.61	63.42	2683	25032
Doeblers	RPM® 743HXR™	116	46.06	25.86	* 9.05	* 6.76	28.79	* 46.43	* 59.10	0.61	63.46	2682	24373
Pioneer	P2088AMX	120	50.63	26.29	* 9.20	* 6.88	29.55	* 49.40	* 59.13	0.59	61.73	2539	23960
Hubner Seed	H5420RC3P	110	52.94	24.76	8.67	7.02	28.51	* 46.24	* 58.48	0.61	63.09	2662	23368
Pioneer	P1690AM	116	50.86	24.76	8.66	6.90	29.59	* 48.39	* 59.24	0.60	62.97	2642	23155
Seed Consultants	SCS 11HR21™	111	41.65	23.52	8.23	7.57	* 29.66	* 47.85	* 59.85	0.63	* 64.97	* 2810	* 22946
Hubner Seed	H5867RC3P	115	46.13	23.29	8.15	7.07	28.70	* 46.36	* 58.17	0.61	63.34	2681	21977
Pioneer	P1498CHR	114	46.61	22.01	7.70	7.19	29.48	* 49.22	* 61.43	0.61	64.28	* 2719	* 21549
Pioneer	P1449XR	114	46.65	21.38	7.48	7.36	* 29.53	* 50.61	64.99	* 0.60	64.41	* 2689	20909
Channel	214-14VT3PRIB	114	51.48	22.25	7.79	6.85	29.33	* 48.90	* 59.45	0.60	62.95	2638	20764
Pioneer	P1319HR	113	48.02	20.63	7.22	6.65	29.58	* 48.96	* 61.08	0.61	63.88	* 2682	19915
	Site Average		47.90	24.68	8.64	7.04	29.14	47.66	59.91	0.61	63.81	2702	23650
	LSD (0.10)		3.17	3.12	1.09	0.31	1.89	4.25	2.40	0.02	2.18	161	2950
	C.V.		7.47	14.24	14.24	5.20	7.64	10.50	4.71	4.45	3.86	7	14

<sup>1</sup>Days 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.

Hybrids are listed in descending order of lb milk/acre.

**Table 17. Three-Year Average Corn Silage Test Results (2011, 2012 & 2013) at the Southwest Virginia Site**

Brand	Hybrid	DTM <sup>1</sup>	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE <sub>L</sub>	TDN	Milk2006	Milk2006	
		--Days--	%		ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre	
Seed Consultants	SCS 11HR63™	115	44.77	27.63	* 9.67	* 7.17	28.68	* 45.97	* 58.42	* 0.62	64.63	2773	27177	*
Seed Consultants	SC 11AQ72™	117	42.72	26.13	* 9.15	* 7.41	* 28.20	* 45.40	* 58.40	* 0.65	* 66.47	* 2928	* 26878	*
Channel	218-73VT3PRIB	118	42.99	26.47	* 9.26	* 7.19	27.77	* 45.07	* 57.66	* 0.64	* 66.00	* 2889	* 26605	*
Seed Consultants	SCS 11HR21™	111	39.81	25.32	* 8.86	* 7.57	* 28.92	* 46.27	* 58.22	* 0.64	* 66.00	* 2893	* 25583	*
Doebler's	RPM® 743HXR™	116	42.77	25.26	* 8.84	* 7.07	28.21	* 45.31	* 57.74	* 0.63	64.98	* 2808	24857	*
Channel	214-14VT3PRIB	114	47.66	23.47	8.22	7.09	28.18	* 46.88	* 57.32	0.62	63.88	2724	22599	
Pioneer	P1498CHR	114	43.40	21.36	7.48	7.33	* 28.78	* 47.62	* 59.30	* 0.63	65.33	* 2819	* 21457	
	Site Average		43.45	25.09	8.78	7.26	28.39	46.07	58.15	0.63	65.33	2834	25022	
	LSD (0.10)		2.24	2.77	0.97	0.26	1.22	2.69	1.87	0.02	1.57	113	2775	
	C.V.		7.17	15.35	15.35	5.10	6.17	8.39	4.60	3.63	3.36	6	15	

<sup>1</sup>Days 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. Hybrids are listed in descending order of lb milk/acre.

