

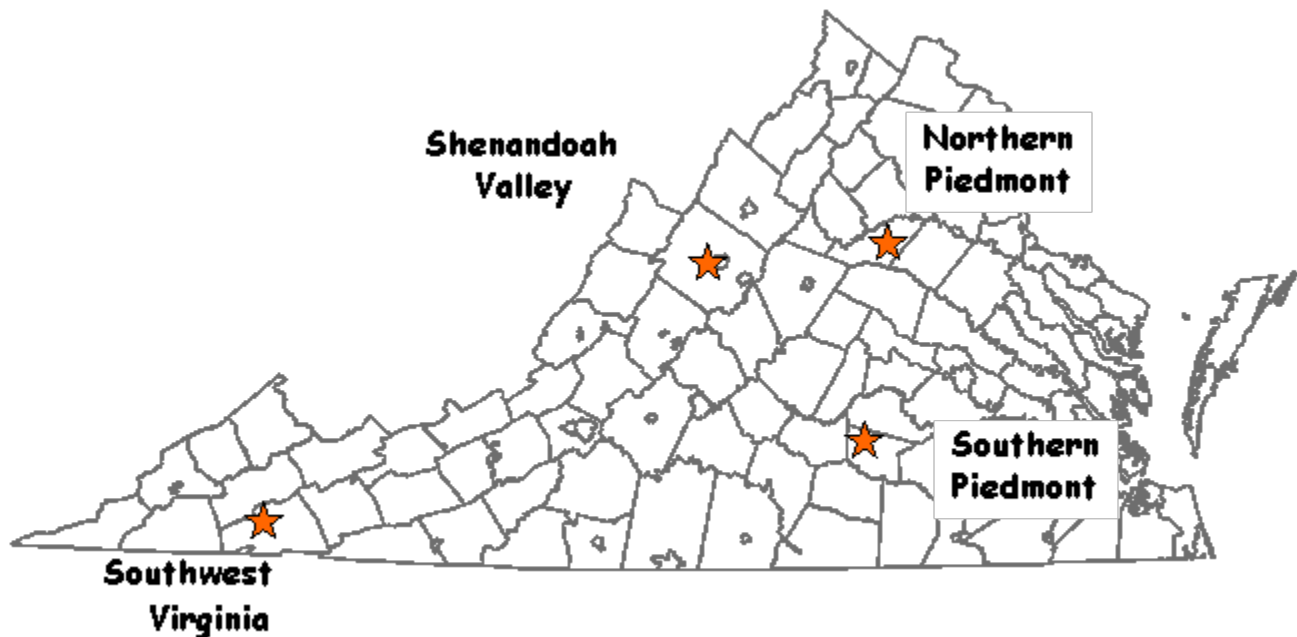


**Virginia Cooperative Extension**

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# Virginia Tech Corn Silage Testing 2016





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# THE 2016 VIRGINIA CORN SILAGE HYBRID TRIALS

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Virginia Tech, Blacksburg, VA  
Other contributors: David Yutzy; Doug Horn; Steve Gulick;  
Chris Teutsch; Ned Jones; Phil Blevins.

## COMPANIES PARTICIPATING IN THE 2016 CORN SILAGE TRIALS

<b>Company</b>	<b>Brand</b>	<b>Address</b>
AgriGold Hybrids	AgriGold Hybrids	5381 Akin Rd., St. Francisville, IL 62460
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
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
King's Agriseeds, Inc.	Masters Choice	60 North Ronks Rd. Suite K, Ronks, PA 17572-9645
Meherrin	Phoenix	413 Main St., Severn, NC 27877
Monsanto	Channel	800 N Lindbergh Blvd., St Louis, MO 63167
Seed Consultants, Inc.	Seed Consultants	648 Miami Trace Rd, Washington Cthse, 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 2016 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 2016, 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.

