

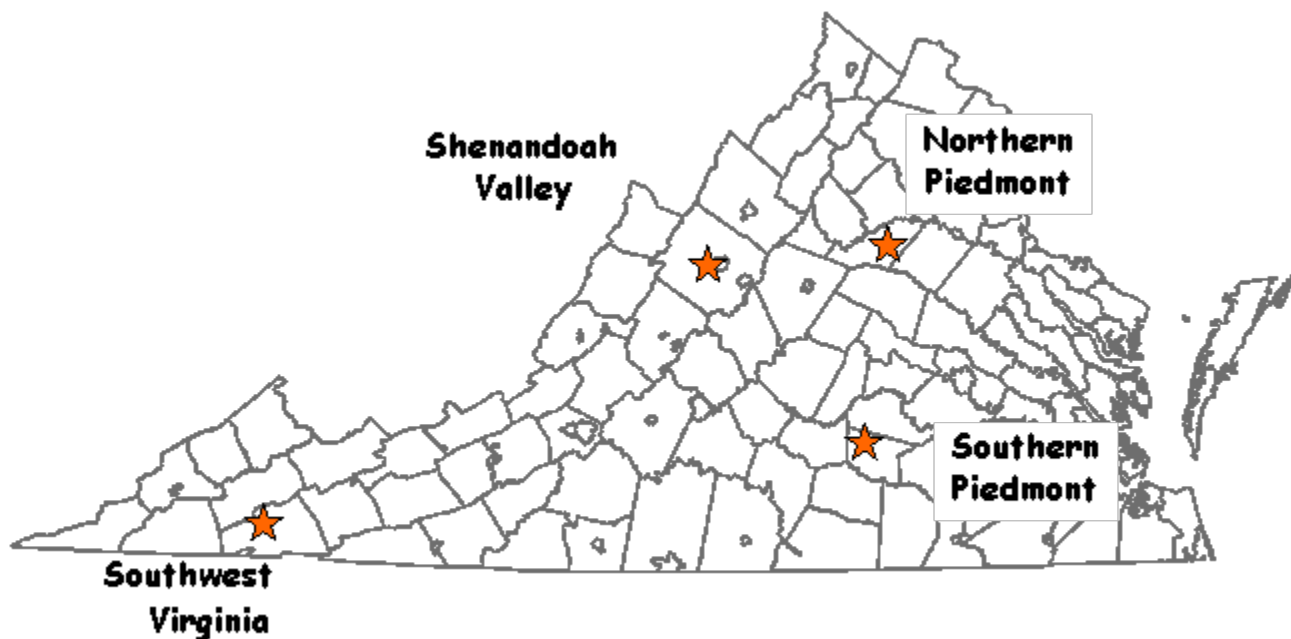


Virginia Cooperative Extension

Virginia Tech • Virginia State University

www.ext.vt.edu

Virginia Tech Corn Silage Testing 2015



THE 2015 VIRGINIA CORN SILAGE HYBRID TRIALS

Table of Contents.....	
Companies participating in the 2015 Corn Silage Hybrid Trials.....	1
2015 Corn Silage Hybrid Trials Narrative.....	1
2015 Corn Silage Plot Information	4
Table 1. List of Hybrids in 2015 VA Tech Corn Silage Hybrid Test.....	6
Table 2. Bt Corn Insect Traits.....	8
Table 3. Multi-year, Multi-site Relative Ton per Acre (Yield).....	10
Table 4. Multi-year, Multi-site Relative Milk per Ton (Quality)	12
Table 5. Multi-year, Multi-site Relative Milk per Acre (Yield x Quality)	16
Table 6. 2015 Corn Silage Test Results at the Shenandoah Valley Site.....	18
Table 7. Two Year Average Corn Silage Test Results (2014 and 2015) at the Shenandoah Valley Site	20
Table 8. Three Year Average Corn Silage Test Results (2013, 2014 and 2015) at the Shenandoah Valley Site.....	21
Table 9. 2015 Corn Silage Test Results at the Northern Piedmont Site.....	22
Table 10. Two Year Average Corn Silage Test Results (2014 and 2015) at the Northern Piedmont Site	23
Table 11. Three Year Average Corn Silage Test Results (2013, 2014 and 2015) at the Northern Piedmont Site..	24
Table 12. 2015 Corn Silage Test Results at the Southern Piedmont Site	25
Table 13. Two Year Average Corn Silage Test Results (2014 and 2015) at the Southern Piedmont Site	26
Table 14. Three Year Average Corn Silage Test Results (2013, 2014 and 2015) at the Southern Piedmont Site..	27
Table 15. 2015 Corn Silage Test Results at the Southwest Site.....	28
Table 16. Two Year Average Corn Silage Test Results (2014 and 2015) at the Southwest Site	29
Table 17. Three Year Average Corn Silage Test Results (2013, 2014 and 2015) at the Southwest Site.....	30
Figure 1. Average Relative Yield versus Quality across Sites, 2015	32
Figure 2. High Yielding and High Quality Hybrids in at Least 3 Site/Year Combinations in 2015	33

THE 2015 VIRGINIA CORN SILAGE HYBRID TRIALS

Coordinated by H. Behl, E. Rucker, and W. Thomason
Department of Crop and Soil Environmental Sciences
Virginia Tech, Blacksburg, VA
Other contributors: David Yutzy; Doug Horn; Steve Gulick;
Chris Teutsch; Ned Jones; Phil Blevins; Johnny Robinson.

COMPANIES PARTICIPATING IN THE 2015 CORN SILAGE TRIALS

Company	Brand	Address
AgriGold Hybrids	AgriGold Hybrids	5381 Akin Rd., St. Francisville, IL 62460
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
Crop Production Services Church,	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens VA 23148-0409
Doebler's PA Hybrids, Inc.	Doeblers® and RPM®	202 Tiadaghton Ave., Jersey Shore, PA 17740
Dupont Pioneer	Pioneer	59 Greif Pkwy, Delaware, OH 43015
King's Agriseeds, Inc.	Masters Choice	60 North Ronks Rd. Suite K, Ronks, PA 17572-9645
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 2015 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 2015, 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 (pounds 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.

2015 VIRGINIA CORN SILAGE PLOT INFORMATION
(Rates are on a per acre basis.)

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 17, 2015 no-till into soybean stubble

Harvested: August 12, 2015

Pesticide: 5 lb Force 3G® at planting; 2 qt Roundup® + 4 qt Lexar® April 17, 2015

Fertilizer: 1000 lb 10-10-10 preplant incorporated April 16, 2015; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 80 lb N top-dressed using UAN May 19, 2015

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

Soil Type: Sandy loam

Cooperator: Ned Jones

Orange Northern Piedmont Agricultural Research & Extension Center

Planted: April 28, 2015 no-till into soybean stubble

Harvested: August 13, 2015

Pesticide: 5 lb Force 3G® at planting; 1 pt Atrazine 4L + 2 qt Gramaxone® + 3.5 qt Lexar EZ April 24, 2015

Fertilizer: 30-80-60 April 24, 2015; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 100 lb N side-dressed June 1, 2015

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

Soil Type: Starr

Cooperators: Steve Gulick

Shenandoah Valley (Timberville - Thanks to Windcrest Dairy)

Planted: May 13, 2015 No-till into rye chop stubble

Harvested: September 1, 2015

Pesticide: 5 lb Force 3G® at planting; 1.0 lb Atrazine DF + 1 qt glyphosate + 4.5 oz Corvus + 5 oz 2,4-D ester pre-plant; 0.3 oz Accent® Q post-emergence

Fertilizer: Preplant broadcast 6000 gal dairy slurry; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting

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

Soil Type: Edom silty clay loam

Cooperators: Jeremy Daubert, Doug Horn and David Yutzy

Washington County (Thanks to Johnny Robinson)

Planted: May 11, 2015

Harvested: September 18, 2015

Pesticide: 5 lb Force 3G® at planting; 30 oz glyphosate + 3 qt Lumax® plus 1 qt atrazine post planting; 8 oz Yukon (halosulfuron + dicamba) post-emergence

Fertilizer: 100-40-40 preplant on May 7, 2015; 90 lb N side-dressed at V7 – V9

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 2015 VA Tech Corn Silage Hybrid Test

BRAND	HYBRID	Trait Group¹	DTM²	Obs³	Insecticide
AgriGold	A6458VT3PRIB	23	110	2	Poncho 500®
AgriGold	A6499STXRIB	24	112	2	Poncho 500®
AgriGold	A6517VT3PRIB	23	113	2	Poncho 500®
AgriGold	A6542STX	24	113	2	Poncho 500®
AgriGold	A6573VT3PRIB	23	114	2	Poncho 500®
AgriGold	A6574VT2PRO	22	114	2	Poncho 500®
Augusta	A5462	2	112	2	Cruiser 250®
Augusta	A5262	2	112	1	Cruiser 1250®
Augusta	A4363	22 no RIB	113	3	Cruiser 250®
Augusta	7664VT3PRO	23 no RIB	114	1	Cruiser 250®
Augusta	A7664A	23 no RIB	114	1	Cruiser 250®
Augusta	A5664	2	114	1	Cruiser 250®
Augusta	A5566	GTCBLL	115	1	Cruiser 250®
Augusta	A5465	GTCBLL	115	1	Cruiser 1250®
Augusta	A6867	2	117	1	Cruiser 250®
Augusta	8868VT3PRO	23 no RIB	118	4	Cruiser 250®
Augusta	A6968	RR	118	1	Cruiser 250®
Augusta	A7768	3110GT	118	3	Cruiser 1250®
Augusta	A6969	HXRR	119	4	Cruiser 250®
Channel	214-45DGV2PRIB	22 + DroughtGard	114	4	Poncho 500®
Channel	215-05STXRIB	24	115	4	Poncho 500®
Channel	217-41DGV2PRIB	22 + DroughtGard	117	4	Poncho 500®
Channel	218-73VT3PRIB	23	118	4	Poncho 500®
Doebler	RPM® 604HRQ™	11	108	4	Cruiser 250®
Doebler	RPM® 687AM™	16	113	4	Cruiser 250®
Doebler	Doebler® 5615GRQ™	2	116	4	Cruiser 250®
Doebler	Doebler® 5815GRQ™	2	118	4	Cruiser 250®
Dyna-Gro	D53VC47	22 no RIB	113	2	Poncho 500®
Dyna-Gro	D54DC94	22 no RIB + DroughtGard	114	2	Poncho 500®
Dyna-Gro	D58QC72	4	118	2	Poncho 500®
Masters Choice	MC 6150	conventional	111	3	Cruiser 250®
Masters Choice	MCT 6153	2	111	3	Cruiser 250®
Masters Choice	MC 6360	conventional	113	3	Cruiser 250®
Masters Choice	MC 6470	conventional	114	3	Cruiser 250®
NK	N79Z-3111	5	114	2	Avicta® Complete 500 + Vibrance
NK	N83D-3000GT	2	116	2	Avicta® Complete 500 + Vibrance
Pioneer	P1105AMX	19	111	4	Poncho 1250®
Pioneer	P1319HR	10	113	4	Poncho 1250®
Pioneer	P1498CHR	12	114	4	Poncho 1250®
Pioneer	P1637AM	16	116	3	Poncho 1250®
Pioneer	P2088AMX	19	120	4	Poncho 1250®
Seed Consultants	SCS 1085AM™	16	107	4	Poncho 500®
Seed Consultants	SCS 11HR21™	10	111	4	Cruiser 250®