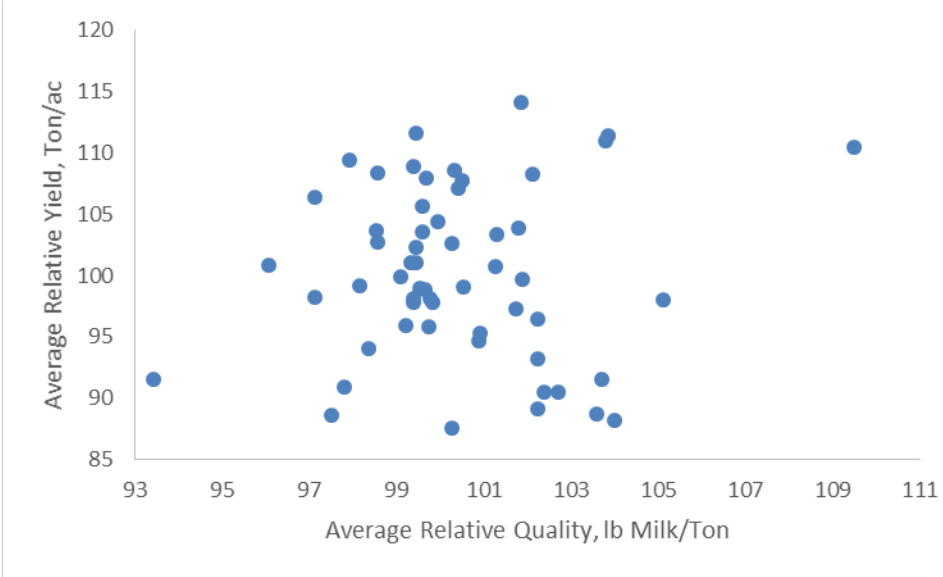
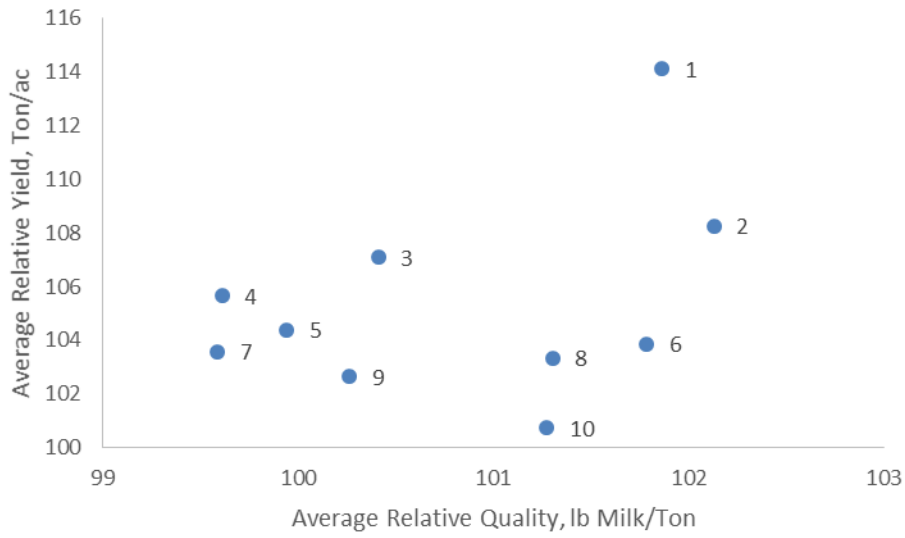


Figure 1. Average relative yield versus quality across sites, 2014



Point	Brand	Hybrid
1	Channel	218-73VT3PRIB
2	T.A. Seeds	TA765-30
3	Doebblers	RPM® 743HXR™
4	Hubner Seed	H4663RC2P
5	Pioneer	P2088AMX
6	Seed Consultants	SCS 11HR21™
7	Seed Consultants	SCS 1131AM-R™
8	Seed Consultants	SC 11AQ72™
9	NK	N83D 3000GT Brand
10	NK	N79Z 3111 Brand

Figure 2. High Yielding and High Quality Hybrids in at Least 3 Site/Year Combinations in 2014