**2016 VIRGINIA CORN SILAGE PLOT INFORMATION**  
**(Rates are on a per acre basis.)**

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

**Planted:** April 15, 2016 no-till into soybean stubble

**Harvested:** July 20, 2016

**Pesticide:** 5 lb Force 3G® at planting; 2 qt Buccaneer® + 4 qt Lexar® April 15, 2016

**Fertilizer:** 1000 lb 10-10-10 preplant incorporated April 13, 2016; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 80 lb N top-dressed using UAN May 23, 2016

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

**Soil Type:** Sandy loam

**Cooperator:** Ned Jones

**Orange (Northern Piedmont Center)**

**Planted:** April 27, 2016 no-till into corn stubble

**Harvested:** August 16, 2016

**Pesticide:** 5 lb Force 3G® at planting; 1 pt atrazine 4L + 2 qt Gramaxone® + 3 qt Acuron™ April 25, 2016; 0.9 oz Accent® + 0.5 pt Banvel® June 7, 2016

**Fertilizer:** 40-100-60 April 25, 2016; 17 gal 20-10-0-2.2S-.13B-.25Zn at planting; 60 lb N side-dressed June 7, 2016

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

**Soil Type:** Starr

**Cooperators:** Steve Gulick

**Shenandoah Valley (Timberville - Thanks to David Yutzy and Windcrest Dairy)**

**Planted:** May 25, 2016 No-till into rye chop stubble

**Harvested:** September 6, 2016

**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; 0.9 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 (Southwest Virginia Agricultural Research & Extension Center)**

**Planted:** May 10, 2016 conventional till

**Harvested:** September 16, 2016

**Pesticide:** 5 lb Force 3G® at planting; 3 qt Lexar® plus 1 qt atrazine post planting

**Fertilizer:** 100-60-120 preplant; 80 lb N side-dressed at V8

**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 2016 VA Tech Corn Silage Hybrid Test**

Brand	Hybrid	DTM <sup>1</sup>	Insecticidal Seed Treatment	Genetic Trait Package	OBS <sup>2</sup>
AgriGold	A6462STXRIB	110	Poncho® 500/VOTiVO®	Genuity SmartStax RIB Complete	2
AgriGold	A6517VT3PRIB	113	Poncho® 500/VOTiVO®	Genuity VT Triple PRO RIB Complete	2
AgriGold	A6573VT3PRIB	114	Poncho® 500/VOTiVO®	Genuity VT Triple PRO RIB Complete	2
Augusta	A4959GT3110	109	Cruiser Maxx® 1250	Agrisure Viptera 3110	1
Augusta	A5262GTCBLL	112	Cruiser Maxx® 1250	Agrisure GT/CB/LL	1
Augusta	A5062GT3110	112	Acceleron® 500/VOTiVO®	Agrisure Viptera 3110	3
Augusta	A4363VT2Pro	113	Cruiser Maxx® 250	Genuity VT Double PRO RIB Complete	1
Augusta	A7664VT3Pro	114	Cruiser Maxx® 1250	Genuity VT Triple PRO	1
Augusta	A1565GTCBLL	115	Acceleron® 500/VOTiVO®	Agrisure GT/CB/LL	1
Augusta	A5465GTCBLL	115	Cruiser Maxx® 1250	Agrisure GT/CB/LL	1
Augusta	A6867GTCBLL	117	Cruiser Maxx® 250	Agrisure GT/CB/LL	1
Augusta	A7667GT3110	117	Cruiser Maxx® 250	Agrisure Viptera 3110	1
Augusta	A7668GT3110	118	Cruiser Maxx® 250	Agrisure Viptera 3110	1
Augusta	A7768GT3110	118	Cruiser Maxx® 250	Agrisure Viptera 3110	2
Augusta	A8868VT3Pro	118	Poncho® 250	Genuity VT Triple PRO	4
Augusta	A7769GT3110	119	Cruiser Maxx® 250	Agrisure Viptera 3110	1
Augusta	A9074GT3110	124	Poncho® 250	Agrisure Viptera 3110	1
Channel	215-05STXRIB	115	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete	4
Channel	216-36STXRIB	116	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete	4
Channel	217-92VT2PRIB	117	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete	4
Channel	218-44VT2RIB	118	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete	4
Doebler's	5125AM™	111	Poncho® 1250/VOTiVO®	Optimum AcreMax	4
Doebler's	5615GRQ™	116	Poncho® 1250/VOTiVO®	Agrisure 3000GT	4
Doebler's	747AM™	116	Poncho® 1250/VOTiVO®	Optimum AcreMax	4
Doebler's	5815GRQ™	118	Poncho® 1250/VOTiVO®	Agrisure 3000GT	4
Dyna-Gro	D54DC94	114	Poncho® 250	Genuity VT Double PRO RIB Complete + DroughtGard	2
Dyna-Gro	D58QC72	118	Poncho® 250	Agrisure Viptera 3110	2
Dyna-Gro	D58VC65	118	Poncho® 250	Genuity VT Double PRO RIB Complete	2
Masters Choice	MCT 6153	111	Cruiser Maxx® 250	Agrisure 3000GT	2
Masters Choice	MCT 6363	113	Cruiser Maxx® 250	Agrisure 3000GT	2
Masters Choice	MCT 6733	117	Cruiser Maxx® 250	Agrisure 3000GT	2