Table 1. List of Hybrids in the 2015 VA Tech Corn Silage Hybrid Test

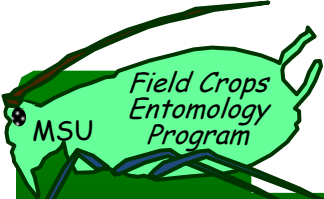
BRAND	HYBRID	Trait Group¹	DTM²	Obs³	Insecticide
Seed Consultants	SCS 1125AM™	16	111	4	Poncho 500®
Seed Consultants	SCS 1131AM™	16	112	4	Cruiser 250®
Seed Consultants	SC 11AGT43™	GTCBLL	113	4	Poncho 1250®
Seed Consultants	SCS 11HR63™	10	115	4	Poncho 1250®
Seed Consultants	SC 11AGT74™	GTCBLL	116	4	Poncho 1250®
Seed Consultants	SC 11AQ72™	2	117	4	Poncho 1250®
T.A. Seeds	TA780-13VPRIB	23	116	1	Cruiser 250®
T.A. Seeds	TA784-13VPRIB	23	118	1	Cruiser 250®

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.



Handy Bt Trait Table

CDD #028
Updated
April 2014

Chris DiFonzo, Michigan State University, East Lansing, MI
&
Eileen Cullen, University of Wisconsin, Madison, WI

The most up-to-date
version of this
bulletin is posted at:
www.msuent.com

Many corn hybrids contain multiple transgenic traits and seed costs are rising. Meanwhile, refuge requirements dramatically for multi-trait corn, generally dropping from 20% to 10% or 5%, depending on the trait package and company. Some traits still require a structured refuge planted as a block or series of rows, but many hybrids are now sold as refuge-in-the-bag (RIB). Purchasing the right trait package for your pest spectrum, and understanding its refuge requirement, is critical to maximizing profitability and delaying resistance. But this process may be confusing. The table on page 2 of this bulletin summarizes, to the best of our ability, currently available Bt traits, their spectrum of control, and refuge requirements. We make every attempt to provide up-to-date information for each Bt option. However, it is still important for you to take the following steps:

- *Understand the **terminology** used by your seed company;
- *Understand the **biology** of each trait, the expected level of control, and refuge requirements;
- ***Confirm that the seed you ordered the previous year** is the seed delivered to you in spring;
- *Keep good **planting records**;
- *For herbicide applications, **Ask Twice-Spray Once**, especially if you hire a custom applicator;
- *Save a representative sample of **bag tags** = the first thing to check if something goes wrong;
- *Most important, if you see **unexpected damage or poor performance** of a trait during the field season, contact your seed dealer immediately so that the field can be visited while the problem is still visible and fresh samples can be taken.

Abbreviations used in the Bt Trait Table

Herbicide traits

GT glyphosate tolerant
LL Liberty Link
(glufosinate-tolerant)
RR2 Roundup Ready 2
(glyphosate-tolerant)

Insect targets

BCW black cutworm
CEW corn earworm
ECB European corn borer
FAW fall armyworm
RW corn rootworm
SB stalk borer
WBC western bean cutworm



NEW Cheat Sheet ----- Event names for proteins expressed in Bt plants

Target or Activity	Protein(s) expressed	Event	Trade name
corn borer	Cry1Ab	MON 810	YieldGard CB
corn borer + glufosinate tolerance	Cry1Ab + PAT	Bt11	Agrisure CB/LL
corn borer + glufosinate tolerance	Cry1F + PAT	TC1507	Herculex 1 or CB
broad leaved control	Vip3Aa	MIR162	Agrisure Viptera
broad leaved control	Cry1A.105 + Cry2Ab2	MON89034	Yieldgard VT Pro
rootworm	eCry3.1Ab	5307	Agrisure Duracade
rootworm	mCry3A	MIR604	Agrisure RW
rootworm	Cry3Bb1 + CP4 EPSPS	MON88017	YieldGard VT RW
rootworm + glufosinate tolerance	Cry34Ab1/Cry35Ab1 + PAT	DAS-59122-7	Herculex RW
glyphosate tolerance	⁸ mEPSPS	GA21	Roundup Ready
glyphosate tolerance	CP4 EPSPS	NK603	Roundup Ready 2

DiFonzo&Cullen's Handy Bt trait table Updated April 2014	Bt protein(s)	Insects controlled (bold) or suppressed (<i>italics</i>) Above-ground-----In soil	Herbicide tolerant?	Refuge %, location in the MIDWEST	
Agrisure Trait Family					
1-Agrisure CB/LL/RW	Cry1Ab mCry3A	ECB CEW FAW SB	RW	LL	20% in field/adjacent
2-Agrisure 3000GT	Cry1Ab mCry3A	ECB CEW FAW SB	RW	GT LL	20% in field/adjacent
3-Agrisure Artesian 3011A	Cry1Ab mCry3A	ECB CEW FAW SB	RW	GT LL	20% in field/adjacent
4-Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW WBC SB	---	GT LL	20% within ½ mile
5-Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW CEW ECB FAW WBC SB	RW	GT LL	20% in field/adjacent
6-Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	GT	5% <i>in the bag</i>
7-Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW WBC SB	---	GT	5% <i>in the bag</i>
8-Agrisure Duracade 5122	Cry1Ab Cry1F mCry3A eCry3.1Ab	BCW CEW ECB FAW WBC SB	RW	GT LL	5% <i>in the bag</i>
9-Agrisure Duracade 5222	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	BCW CEW ECB FAW WBC SB	RW	GT LL	5% <i>in the bag</i>
Herculex Trait Family					
10-Herculex 1 (HX1)	Cry1F	BCW ECB FAW WBC CEW SB	---	LL	20% within ½ mile
11-Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	RR2 (most)	20% in field/adjacent
Optimum Trait Family					
12-Optimum TRIssect	Cry1F mCry3A	BCW ECB FAW WBC CEW SB	RW	LL RR2	20% in field/adjacent
13-Optimum Intrasect	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	LL RR2	5% within ½ mile
14-Optimum Intrasect XTra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	LL RR2	20% in field/adjacent
15-Optimum Intrasect XTreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	LL RR2	5% in field/adjacent
16-Optimum (AM) AcreMax	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	RR2	5% <i>in the bag</i>
17-Optimum (AMRW) AcreMax Rootworm	Cry34/35Ab1	---	RW	RR2	10% <i>in the bag</i>
18-Optimum (AM1) AcreMax1	Cry1F Cry34/35Ab1	BCW ECB FAW WBC CEW	RW	LL RR2	10% <i>in the bag (RW)</i> & 20% - ½ mile (CB)
19-Optimum (AMX) AcreMax Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	RR2	10% <i>in the bag</i>
20-Optimum (AMXT) AcreMax XTreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	RW	RR2	5% <i>in the bag</i>
YieldGard / Genuity Trait Family					
21-YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB CEW FAW SB	RW	RR2	20% in field/adjacent
22-Genuity VT Double PRO RIB Complete	Cry1A.105+Cry2Ab2	CEW ECB FAW	---	RR2	5% <i>in the bag</i>
23-Genuity VT Triple PRO RIB Complete	Cry1A.105+Cry2Ab2 Cry3Bb1	CEW ECB FAW	RW	RR2	10% <i>in the bag</i>
24-Genuity SmartStax RIB Complete	Cry1A.105+Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW SB WBC	RW	LL RR2	5% <i>in the bag</i>
Refuge Advanced Trait Family					
25-REFUGE ADVANCED Powered by SmartStax	Cry1A.105+Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW SB WBC	RW	LL RR2	5% <i>in the bag</i>

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									
			2015	2014	2015	2014	2015	2014	2015	2014											
			-----Relative Ton per Acre ³ -----																		
Channel	218-73VT3PRIB	118	107	*	118	*	103		106	*	109		105	*	111	*	142	*	113		8
Seed Consultants	SCS 11HR63™	115	103	*	117	*	118	*	106	*	119	*	107	*	123	*	104		112		8
Augusta	A6969	119	117	*			109	*			99				123	*			112		4
Dyna-Gro	D54DC94	114	117	*										106	*			112		2	
Augusta	8868VT3PRO	118	115	*	105		120	*	110	*	113	*			103	*			111		6
AgriGold	A6499STXRIB	112	117	*						103								110		2	
Augusta	A7664A	114	110	*														110		1	
Doeblers	RPM® 687AM™	113	113	*			100			110				108	*			108		4	
Seed Consultants	SCS 1125AM™	111	110	*			104			98				114	*			107		4	
Seed Consultants	SCS 11HR21™	111	88		102		106		106	*	107		98		100		140	*	106		8
Augusta	A6867	117	100		111													106		2	
T.A. Seeds	TA784-13VPRIB	118	101		111													106		2	
Seed Consultants	SC 11AGT74™	116	99		110		101		104		98		104	*	106	*	117		105		8
Pioneer	P1637AM	116					105			109				99				104		3	
Pioneer	P2088AMX	120	111	*	108		102		105		104		97		109	*	92		104		8
Dyna-Gro	D58QC72	118	106	*	78									107	*	122		103		4	
Seed Consultants	SCS 1131AM™	112	109	*	88		102		110	*	101		98		100		118		103		8
Augusta	A5262	112	93		118	*			97									103		3	
Masters Choice	MC 6150	111	107	*			95							105	*			102		3	
Augusta	A5465	115	93		110				101									102		3	
Augusta	A4363	113	123	*			92							90				102		3	
NK	N83D-3000GT	116	93		107		101		97				95				112	101		6	
Augusta	7664VT3PRO	114	90		110													100		2	
NK	N79Z-3111	114	101		109		98		108	*			99				88	100		6	
Pioneer	P1319HR	113	99		124	*	100		111	*	101		104	*	91		70	100		8	
Augusta	A6968	118	100															100		1	
Doeblers	RPM® 604HRQ™	108	103				103			91				101				99		4	
Doeblers	Doeblers® 5815GRQ™	118	103	*	80		101		101		106		99		106	*	99	99		8	
Channel	217-41DGV2PRIB	117	89				95			97				117	*			99		4	
AgriGold	A6517VT3PRIB	113	101							98								99		2	
Channel	215-05STXRIB	115	108	*			100			94				92				98		4	
Seed Consultants	SC 11AGT43™	113	101		110		95		92		97		98		89		103	98		8	
Seed Consultants	SC 11AQ72™	117	75		93		103		98		99		98		99		118	98		8	
Augusta	A7768	118	86				99							108	*			98		3	