**Table 1. List of Hybrids in the 2016 VA Tech Corn Silage Hybrid Test**

Brand	Hybrid	DTM <sup>1</sup>	Insecticidal Seed Treatment	Genetic Trait Package	OBS <sup>2</sup>
NK	N66V-3000GT	110	Avicta® Complete 500 + Vibrance	Agrisure 3000GT	2
NK	N69D-3000GT	112	Avicta® Complete 500 + Vibrance	Agrisure 3000GT	2
NK	N83D-3000GT	118	Avicta® Complete 500 + Vibrance	Agrisure 3000GT	2
Phoenix	6190A4	112	Avicta® Complete 500	Agrisure Viptera 3111	4
Phoenix	7914A4	115	Avicta® Complete 500	Agrisure Viptera 3111	4
Phoenix	7402A3	118	Avicta® Complete 500	Agrisure 3000GT	4
Pioneer	0843AM	108	Poncho® 1250/VOTiVO®	Optimum AcreMax	4
Pioneer	1197AMXT	111	Poncho® 1250/VOTiVO®	Optimum AcreMax Xtreme	4
Pioneer	1637AM	116	Poncho® 1250/VOTiVO®	Optimum AcreMax	4
Pioneer	2088AMX	120	Poncho® 1250/VOTiVO®	Optimum AcreMax Xtra	4
Seed Consultants	SC 10AGT96	108	Poncho® 500/VOTiVO®	Agrisure GT/CB/LL	4
Seed Consultants	SC 11AQ17	110	Cruiser Maxx® 250	Agrisure 3000GT	4
Seed Consultants	SCS 1125YHR	111	Poncho® 500/VOTiVO®	Optimum Intrasect	4
Seed Consultants	SCS 1136YHR	112	Poncho® 500/VOTiVO® + Raxil®	Optimum Intrasect	4
Seed Consultants	SC 11AGT43	113	Poncho® 250	Agrisure GT/CB/LL	4
Seed Consultants	SCS 11HR63	115	Cruiser Maxx® 250	Herculex 1	4
Seed Consultants	SC 11AGT74	116	Poncho® 250	Agrisure GT/CB/LL	4
Seed Consultants	SCS 1187YHR	117	Poncho® 500/VOTiVO® + Raxil®	Optimum Intrasect	4
T. A. Seeds	TA736-22DPRIB	113	Cruiser Maxx® 250	Genuity VT Double PRO RIB Complete	1
T. A. Seeds	TA780-13VPRIB	116	Cruiser Maxx® 250	Genuity VT Triple PRO RIB Complete	1

<sup>1</sup>Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.