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
			2015	2014	2015	2014	2015	2014	2015	2014		
-----Relative Ton per Acre ³ -----												
Seed Consultants	SCS 1085AM™	107	105	*	100		93		91		97	4
Masters Choice	MC 6470	114	99		82				107	*	96	3
Pioneer	P1105AMX	111	105	*	75	98	98	103	101	*	94	8
AgriGold	A6542STX	113	92					95			93	2
Pioneer	P1498CHR	114	94	93	101	97	96	96	101	68	93	8
AgriGold	A6458VT3PRIB	110	98					88			93	2
AgriGold	A6573VT3PRIB	114	84					102			93	2
Doeblers	Doeblers® 5615GRQ™	116	87	84	101	84	100	87	93	101	92	8
Masters Choice	MCT 6153	111	115	*	92				69		92	3
Augusta	A5462	112	85		99						92	2
Masters Choice	MC 6360	113	110	*	79				86		91	3
T.A. Seeds	TA780-13VPRIB	116	84	98							91	2
Channel	214-45DGV2PRIB	114	108	*	91		91		70		90	4
Augusta	A5664	114	89								89	1
AgriGold	A6574VT2PRO	114	95				83				89	2
Augusta	A5566	115	84	93		90					89	3
Dyna-Gro	D53VC47	113	83						84		83	2

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

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

³ Relative 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. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²								
			2015	2014	2015	2014	2015	2014	2015	2014										
			-----Relative Milk per Ton ³ -----																	
Seed Consultants	SCS 1125AM™	111	106	*		103		107	*		102		105	4						
Augusta	7664VT3PRO	114	99		110	*							104	2						
AgriGold	A6573VT3PRIB	114	106	*				101	*				104	2						
Dyna-Gro	D58QC72	118	99		106	*				108	*	98	103	4						
T.A. Seeds	TA784-13VPRIB	118	102	*	104	*							103	2						
Channel	214-45DGV2PRIB	114	104	*			102		106	*		99	103	4						
Augusta	A6867	117	101	*	104								103	2						
AgriGold	A6517VT3PRIB	113	104	*				102	*				103	2						
Augusta	A5566	115	100		107	*		101					102	3						
Augusta	A7768	118	101	*			98				108	*	102	3						
Seed Consultants	SCS 11HR21™	111	101	*	99		102	102	103	*	101	*	101	107	*	102	8			
Doeblers	Doeblers® 5615GRQ™	116	101	*	105	*	103	102	101	*	99		101	103	*	102	8			
Augusta	A6968	118	102	*												102	1			
Augusta	A7664A	114	101	*												101	1			
Augusta	A5462	112	101	*			101									101	2			
Seed Consultants	SC 11AQ72™	117	100	*	100		99	100	100	*	100	*	104	*	105	*	101	8		
Seed Consultants	SC 11AGT74™	116	105	*	101		101	101	104	*	99		99		97		101	8		
Channel	218-73VT3PRIB	118	103	*	102		98	100	101	*	99		99		105	*	101	8		
Augusta	A5465	115	104	*	102			97									101	3		
Augusta	A6969	119	100	*			98		100	*			105	*			101	4		
Masters Choice	MCT 6153	111	100	*			104	*					98				101	3		
NK	N79Z-3111	114	101	*	105	*	97	99			100	*			102	*	101	6		
AgriGold	A6542STX	113	99						102	*							101	2		
Pioneer	P2088AMX	120	103	*	100		99	103	*	105	*	99		103		92		101	8	
AgriGold	A6574VT2PRO	114	99						101	*							100	2		
Doeblers	Doeblers® 5815GRQ™	118	100		102		100	100	98		101	*	101		101	*	100	8		
NK	N83D-3000GT	116	101	*	102		98	100			98				101	*	100	6		
Pioneer	P1105AMX	111	100	*	95		104	*	101		97		102	*	98		103	*	100	8

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
			2015	2014	2015	2014	2015	2014	2015	2014		
-----Relative Milk per Ton ³ -----												
Augusta	8868VT3PRO	118	99	102	95	99	104	*	99		100	6
Masters Choice	MC 6470	114	102	*	100				97		100	3
Pioneer	P1319HR	113	102	*	98	102	96	96	101	*	101	8
Doebblers	RPM® 687AM™	113	98		99		100	*	100		100	4
Dyna-Gro	D53VC47	113	99						99		99	2
Pioneer	P1498CHR	114	100	104	*	101	99	93	103	*	97	8
Pioneer	P1637AM	116			100		99	*	99		99	3
Seed Consultants	SCS 11HR63™	115	101	*	99	102	99	98	*	98	99	8
Seed Consultants	SCS 1131AM™	112	98	95		99	101	103	*	99	99	8
Channel	217-41DGV2PRIB	117	96			101		100	*	98	99	4
Masters Choice	MC 6360	113	98			100				98	99	3
Channel	215-05STXRIB	115	100	*		96		103	*	95	99	4
Masters Choice	MC 6150	111	99			96				100	98	3
Augusta	A4363	113	101	*		99				95	98	3
Seed Consultants	SCS 1085AM™	107	98			101		95		99	98	4
Doebblers	RPM® 604HRQ™	108	98			98		98	*	98	98	4
Dyna-Gro	D54DC94	114	96							99	98	2
AgriGold	A6499STXRIB	112	100	*				95			98	2
Seed Consultants	SC 11AGT43™	113	102	*	96	95	96	96	98	101	95	8
Augusta	A5664	114	96								96	1
T.A. Seeds	TA780-13VPRIB	116	93	97							95	2
AgriGold	A6458VT3PRIB	110	101	*				89			95	2
Augusta	A5262	112	89	94		100					94	3

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

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

³ Relative Milk per 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.

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
			2015	2014	2015	2014	2015	2014	2015	2014		
			-----Relative Milk per Ton ³ -----									

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. ¹	Shenandoah Valley		Northern Piedmont		Southern Piedmont		Southwest / Mountain		Multi-Site Average	Number of Obs. ²
			2015	2014	2015	2014	2015	2014	2015	2014		
			-----Relative Milk per Acre ³ -----									
Channel	218-73VT3PRIB	118	110 *	120 *	101	106 *	110 *	104 *	110 *	150 *	114	8
Augusta	A6969	119	117 *		106		99		129 *		113	4
Seed Consultants	SCS 11HR63™	115	104	116 *	120 *	105 *	116 *	105 *	123 *	103	112	8
Seed Consultants	SCS 1125AM™	111	117 *		107		105		116 *		111	4
Augusta	8868VT3PRO	118	114 *	107	115 *	109 *	118 *		102		111	6
Augusta	A7664A	114	111 *								111	1
Dyna-Gro	D54DC94	114	112 *						106		109	2
T.A. Seeds	TA784-13VPRIB	118	102	115 *							109	2
Augusta	A6867	117	102	116 *							109	2
Seed Consultants	SCS 11HR21™	111	89	100	108	108 *	110 *	99	101	150 *	108	8
AgriGold	A6499STXRIB	112	118 *				98				108	2
Doeblers	RPM® 687AM™	113	111 *		100		110 *		108		107	4
Dyna-Gro	D58QC72	118	105 *	83					116 *	120 *	106	4
Seed Consultants	SC 11AGT74™	116	98	111 *	102	105 *	107 *	103 *	105	114 *	105	8
Augusta	7664VT3PRO	114	89	122 *							105	2
Pioneer	P2088AMX	120	114 *	109 *	101	109 *	109 *	96	112 *	85	104	8
Pioneer	P1637AM	116			105		107 *		96		103	3
Seed Consultants	SCS 1131AM™	112	107 *	84	102	110 *	103	97	98	117	102	8
Augusta	A5465	115	96	112 *		98					102	3
AgriGold	A6517VT3PRIB	113	104				99				102	2
Augusta	A6968	118	101								101	1
NK	N79Z-3111	114	102	114 *	96	107 *		98		89	101	6
Masters Choice	MC 6150	111	106 *		91				106		101	3
NK	N83D-3000GT	116	91	108	100	97		93		114 *	100	6
Augusta	A4363	113	124 *		92				86		100	3
Augusta	A7768	118	86		97				117 *		100	3
Doeblers	Doeblers® 5815GRQ™	118	103	81	101	101 *	104	100 *	106	100	99	8
Pioneer	P1319HR	113	101	122 *	101	107 *	96	105 *	92	71	99	8
Seed Consultants	SC 11AQ72™	117	75	93	103	98	99	97	103	123 *	99	8
Channel	217-41DGV2PRIB	117	85		96		97		115 *		98	4
Doeblers	RPM® 604HRQ™	108	100		101		89		100		97	4
Channel	215-05STXRIB	115	108 *		96		96		88		97	4
Augusta	A5262	112	81	111 *		98					96	3
AgriGold	A6573VT3PRIB	114	88				103				96	2