<sup>2</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.

# Handy Bt Trait Table

With questions or corrections, contact:  
**Chris DiFonzo, Field Crops Entomologist**  
 Michigan State University, East Lansing, MI

Most corn hybrids planted in the U.S. now contain one or more transgenic traits for weed or insect management. These traits are meant to increase flexibility and profitability for producers, but sometimes cause confusion about their spectrum of control or refuge requirements. This bulletin is a handy one-stop-guide to make it easier to read company seed guides, sales materials, and bag tags. For the hybrids you purchase:

- \*Understand the **expected level of control** for each trait and refuge requirements for that hybrid;
- \***Confirm that the seed you ordered** in the fall is the same seed delivered in the spring;
- \*Keep good **planting records** and save a representative sample of **bags or bag tags**;
- \*Most important, if you see **unexpected damage or poor performance** of a trait (especially rootworm damage), contact your seed dealer and extension educator immediately so that the field can be visited while the problem is still fresh and samples can be taken. This is critical to **identify and manage rootworm resistance to Bt**.

## Section 1: Bt corn 'events' (transformations of one or more genes) and their Trade Names

Trade name for trait	Event	Protein(s) expressed	Insect Target or Herbicide Activity
Agrisure CB/LL	Bt11	Cry1Ab + PAT	corn borer + <i>glufosinate tolerance</i>
Agrisure Duracade	5307	eCry3.1Ab	rootworm
Agrisure GT	GA21	EPSPS	<i>glyphosate tolerance</i>
Agrisure RW	MIR604	mCry3A	rootworm
Agrisure Viptera	MIR162	Vip3A	broad lepidopteran control (but not corn borer)
Herculex 1 or CB	TC1507	Cry1Fa2 + PAT	corn borer + <i>glufosinate tolerance</i>
Herculex RW	DAS-59122-7	Cry34Ab1/Cry35Ab1 + PAT	rootworm + <i>glufosinate tolerance</i>
Roundup Ready 2	NK603	EPSPS	<i>glyphosate tolerance</i>
YieldGard Corn Borer	MON810	Cry1Ab	corn borer
Yieldgard Rootworm	MON863	Cry3Bb1	rootworm
Yieldgard VT Pro	MON89034	Cry1A.105 + Cry2Ab2	broader lepidopteran control
YieldGard VT Rootworm RR	MON88017	Cry3Bb1 + EPSPS	rootworm + <i>glyphosate tolerance</i>

**Section 2** (next page) lists specific trait packages (combinations of events) sold by seed companies, their spectrum of control, and required refuge % + location. For many packages, pyramiding of Bt toxins allows for a reduction in refuge acres to 5%. Although some hybrids still require a structured refuge planted in rows or a block, an increasing proportion of Bt seed is sold as a refuge-in-the-bag (RIB).

Note that the spectrum of control in Table 2 - excellent, poor (= suppression), or none - is based on seed company literature, reflecting how a product should perform. Actual field-level performance may differ. For example, rootworm populations in the western corn belt have developed resistance to several Bt toxins. In the Great Lakes region, western bean cutworm susceptibility to Cry1F appears to be decreasing over time. Unexpected, poor performance should be reported ASAP because it may be an early sign of insect resistance in a field or region.

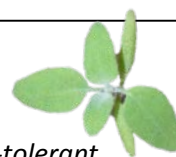
### Abbreviations used in Section 2

Insect targets	
BCW	black cutworm
CEW	corn earworm
ECB	European corn borer
FAW	fall armyworm
RW	corn rootworm
SB	stalk borer
SWCB	southern corn borer
TAW	true armyworm
WBC	western bean cutworm



### Herbicide activity

DI	<i>dicamba tolerant</i>
GT	<i>glyphosate tolerant</i>
LL	Liberty Link, <i>glufosinate-tolerant</i>
RR2	Roundup Ready 2, <i>glyphosate-tolerant</i>