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
			2015	2014	2015	2014	2015	2014	2015	2014		
-----Relative Milk per Acre ³ -----												
Seed Consultants	SCS 1085AM™	107	103		101		88		90		95	4
Seed Consultants	SC 11AGT43™	113	103	105	91	88	94	96	89	99	95	8
Masters Choice	MC 6470	114	101		82				103		95	3
Pioneer	P1105AMX	111	105 *	72	102	99	100	103 *	93	78	94	8
Doeblers	Doeblers® 5615GRQ™	116	88	89	104	85	101	86	94	104 *	94	8
AgriGold	A6542STX	113	91				97				94	2
Augusta	A5462	112	85		100						93	2
Masters Choice	MCT 6153	111	115 *		96				68		93	3
Pioneer	P1498CHR	114	94	95	103	97	88	99	98	68	93	8
Channel	214-45DGV2PRIB	114	111 *		93		96		69		92	4
Augusta	A5566	115	83	99		91					91	3
Masters Choice	MC 6360	113	107 *		78				85		90	3
AgriGold	A6574VT2PRO	114	95				84				90	2
AgriGold	A6458VT3PRIB	110	98				78				88	2
T.A. Seeds	TA780-13VPRIB	116	78	95							87	2
Augusta	A5664	114	86								86	1
Dyna-Gro	D53VC47	113	83						83		83	2

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

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

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

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

* Indicates numbers 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. 2015 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
Augusta	A4363	113	51.34	32.66	*	11.43	7.24	29.67	51.36	62.63	* 0.55	* 59.63	* 2319	* 26789
AgriGold	A6499STXRIB	112	57.64	31.43	*	11.00	6.90	29.97	51.31	58.70	0.55	59.40	* 2309	* 25380
Seed Consultants	SCS 1125AM™	111	51.27	29.56	*	10.35	7.46	27.68	* 47.05	* 60.12	* 0.57	* 61.31	* 2445	* 25340
Augusta	A6969	119	53.41	31.37	*	10.98	6.88	30.32	52.02	60.41	* 0.54	59.43	* 2299	* 25210
Masters Choice	MCT 6153	111	54.52	30.73	*	10.76	7.03	30.14	51.59	61.67	* 0.54	59.46	* 2300	* 24744
Pioneer	P2088AMX	120	54.48	29.60	*	10.36	7.18	28.45	* 47.95	* 59.44	* 0.56	60.03	* 2381	* 24656
Augusta	8868VT3PRO	118	51.83	30.69	*	10.74	7.05	29.67	51.24	59.06	0.54	59.06	* 2283	* 24524
Dyna-Gro	D54DC94	114	51.80	31.39	*	10.98	6.61	31.72	53.33	60.97	* 0.53	57.94	2211	24239
Doebblers	RPM® 687AM™	113	52.01	30.28	*	10.60	7.29	28.97	* 50.89	61.82	* 0.54	58.70	* 2265	* 24028
Channel	214-45DGV2PRIB	114	59.99	28.80	*	10.08	7.60	26.65	* 46.02	* 58.05	0.56	* 59.87	* 2384	* 24027
Augusta	A7664A	114	53.36	29.33	*	10.26	7.30	28.44	* 49.19	* 57.80	0.55	* 59.80	* 2330	* 23907
Channel	218-73VT3PRIB	118	53.07	28.60	*	10.01	7.18	28.69	* 51.09	59.89	* 0.55	* 60.41	* 2360	* 23657
Channel	215-05STXRIB	115	53.36	28.78	*	10.07	7.31	29.03	* 50.19	61.42	* 0.55	* 59.24	* 2304	* 23244
Masters Choice	MC 6360	113	50.45	29.37	*	10.28	7.22	29.92	51.54	62.59	* 0.54	58.72	* 2252	23136
Seed Consultants	SCS 1131AM™	112	57.70	29.20	*	10.22	7.06	28.84	* 50.38	60.99	* 0.54	58.60	* 2263	23134
Masters Choice	MC 6150	111	57.61	28.61	*	10.01	6.85	30.86	52.38	57.66	0.54	59.06	* 2278	22821
Dyna-Gro	D58QC72	118	51.39	28.47	*	9.97	7.03	29.43	50.27	58.04	0.55	* 58.85	* 2289	22779
Pioneer	P1105AMX	111	52.88	28.04	*	9.82	6.73	30.89	52.72	62.41	* 0.54	59.62	* 2302	* 22617
Seed Consultants	SCS 11HR63™	115	52.66	27.62	*	9.67	7.39	28.39	* 49.13	* 57.94	0.55	* 59.15	* 2320	* 22520
AgriGold	A6517VT3PRIB	113	56.14	26.94	*	9.43	7.19	27.75	* 48.67	* 59.54	* 0.56	* 60.61	* 2385	* 22486
Doebblers	Doebblers® 5815GRQ™	118	51.45	27.63	*	9.67	6.97	29.61	51.62	60.78	* 0.54	59.31	* 2295	22218
Seed Consultants	SCS 1085AM™	107	59.14	28.00	*	9.80	7.29	29.08	* 50.75	61.63	* 0.54	58.59	2265	22172
Seed Consultants	SC 11AGT43™	113	52.84	27.02		9.46	7.02	30.30	51.58	61.89	* 0.55	* 59.97	* 2341	* 22161
T.A. Seeds	TA784-13VPRIB	118	52.28	26.97		9.44	6.92	29.32	50.63	62.06	* 0.55	* 59.95	* 2343	* 22089
NK	N79Z-3111	114	50.20	26.99		9.45	7.18	29.54	51.11	60.14	* 0.55	* 59.71	* 2336	* 22053
Augusta	A6867	117	48.75	26.87		9.41	7.26	30.10	51.55	61.39	* 0.55	* 59.77	* 2333	* 21944
Augusta	A6968	118	50.71	26.71		9.35	7.08	29.37	50.79	59.99	* 0.55	* 59.93	* 2341	* 21885
Pioneer	P1319HR	113	56.90	26.60	*	9.31	7.07	28.94	* 50.28	61.02	* 0.55	* 59.99	* 2347	* 21836
Masters Choice	MC 6470	114	52.54	26.47		9.26	7.13	29.91	51.67	60.05	* 0.55	* 60.51	* 2354	* 21765
Doebblers	RPM® 604HRQ™	108	57.93	27.46	*	9.61	7.20	29.03	* 51.12	62.64	* 0.54	58.70	* 2259	21681
AgriGold	A6458VT3PRIB	110	52.62	26.19		9.16	7.36	28.81	* 48.30	* 61.26	* 0.55	* 59.12	* 2315	* 21228
Seed Consultants	SC 11AGT74™	116	58.01	26.46	*	9.26	7.53	27.97	* 48.40	* 56.99	0.56	60.67	* 2413	* 21074
Augusta	A5465	115	56.12	24.92	*	8.72	7.30	29.24	* 50.95	62.08	* 0.56	60.64	* 2388	* 20825
AgriGold	A6574VT2PRO	114	57.96	25.51	*	8.93	6.67	31.00	52.83	59.72	* 0.54	59.21	* 2290	20438
Pioneer	P1498CHR	114	55.23	25.26		8.84	7.02	29.92	52.02	63.16	* 0.54	59.45	* 2291	20265
NK	N83D-3000GT	116	51.72	24.82		8.69	8.65	* 27.64	* 49.65	63.52	* 0.55	59.95	* 2333	* 19673
AgriGold	A6542STX	113	54.54	24.62		8.62	6.60	31.07	53.00	61.31	* 0.54	59.16	* 2278	19575
Seed Consultants	SCS 11HR21™	111	50.59	23.67		8.29	7.24	28.85	* 50.32	61.97	* 0.55	* 59.72	* 2322	* 19252
Augusta	7664VT3PRO	114	49.62	24.20		8.47	7.52	28.61	* 50.02	61.40	* 0.54	58.81	* 2273	19219
Doebblers	Doebblers® 5615GRQ™	116	52.75	23.35		8.17	6.95	28.15	* 47.34	* 56.02	0.55	* 59.15	* 2334	* 19046
AgriGold	A6573VT3PRIB	114	51.84	22.38		7.83	7.38	28.38	* 48.68	* 60.80	* 0.54	56.86	2436	* 19043
Augusta	A7768	118	49.73	22.99		8.04	7.04	29.60	50.69	61.21	* 0.55	59.46	* 2317	* 18650
Augusta	A5664	114	53.26	23.92		8.37	6.96	28.89	* 50.92	57.82	0.53	57.75	2212	18549
Augusta	A5462	112	53.39	22.63		7.92	7.03	29.07	* 50.10	60.92	* 0.55	59.50	* 2327	* 18446
Channel	217-41DGV2PRIB	117	54.00	23.75		8.31	7.02	31.27	52.69	59.93	* 0.53	57.88	2211	18341
Augusta	A5566	115	48.72	22.38		7.83	7.33	29.52	50.82	57.73	0.55	* 59.18	* 2298	18008
Dyna-Gro	D53VC47	113	51.69	22.28		7.80	7.08	30.11	51.74	60.85	* 0.54	59.15	* 2289	17852
Augusta	A5262	112	54.84	24.77		8.67	6.95	30.57	52.41	61.09	* 0.51	54.88	2043	17404
T.A. Seeds	TA780-13VPRIB	116	54.10	22.46		7.86	6.43	32.72	54.83	56.94	0.52	56.70	2138	16851
Seed Consultants	SC 11AQ72™	117	49.88	20.06		7.02	7.52	28.45	* 50.39	61.63	* 0.55	* 59.40	* 2305	* 16175
Site Average			53.41	26.78		9.37	7.14	29.41	50.71	60.38	0.55	59.24	2306	21579
LSD (0.10)			4.00	5.10		1.78	0.75	2.63	3.57	4.28	0.02	2.71	146	4263
C.V.			5.50	13.91		13.91	7.78	6.60	5.20	5.24	2.53	3.32	5	14

Table 6. 2015 Corn Silage Test Results at the Shenandoah Valley Site

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.

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

Table 7. Two-Year Corn Silage Test Results (2014 & 2015) 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	218-73VT3PRIB	118	46.62	30.83 *	10.79 *	7.46	27.80 *	50.39 *	59.74	0.57 *	60.69 *	2427 *	26231 *
Pioneer	P2088AMX	120	48.47	29.73 *	10.40 *	7.34	28.45 *	49.23 *	60.70	0.56	60.33 *	2404 *	25040 *
Augusta	A6867	117	43.72	29.16 *	10.20 *	7.46	29.46	51.71	61.74 *	0.57 *	60.99 *	2450 *	25038 *
Augusta	8868VT3PRO	118	46.12	29.74 *	10.41 *	7.12	29.36	51.28	60.60	0.56	60.28 *	2393 *	24860 *
Seed Consultants	SCS 11HR63™	115	47.27	29.96 *	10.49 *	7.31	29.53	50.93	59.59	0.56	59.69 *	2363 *	24831 *
Pioneer	P1319HR	113	51.19	29.86 *	10.45 *	7.19	29.93	52.27	63.04 *	0.55	60.25 *	2366 *	24754 *
NK	N79Z-3111	114	43.72	28.65 *	10.03 *	7.51	29.78	52.41	60.98 *	0.57 *	61.07 *	2458 *	24673 *
Augusta	A5465	115	46.94	28.55 *	9.99 *	7.54	28.97 *	50.38 *	62.62 *	0.57 *	61.16 *	2447 *	24488 *
T.A. Seeds	TA784-13VPRIB	118	47.13	28.51 *	9.98 *	7.02	29.68	51.74	62.04 *	0.56 *	60.79 *	2422 *	24203 *
Seed Consultants	SC 11AGT74™	116	50.72 *	28.34 *	9.92 *	7.64	27.91 *	49.61 *	59.75	0.57 *	60.83 *	2437 *	24019 *
Seed Consultants	SC 11AGT43™	113	48.80	28.63 *	10.02 *	7.15	30.00	51.70	61.48 *	0.55	59.80 *	2336	23386
Augusta	7664VT3PRO	114	44.40	26.87	9.40	7.66	28.54 *	51.00	61.01 *	0.57 *	60.80 *	2441 *	23188
NK	N83D-3000GT	116	48.51	27.11	9.49	8.19 *	27.40 *	48.45 *	62.30 *	0.56	60.72 *	2416 *	23058
Seed Consultants	SCS 11HR21™	111	47.25	26.12	9.14	7.41	28.53 *	49.41 *	61.51 *	0.56	60.05 *	2373 *	21682
Pioneer	P1498CHR	114	48.40	25.38	8.88	7.32	29.56	51.81	62.87 *	0.56	60.69 *	2408 *	21255
Seed Consultants	SCS 1131AM™	112	50.52 *	26.43	9.25	7.34	29.45	51.34	61.32 *	0.55	58.98	2295	21203
Dyna-Gro	D58QC72	118	46.05	24.94	8.73	7.52	28.25 *	49.59 *	59.50	0.57 *	60.54 *	2429 *	21084
Augusta	A5566	115	44.31	24.17	8.46	7.86 *	28.27 *	50.10 *	61.04 *	0.57 *	61.32 *	2468 *	20946
Doebler	Doebler® 5815GRQ™	118	47.77	25.20	8.82	7.39	28.52 *	50.62 *	61.19 *	0.56	60.17 *	2377 *	20834
Augusta	A5262	112	52.18 *	27.33	9.57	7.13	29.92	51.19	61.13 *	0.52	56.21	2122	20236
T.A. Seeds	TA780-13VPRIB	116	46.96	25.21	8.82	6.98	30.85	53.51	59.34	0.54	58.43	2274	20131
Doebler	Doebler® 5615GRQ™	116	46.13	23.26	8.14	7.29	27.62 *	48.47 *	58.47	0.57 *	60.76 *	2460 *	20030
Pioneer	P1105AMX	111	50.35 *	24.40	8.54	6.93	30.59	52.73	62.55 *	0.55	59.45	2307	19689
Seed Consultants	SC 11AQ72™	117	46.24	23.30	8.15	7.48	28.65 *	50.16 *	61.82 *	0.56	60.10 *	2374 *	19435
Site Average			47.49	27.15	9.50	7.38	29.04	50.83	61.10	0.56	60.17	2385	22679
LSD (0.10)			2.73	3.26	1.14	0.45	1.58	2.35	2.23	0.02	1.76	114	2811
C.V.			6.31	13.18	13.18	6.96	6.25	5.14	4.19	3.07	3.18	5.20	13.48

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.

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

Table 8. Three-Year Corn Silage Test Results (2013, 2014 & 2015) 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	218-73VT3PRIB	118	42.44	29.95 *	10.48 *	7.60 *	27.62 *	49.24 *	59.80	0.60 *	63.37 *	2651 *	27676 *
Seed Consultants	SCS 11HR63™	115	43.73	29.05 *	10.17 *	7.29	30.06	51.10	59.78	0.58	61.40	2502	25346 *
Pioneer	P1319HR	113	46.40 *	28.74 *	10.06 *	7.59 *	29.30	51.34	61.55 *	0.58 *	61.89 *	2521	25244 *
Augusta	A5465	115	42.72	26.99	9.45	7.84 *	28.27 *	49.40 *	62.24 *	0.60 *	63.59 *	2652 *	24845
Pioneer	P2088AMX	120	44.22	27.89 *	9.76 *	7.27	28.36 *	49.42 *	60.73 *	0.58	61.96 *	2537 *	24803
Pioneer	P1498CHR	114	43.96	25.42	8.90	7.58 *	28.91 *	49.65 *	61.76 *	0.59 *	62.65 *	2581 *	23354
Seed Consultants	SCS 11HR21™	111	42.61	25.16	8.81	7.50 *	28.32 *	48.36 *	62.02 *	0.60 *	63.47 *	2645 *	23175
Augusta	A5262	112	45.60 *	26.36	9.23	7.37	29.16 *	49.73 *	60.73 *	0.58 *	60.58 *	2466 *	22465
Seed Consultants	SC 11AQ72™	117	41.58	24.12	8.44	7.74 *	28.39 *	49.00 *	61.04 *	0.60 *	63.10 *	2628 *	22341
Seed Consultants	SCS 1131AM™	112	43.49	25.02	8.76	7.61 *	29.36	50.40 *	60.93 *	0.59 *	62.16 *	2558 *	22164
	Site Average		43.67	26.87	9.40	7.54	28.78	49.76	61.06	0.59	62.42	2574	24141
	LSD (0.10)		1.93	2.73	0.96	0.43	1.62	2.53	1.76	0.02	1.77	118	2523
	C.V.		6.06	13.92	13.92	7.96	7.78	7.04	4.00	4.37	3.58	5	15

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

* Indicates numbers not significantly different from the highest (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. 2015 Corn Silage Test Results at the Northern Piedmont Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 11HR63™	115	31.43	31.70 *	11.10 *	7.87	28.05	47.89	56.86	0.67	68.76	3101	34392 *
Augusta	8868VT3PRO	118	34.83	32.45 *	11.36 *	7.80	28.35	50.06	57.00	0.64	66.37	2902	32975 *
Seed Consultants	SCS 11HR21™	111	32.17	28.44	9.96	7.66	28.72	49.56	59.82	0.67	69.18	3097	30828
Seed Consultants	SCS 1125AM™	111	30.16	28.00	9.80	7.98	26.85	44.99	54.85	0.68	68.97	3139	30771
Augusta	A6969	119	29.94	29.24 *	10.23 *	7.92	28.89	49.90	57.37	0.65	67.33	2981	30476
Pioneer	P1637AM	116	31.39	28.16	9.86	7.87	27.94	48.66	56.73	0.67	68.21	3057	30155
Doebblers	Doebblers® 5615GRQ™	116	31.25	27.09	9.48	7.98	26.86	46.15	55.65	0.68	69.01	3134	29743
Seed Consultants	SC 11AQ72™	117	31.79	27.77	9.72	7.96	28.61	48.74	57.81	0.66	68.00	3026	29457
Pioneer	P1498CHR	114	31.72	27.24	9.54	8.13	28.97	49.37	60.74 *	0.67	69.17	3082	29418
Seed Consultants	SCS 1131AM™	112	30.47	27.53	9.64	7.92	29.35	49.64	57.99	0.66	68.03	3028	29300
Pioneer	P1105AMX	111	31.72	26.33	9.22	7.93	27.13	45.44	57.81	0.68 *	69.77 *	3170 *	29226
Seed Consultants	SC 11AGT74™	116	33.84 *	27.09	9.48	8.11	27.79	46.36	57.14	0.67	68.54	3079	29216
Channel	218-73VT3PRIB	118	31.45	27.73	9.71	7.86	27.68	48.94	54.72	0.66	67.08	2991	29092
Pioneer	P2088AMX	120	28.73	27.55	9.64	8.02	29.39	50.82	58.13	0.66	67.83	3008	29086
Doebblers	Doebblers® 5815GRQ™	118	31.90	27.24	9.53	8.14	28.02	49.03	57.61	0.66	68.18	3043	28975
Pioneer	P1319HR	113	31.28	26.80	9.38	8.20	27.89	48.43	59.28	0.67	69.05	3093	28956
Seed Consultants	SCS 1085AM™	107	30.90	26.81	9.38	7.82	28.38	47.36	56.73	0.67	68.61	3086	28948
Doebblers	RPM® 604HRQ™	108	34.88 *	27.67	9.68	8.19	27.14	46.92	57.64	0.65	67.44	2984	28843
Augusta	A5462	112	32.50	26.66	9.33	7.87	28.53	47.48	59.80	0.67	68.97	3081	28750
NK	N83D-3000GT	116	31.67	27.29	9.55	8.40 *	27.73	49.47	57.33	0.66	67.52	2995	28616
Doebblers	RPM® 687AM™	113	32.29	27.04	9.46	7.94	27.77	48.47	56.66	0.66	67.82	3022	28607
Augusta	A7768	118	28.13	26.63	9.32	8.27 *	28.59	51.50	58.96	0.65	67.73	2987	27851
Channel	215-05STXRIB	115	31.57	26.96	9.44	7.88	28.59	50.21	55.29	0.65	66.36	2925	27627
NK	N79Z-3111	114	30.83	26.41	9.24	7.73	30.59	52.85	59.10	0.65	67.54	2967	27444
Channel	217-41DGV2PRIB	117	32.65	25.54	8.94	7.82	27.83	46.90	57.91	0.67	68.56	3072	27441
Masters Choice	MCT 6153	111	32.05	24.65	8.63	7.70	28.38	47.32	60.53	0.68	70.19 *	3174 *	27393
Channel	214-45DGV2PRIB	114	32.46	24.56	8.60	7.98	27.89	45.61	57.40	0.67	68.92	3106	26716
Augusta	A4363	113	32.68	24.84	8.69	7.58	28.43	47.79	55.67	0.66	67.62	3020	26275
Masters Choice	MC 6150	111	33.69	25.54	8.94	7.71	27.87	47.30	54.58	0.65	66.32	2928	26132
Seed Consultants	SC 11AGT43™	113	33.60	25.63	8.97	8.01	29.06	49.88	56.67	0.64	66.22	2898	25965
Masters Choice	MC 6470	114	29.36	22.09	7.73	8.03	28.43	48.31	57.78	0.66	68.18	3038	23485
Masters Choice	MC 6360	113	29.52	21.16	7.40	7.57	28.55	49.26	57.11	0.66	68.10	3043	22493
Site Average			31.65	26.87	9.40	7.93	28.26	48.46	57.46	0.66	68.11	3039	28583
LSD (0.10)			2.12	2.18	0.76	0.30	1.59	3.65	3.16	0.02	1.62	123	2760
C.V.			5.43	6.56	6.56	3.06	4.54	6.10	4.45	2.33	1.92	3	8

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.

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

Table 10. Two-Year Corn Silage Test Results (2014 & 2015) at the Northern Piedmont Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM		DM Yield	Crude Protein		ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006	
		--Days--	%	ton/acre		ton/acre	-----%-----					Mcal/lb	%	lb milk/ton	lb milk/acre	
Seed Consultants	SCS 11HR63™	115	32.38	30.34	*	10.62	*	7.14	29.14	2	49.96	59.55	0.66	* 67.91	* 3022	* 32118
Augusta	8868VT3PRO	118	33.63	*	31.04	*		7.11	29.29	2	50.83	59.90	0.65	66.89	2936	31897
Seed Consultants	SCS 11HR21™	111	31.60		28.67			7.28	29.09	2	50.08	61.01	0.66	* 68.75	* 3071	* 30805
Seed Consultants	SCS 1131AM™	112	31.36		28.70			7.51	* 29.07	2	49.95	59.14	0.66	* 67.76	* 3014	* 30320
Pioneer	P2088AMX	120	30.29		28.16			7.20	29.65	2	51.32	61.67	* 0.66	* 68.48	* 3039	* 29976
Pioneer	P1319HR	113	32.75		28.56			7.50	29.17	2	49.93	60.23	0.65	67.58	2986	29723
Channel	218-73VT3PRIB	118	31.69		28.34			7.46	28.16	2	49.76	57.31	0.66	67.15	2988	29697
Seed Consultants	SC 11AGT74™	116	33.79	*	27.85			7.75	* 27.89	2	48.09	60.53	0.66	* 68.26	* 3042	* 29656
NK	N79Z-3111	114	31.74		27.93			7.29	30.27	2	52.14	59.46	0.65	67.11	2955	28875
Doebblers	Doebblers® 5815GRQ™	118	32.59		27.44			7.73	* 28.33	2	49.15	59.70	0.66	* 67.77	* 3008	* 28873
Pioneer	P1105AMX	111	31.72		26.51			7.65	* 27.67	2	47.29	59.39	0.67	* 68.81	* 3096	* 28710
Seed Consultants	SC 11AQ72™	117	31.31		27.29			7.51	* 29.10	2	50.06	59.94	0.66	67.77	* 3005	* 28682
Pioneer	P1498CHR	114	32.75		26.89			7.78	* 28.93	2	49.37	61.36	0.66	* 68.23	* 3023	* 28456
NK	N83D-3000GT	116	32.20		26.83			7.80	* 28.25	2	49.90	59.59	0.65	67.59	2995	28122
Augusta	A5465	115	34.61	*	27.67			7.11	29.10	2	49.94	60.71	0.64	66.12	2885	27965
Augusta	A5262	112	32.37		26.55			7.37	28.33	2	48.49	59.21	0.66	67.21	2989	27733
Doebblers	Doebblers® 5615GRQ™	116	31.66		24.66			7.43	27.68	2	47.94	58.28	0.67	* 68.40	* 3079	* 26590
Augusta	A5566	115	31.69		24.67			7.31	29.44	2	51.68	63.43	* 0.65	68.03	* 3007	* 25860
Seed Consultants	SC 11AGT43™	113	33.03	*	25.37			7.55	* 29.72	2	50.96	58.47	0.64	65.92	2874	25493
	Site Average		32.27		27.55			7.45	28.86		49.83	59.94	0.66	67.67	3001	28924
	LSD (0.10)		1.71		2.12			0.30	1.26		2.42	1.84	0.01	1.18	92	2421
	C.V.		5.76		8.31			4.39	4.75		5.26	3.34	2.36	1.89	3	9

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.

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

Table 11. Three-Year Corn Silage Test Results (2013, 2014 & 2015) at the Northern Piedmont Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM		DM Yield	Crude Protein		ADF	NDF		NDF Digest.	NE _L	TDN	Milk2006	Milk2006			
		--Days--	%	ton/acre		ton/acre	-----%						Mcal/lb	%	lb milk/ton	lb milk/acre			
Seed Consultants	SCS 11HR63™	115	32.50	*		28.12	*	7.22	28.75	49.71	59.87		0.66	68.07	3037	29865	*		
Pioneer	P2088AMX	120	30.56		*	27.05	*	7.48	28.63	49.16	61.47	*	0.67	69.31	*	3116	29355	*	
Seed Consultants	SCS 1131AM™	112	31.66		*	27.14	*	7.73	28.14	47.89	59.50		0.67	68.63	*	3086	29275	*	
Channel	218-73VT3PRIB	118	32.47	*		27.41	*	7.56	27.33	48.08	57.27		0.66	67.56		3025	29041	*	
Seed Consultants	SCS 11HR21™	111	31.69		*	26.53	*	7.43	28.19	48.04	60.84	*	0.68	69.42	*	3133	28991	*	
Pioneer	P1319HR	113	32.47	*		26.13		7.71	28.29	48.27	60.25	*	0.66	68.27		3047	27677		
Pioneer	P1498CHR	114	32.46	*		25.42		8.90	7.65	28.65	48.46	60.76	*	0.67	68.68	*	3070	27280	
Seed Consultants	SC 11AQ72™	117	31.77			25.14		8.80	7.58	28.62	49.23	60.68	*	0.66	68.21		3037	26651	
Augusta	A5262	112	33.32	*		24.97		8.74	7.53	27.31	45.80	* 57.88	0.67	67.88		3052	26619		
Augusta	A5465	115	33.37	*		24.86		8.70	7.62	28.09	47.48	* 60.41	0.66	67.95		3033	26254		
Site Average			32.23			26.28		9.20	7.55	28.20	48.21	59.89	0.67	68.40		3063	28101		
LSD (0.10)			1.28			1.72		0.60	0.22	0.97	1.92	1.34	0.01	0.92		73	1977		
C.V.			5.59			9.13		9.13	4.08	4.81	5.57	3.14	2.38	1.88		3	10		

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

* Indicates numbers not significantly different from the highest (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. 2015 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
Augusta	8868VT3PRO	118	44.70	29.15	*	10.20	6.59	28.33	45.08	59.88	0.51	50.32	1879	19164
Seed Consultants	SCS 11HR63™	115	46.90	30.52	*	10.68	6.51	29.13	50.64	61.75	0.50	48.60	1766	18932
Channel	218-73VT3PRIB	118	46.06	28.10		9.83	6.59	28.81	46.07	57.62	0.50	49.33	1816	17921
Doeblers	RPM® 687AM™	113	46.04	28.22		9.88	6.56	28.25	46.45	60.05	0.50	49.21	1810	17901
Seed Consultants	SCS 11HR21™	111	45.81	27.59		9.66	6.60	28.37	45.81	60.02	0.51	50.02	1854	17874
Pioneer	P2088AMX	120	43.09	26.65		9.33	6.80	28.28	45.34	59.77	0.52	50.55	1901	17726
Pioneer	P1637AM	116	44.38	28.04		9.81	6.50	29.67	47.10	60.12	0.50	48.73	1783	17390
Seed Consultants	SC 11AGT74™	116	46.63	25.31	*	8.86	6.87	27.87	43.29	58.64	0.51	50.42	1873	17333
Seed Consultants	SCS 1125AM™	111	44.51	25.33		8.87	6.93	26.87	44.46	60.29	0.52	51.01	1929	17056
Doeblers	Doeblers® 5815GRQ™	118	48.38	27.28	*	9.55	6.66	28.01	48.59	60.19	0.50	48.80	1762	16894
Seed Consultants	SCS 1131AM™	112	46.38	26.02	*	9.11	6.56	28.02	45.36	59.50	0.51	49.90	1848	16824
AgriGold	A6573VT3PRIB	114	46.51	26.15	*	9.15	6.97	29.20	47.43	61.08	0.51	49.36	1828	16746
Doeblers	Doeblers® 5615GRQ™	116	44.71	25.70		9.00	6.45	28.34	45.53	59.47	0.50	49.43	1812	16388
Pioneer	P1105AMX	111	47.39	26.51	*	9.28	6.67	27.61	46.45	60.54	0.49	48.63	1754	16253
Seed Consultants	SC 11AQ72™	117	46.29	25.59	*	8.96	6.59	28.91	46.29	58.27	0.50	49.16	1798	16140
AgriGold	A6517VT3PRIB	113	49.31	25.11	*	8.79	6.49	26.77	46.18	59.91	0.51	49.71	1831	16107
Augusta	A6969	119	46.62	25.45	*	8.91	6.61	29.21	46.17	58.29	0.50	49.30	1809	16058
AgriGold	A6499STXRIB	112	46.72	26.60	*	9.31	6.49	30.08	49.30	59.23	0.49	47.48	1706	16006
AgriGold	A6542STX	113	45.60	24.41		8.54	7.03	28.96	45.76	60.51	0.51	49.77	1842	15736
Channel	217-41DGV2PRIB	117	48.09	24.91	*	8.72	6.62	28.03	45.71	59.39	0.50	49.29	1803	15703
Pioneer	P1319HR	113	48.46	26.05	*	9.12	6.56	28.77	47.15	60.55	0.49	48.16	1728	15687
Channel	214-45DGV2PRIB	114	48.15	23.37	*	8.18	6.56	25.85	46.24	61.47	0.52	50.92	1915	15671
Channel	215-05STXRIB	115	48.26	24.07	*	8.42	6.87	28.23	45.50	59.48	0.51	49.95	1854	15590
Seed Consultants	SC 11AGT43™	113	47.30	25.08	*	8.78	7.06	29.71	46.88	59.61	0.49	48.09	1732	15226
Doeblers	RPM® 604HRQ™	108	49.65	23.47	*	8.21	6.53	28.90	45.17	59.62	0.50	48.91	1766	14479
Seed Consultants	SCS 1085AM™	107	48.91	24.00	*	8.40	6.56	29.38	47.46	59.62	0.49	47.83	1704	14313
Pioneer	P1498CHR	114	44.51	24.58		8.60	6.95	30.50	50.23	60.81	0.48	47.11	1677	14304
AgriGold	A6574VT2PRO	114	47.09	21.46	*	7.51	6.63	29.33	46.62	60.46	0.51	49.36	1827	13733
AgriGold	A6458VT3PRIB	110	48.26	22.76	*	7.97	6.78	30.61	51.14	61.93	0.47	46.11	1596	12757
Site Average			46.71	25.77		9.02	6.68	28.62	46.67	59.93	0.50	49.16	1800	16273
LSD (0.10)			3.37	2.23		0.78	0.33	2.07	4.03	2.48	0.03	2.46	164	2040
C.V.			5.61	6.72		6.72	4.17	5.55	7.30	3.49	3.89	3.84	7	10

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.

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

Table 13. Two-Year Corn Silage Test Results (2014 & 2015) at the Southern Piedmont Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM	DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre	ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 11HR63™	115	36.27	25.34	8.87	6.65	31.27	53.81	61.62	*	0.57	58.94	2394
NK	N79Z-3111	114	26.73	18.54	6.49	7.19	31.16	55.21	61.15	0.66	*	69.76	*
Channel	218-73VT3PRIB	118	35.68	23.28	8.15	6.89	29.70	*	50.36	58.39	0.59	60.64	2524
Seed Consultants	SC 11AGT74™	116	35.11	22.04	7.71	7.13	30.47	50.37	60.30	0.61		63.09	2650
Augusta	8868VT3PRO	118	44.70	*	29.15	*	10.20	*	6.59	28.33	*	45.08	*
Seed Consultants	SCS 11HR21™	111	35.32	23.02	8.06	6.75	30.00	*	49.79	60.77	0.59	60.23	2486
Pioneer	P1105AMX	111	35.02	22.21	7.77	6.97	29.44	*	49.93	60.74	0.60	61.12	2546
NK	N83D-3000GT	116	26.35	17.77	6.22	7.58	*	31.60	56.01	62.70	*	0.65	*
Doebblers	Doebblers® 5815GRQ™	118	36.01	22.33	7.81	7.00	29.53	*	51.44	60.62	0.59	60.95	2528
Pioneer	P2088AMX	120	34.11	22.42	7.85	7.07	30.75	50.89	60.85	0.59	60.12	2476	18569
Pioneer	P1319HR	113	37.80	22.80	7.98	7.11	29.68	*	50.40	61.04	0.58	59.25	2424
Seed Consultants	SCS 1131AM™	112	35.61	22.21	7.77	7.14	30.41	51.03	61.54	*	0.58	60.01	2453
Seed Consultants	SC 11AQ72™	117	34.57	21.49	7.52	6.95	30.44	50.88	60.10	0.59	60.98	2524	18192
Seed Consultants	SC 11AGT43™	113	36.73	21.74	7.61	7.37	*	30.77	50.62	60.11	0.57	58.55	2376
Pioneer	P1498CHR	114	35.77	21.31	7.46	7.05	30.77	52.62	61.51	*	0.58	59.12	2423
Doebblers	Doebblers® 5615GRQ™	116	38.53	22.59	7.91	6.83	29.09	*	48.31	59.90	0.56	56.09	2226
	Site Average		35.27	22.39	7.84	7.02	30.21	51.05	60.70	0.59	60.55	2501	18676
	LSD (0.10)		1.48	1.63	0.57	0.30	1.70	2.81	1.49	0.02	1.52	110	1650
	C.V.		4.35	7.61	7.61	4.56	5.87	5.98	2.64	2.98	2.62	5	9

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.

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

Table 14. Three-Year Corn Silage Test Results (2013, 2014 & 2015) 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										
Channel	218-73VT3PRIB	118	35.41	*	24.59	*	8.61	*	6.91	*	28.82	*	49.91	*	61.19	*	0.62	*	64.04	*	2741	*	23248	*
Seed Consultants	SCS 11HR21™	111	35.23	*	24.82	*	8.69	*	6.69	*	28.69	*	49.66	*	62.65	*	0.62	*	63.88	*	2723	*	23238	*
Seed Consultants	SCS 11HR63™	115	35.32	*	25.52	*	8.93	*	6.60	*	30.66	*	52.90	*	61.98	*	0.60	*	62.33	*	2622	*	22862	*
Pioneer	P2088AMX	120	33.74		23.82		8.34		6.78	*	30.22		51.01	*	63.52	*	0.62	*	63.87	*	2717	*	22324	*
Seed Consultants	SC 11AQ72™	117	34.25		23.36		8.18		6.94	*	29.67	*	50.51	*	61.92	*	0.62	*	64.12	*	2735	*	22109	*
Seed Consultants	SCS 1131AM™	112	34.98	*	23.91		8.37		6.96	*	29.78	*	51.01	*	62.94	*	0.61	*	63.11	*	2659	*	21948	*
Pioneer	P1319HR	113	36.13	*	23.23		8.13		7.05	*	29.52	*	50.54	*	63.88	*	0.61	*	63.32	*	2682	*	21302	
Pioneer	P1498CHR	114	34.79		22.34		7.82		7.02	*	30.11		52.06		62.97	*	0.61	*	62.71	*	2655	*	20341	
Site Average			34.98		23.95		8.38		6.87		29.68		50.95		62.63		0.61		63.42		2692		22171	
LSD (0.10)			1.22		1.59		0.56		0.31		1.40		2.07		1.90		0.02		1.54		106		1911	
C.V.			4.94		9.41		9.41		6.51		6.69		5.89		4.41		3.59		3.24		6		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.

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

Table 15. 2015 Corn Silage Test Results at the Southwest Virginia Site

Brand	Hybrid	DTM ¹	DM at Harvest	Yield at 35% DM		DM Yield	Crude Protein	ADF	NDF	NDF Digest.	NE _L	TDN	Milk2006	Milk2006
		--Days--	%	ton/acre		ton/acre					Mcal/lb	%	lb milk/ton	lb milk/acre
Augusta	A6969	119	42.77	35.89	*	12.56	7.67	28.22	44.04	61.37	0.61	65.18	2760	34592
Seed Consultants	SCS 11HR63™	115	49.00	36.00	*	12.60	7.53	25.86	41.49	59.05	0.60	63.13	2622	33140
Augusta	A7768	118	40.73	31.46	*	11.01	8.67	25.79	43.25	60.48	0.63	66.20	2855	31377
Dyna-Gro	D58QC72	118	40.92	31.26	*	10.94	8.34	26.37	43.83	61.33	0.63	66.37	2857	31256
Seed Consultants	SCS 1125AM™	111	46.13	33.14	*	11.60	7.62	25.90	42.53	61.24	0.60	64.24	2688	31177
Channel	217-41DGV2PRIB	117	48.71	34.01	*	11.90	7.21	26.35	42.34	60.73	0.59	62.94	2588	30899
Pioneer	P2088AMX	120	43.10	31.67	*	11.08	8.15	26.51	43.43	61.10	0.61	64.50	2709	30103
Channel	218-73VT3PRIB	118	45.90	32.39	*	11.34	7.47	26.37	43.94	60.46	0.59	63.16	2607	29593
Doebler	RPM® 687AM™	113	45.02	31.45	*	11.01	7.83	25.99	42.76	59.63	0.60	63.49	2641	29112
Doebler	Doebler® 5815GRQ™	118	43.33	30.76	*	10.77	7.92	26.58	43.86	59.45	0.60	63.60	2655	28559
Dyna-Gro	D54DC94	114	45.32	30.98	*	10.84	7.46	28.40	45.78	60.12	0.59	63.27	2616	28399
Masters Choice	MC 6150	111	44.21	30.67	*	10.74	7.37	26.69	41.09	58.90	0.60	63.40	2644	28394
Seed Consultants	SC 11AGT74™	116	45.60	30.86	*	10.80	8.23	26.65	44.55	63.12	0.59	63.58	2612	28137
Seed Consultants	SC 11AQ72™	117	43.71	29.00		10.15	7.96	26.72	42.14	60.56	0.61	64.69	2733	27704
Masters Choice	MC 6470	114	46.65	31.25	*	10.94	7.61	31.08	51.39	65.19	0.58	63.62	2563	27615
Augusta	8868VT3PRO	118	45.98	30.00	*	10.50	7.63	27.41	43.52	59.69	0.59	63.22	2619	27431
Seed Consultants	SCS 11HR21™	111	44.82	29.17		10.21	8.04	27.75	44.89	62.02	0.60	64.00	2656	27087
T.A. Seeds	TA780-13VPRIB	116	45.62	29.55		10.34	7.96	27.03	42.96	60.75	0.59	62.91	2586	26794
Seed Consultants	SCS 1131AM™	112	46.00	29.07		10.18	7.64	26.02	43.09	59.11	0.59	62.95	2603	26431
Pioneer	P1498CHR	114	48.04	29.40	*	10.29	7.74	27.14	44.39	61.11	0.58	62.54	2549	26266
Pioneer	P1637AM	116	46.00	28.77		10.07	7.33	29.27	48.82	61.64	0.59	63.46	2609	25870
Doebler	Doebler® 5615GRQ™	116	44.99	27.12		9.49	7.14	26.43	41.41	58.70	0.60	63.55	2660	25273
Pioneer	P1105AMX	111	46.15	27.78		9.72	7.38	27.92	45.36	62.73	0.59	63.35	2586	25115
Pioneer	P1319HR	113	45.45	26.50		9.28	7.88	27.58	45.35	60.97	0.60	63.94	2663	24641
Seed Consultants	SCS 1085AM™	107	49.73	26.59	*	9.31	7.58	26.44	41.38	59.63	0.59	62.94	2598	24260
Seed Consultants	SC 11AGT43™	113	44.39	25.86		9.05	7.64	28.12	45.01	61.39	0.60	63.89	2653	23830
Channel	215-05STXRIB	115	45.30	26.84		9.40	7.50	29.19	48.09	61.06	0.58	62.27	2518	23635
Augusta	A4363	113	48.08	26.11	*	9.14	7.42	27.10	43.63	59.01	0.58	61.72	2506	23016
Masters Choice	MC 6360	113	46.15	25.06		8.77	7.43	27.39	44.19	61.13	0.59	63.09	2593	22789
Dyna-Gro	D53VC47	113	46.28	24.40	*	8.54	7.25	26.97	43.47	62.08	0.59	63.59	2622	22415
Channel	214-45DGV2PRIB	114	47.96	20.32	*	7.11	7.13	26.43	43.10	61.58	0.59	63.36	2613	18546
Masters Choice	MCT 6153	111	47.83	20.21	*	7.07	7.23	27.33	43.83	59.94	0.59	62.76	2580	18216
Site Average			45.62	29.17		10.21	7.66	27.16	44.03	60.79	0.60	63.59	2636	26927
LSD (0.10)			3.58	6.15		2.15	0.53	1.95	3.59	2.41	0.02	1.82	143	5407
C.V.			6.47	17.41		17.41	5.75	5.94	6.72	3.27	3.04	2.36	4	17

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

* Indicates numbers not significantly different from the highest (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 16. Two-Year Corn Silage Test Results (2014 & 2015) 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
Channel	218-73VT3PRIB	118	52.97	31.63 *	11.07 *	7.14	28.25	46.99	61.67	0.59	62.61	2564	28413
Seed Consultants	SCS 11HR21™	111	48.87	29.59 *	10.36 *	7.76	28.44	46.60	62.67	0.59	63.53	2624	27137
Dyna-Gro	D58QC72	118	47.37	28.84 *	10.09 *	7.66	27.93	46.26	61.08	0.59	62.98	2604	26510
Seed Consultants	SCS 11HR63™	115	54.89	29.33 *	10.27 *	7.15	27.69	45.42	59.96	0.58	61.35	2487	25913
Seed Consultants	SC 11AQ72™	117	53.43	27.28	9.55	7.40	27.79	44.93	60.52	0.60	62.96	2620	25018
Seed Consultants	SC 11AGT74™	116	50.36	28.15 *	9.85 *	7.64	27.55	45.27	60.49	0.57	61.24	2469	24422
Doebblers	Doebblers® 5815GRQ™	118	48.14	26.74	9.36	7.68	28.12	46.42	60.72	0.59	62.27	2554	24120
Seed Consultants	SCS 1131AM™	112	54.31	27.30	9.56	7.55	27.43	45.35	59.99	0.58	61.38	2489	23846
Pioneer	P2088AMX	120	52.78	25.85	9.05	7.48	29.42	49.64	61.74	0.57	61.29	2460	22739
Doebblers	Doebblers® 5615GRQ™	116	53.99	24.19	8.47	7.03	27.88	45.51	61.52	0.58	62.30	2549	21646
Seed Consultants	SC 11AGT43™	113	54.23	24.39	8.54	7.44	29.46	49.59	61.76	0.57	61.72	2491	21338
Pioneer	P1498CHR	114	53.04	23.13	8.10	7.46	28.92	49.50	62.48	0.57	61.65	2474	20281
Pioneer	P1105AMX	111	57.85	22.12	7.74	7.32	28.35	48.78	63.38	0.58	62.35	2526	19666
Pioneer	P1319HR	113	52.42	21.69	7.59	7.24	28.26	47.08	61.21	0.58	62.54	2555	19602
	Site Average		52.47	26.45	9.26	7.42	28.25	46.95	61.37	0.58	62.15	2533	23618
	LSD (0.10)		2.92	3.68	1.29	0.34	1.77	4.04	2.04	0.02	1.35	102	3280
	C.V.		5.78	14.73	14.73	5.10	6.91	9.48	3.68	2.80	2.28	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.

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

Table 17. Three-Year Corn Silage Test Results (2013, 2014 & 2015) 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
Channel	218-73VT3PRIB	118	43.33	28.24 *	9.88 *	7.00	28.73 *	46.56 *	59.46 *	0.63 *	64.57 *	2785 *	27500 *
Seed Consultants	SC 11AQ72™	117	44.16	28.26 *	9.89 *	7.22	28.43 *	46.28 *	59.20 *	0.62 *	64.14 *	2790 *	26971 *
Seed Consultants	SCS 1131AM™	112	48.73 *	26.57 *	9.30 *	7.34 *	28.85 *	46.23 *	59.06 *	0.61 *	63.42 *	2683 *	25032 *
Seed Consultants	SCS 11HR63™	115	46.05 *	27.02 *	9.46 *	7.21	28.66 *	46.57 *	59.60 *	0.60	61.79	2595 *	24933 *
Pioneer	P2088AMX	120	47.21 *	26.62 *	9.32 *	6.96	29.69	49.88	59.09 *	0.58	59.88	2438	23238
Seed Consultants	SCS 11HR21™	111	41.06	24.23	8.48	7.57 *	26.84 *	48.56 *	59.89 *	0.62 *	63.69 *	2726 *	23167
Pioneer	P1498CHR	114	44.56	24.82	8.69	7.21	29.16 *	48.57 *	60.67 *	0.60	62.11 *	2606 *	22810
Pioneer	P1319HR	113	43.02	22.71	7.95	7.02	29.03 *	48.32 *	59.28 *	0.61 *	63.41 *	2686 *	21758
	Site Average		44.77	26.06	9.12	7.19	28.67	47.62	59.53	0.61	62.88	2664	24426
	LSD (0.10)		2.86	2.36	0.83	0.23	2.71	3.43	2.15	0.02	2.55	205	2873
	C.V.		8.62	12.21	12.21	4.52	13.15	10.01	5.02	5.49	5.45	10	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.

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

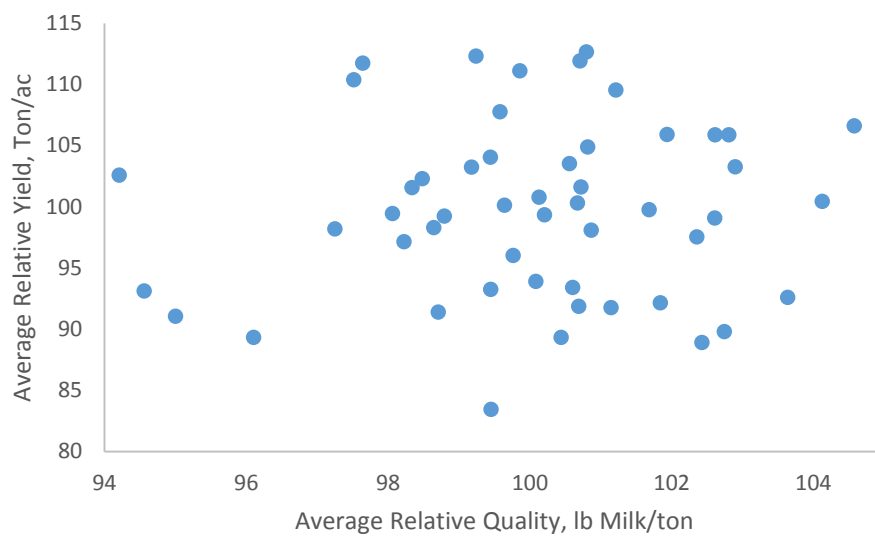
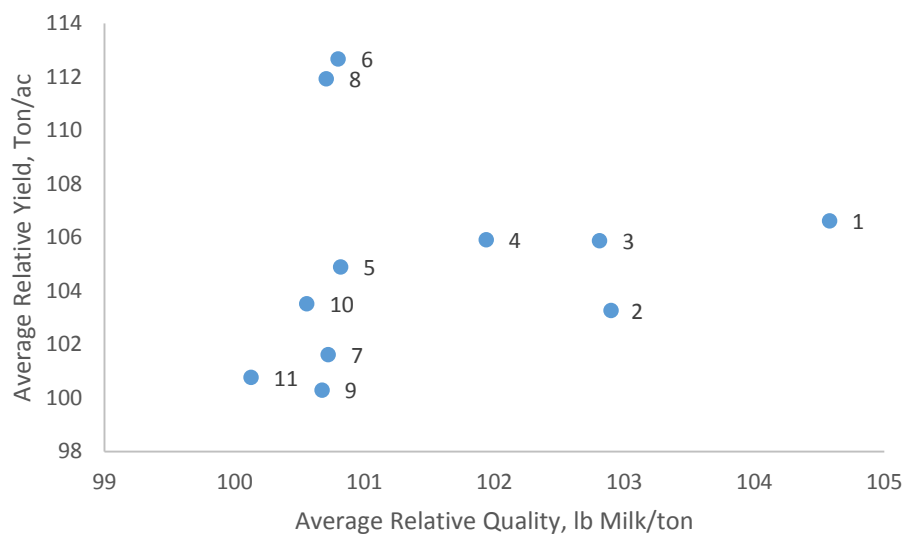


Figure 1. Average relative quality versus relative yield over sites, 2015.



Point	Brand	Hybrid
1	Seed Consultants	SCS 1125AM™
2	Dyna-Gro	D58QC72
3	T.A. Seeds	TA784-13VPRIB
4	Seed Consultants	SCS 11HR21™
5	Seed Consultants	SC 11AGT74™
6	Channel	218-73VT3PRIB
7	Augusta	A5465
8	Augusta	A6969
9	NK	N79Z-3111
10	Pioneer	P2088AMX
11	NK	N83D-3000GT

Figure 2. High yielding and high quality hybrids tested in at least 3 site/year combinations in 2014-15.



Virginia Cooperative Extension
Virginia Tech • Virginia State University

www.ext.vt.edu