### Refuge placement

RIB - Refuge In the Bag w/in - within adj - adjacent

**Section 2. Bt corn trait packages, with spectrum of control and refuge requirements.**

Updated April 2016

Trait Family Product	Bt protein(s)	Insects controlled or <i>suppressed</i> Above-ground-----In soil	Herbicide tolerance	Refuge %, placement for the MIDWEST
<b>AGRISURE</b>				
Agrisure 3010, 3010A	Cry1Ab	ECB SWCB <i>CEW FAW SB</i>	---	GT LL 20% structured ½ mile
Agrisure 3000GT, 3011A	Cry1Ab mCry3A	ECB SWCB <i>CEW FAW SB</i>	RW	GT LL 20% structured w/in, adj
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	GT LL 20% structured ½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	RW	GT LL 20% structured w/in, adj
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	GT 5% RIB
Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	GT 5% RIB
Agrisure Duracade 5122 E-Z Refuge	Cry1Ab Cry1F mCry3A eCry3.1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	GT 5% RIB
Agrisure Duracade 5222 E-Z Refuge	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	BCW <i>CEW ECB FAW</i> SB SWCB TAW WBC	RW	GT 5% RIB
<b>HERCULEX</b>				
Herculex 1 (HX1)	Cry1F	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	---	LL 20% structured ½ mile
Herculex RW (HXRW)	Cry34/35Ab1	---	RW	RR2 (most) 20% structured w/in, adj
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	RR2 (most) 20% structured w/in, adj
<b>OPTIMUM</b>				
Intrasect (YHR)	Cry1F Cry1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	---	LL RR2 5% structured ½ mile
AcreMax (AM)	Cry1F Cry1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	---	LL RR2 5% RIB
<sup>a</sup> Leptra (VYHR)	Cry1F Cry1Ab Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	LL RR2 <sup>a</sup> 5% structured ½ mile
<sup>b</sup> AcreMax Leptra (AML)				<sup>b</sup> 5% RIB
AcreMax RW (AMRW)	Cry34/35Ab1	---	RW	LL RR2 10% RIB
AcreMax1 (AM1)	Cry1F Cry34/35Ab1	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	LL RR2 10% RIB (RW) + 20% structured ½ mile (ECB)
TRIssect (CHR)	Cry1F mCry3A	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	LL RR2 20% structured w/in, adj
<sup>a</sup> Intrasect TRIssect (CYHR)	Cry1F Cry1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	LL RR2 <sup>a</sup> 20% structured w/in, adj
<sup>b</sup> AcreMax TRIssect (AMT)	mCry3A			<sup>b</sup> 10% RIB
<sup>a</sup> Intrasect Xtra (YXR)	Cry1F Cry1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	LL RR2 <sup>a</sup> 20% structured w/in, adj
<sup>b</sup> AcreMax Xtra (AMX)	Cry34/35Ab1			<sup>b</sup> 10% RIB
<sup>a</sup> Intrasect Xtreme (CYXR)	Cry1F Cry1Ab	BCW ECB <i>FAW SB</i> SWCB WBC <i>CEW</i>	RW	LL RR2 <sup>a</sup> 5% structured w/in, adj
<sup>b</sup> AcreMax Xtreme (AMXT)	mCry3A Cry34/35Ab1			<sup>b</sup> 5% RIB
<b>YIELDGARD / GENUITY</b>				
YieldGard CB (YGCB)	Cry1Ab	ECB SWCB <i>CEW FAW SB</i>	---	RR2 20% structured ½ mile
YieldGard VT Rootworm	Cry3Bb1	---	RW	RR2 20% structured w/in, adj
YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB SWCB <i>CEW FAW SB</i>	RW	RR2 20% structured w/in, adj
<sup>a</sup> Genuity VT Double PRO	Cry1A.105 Cry2Ab2	<i>CEW ECB FAW SB</i> SWCB	---	RR2 <sup>a</sup> 5% structured ½ mile
<sup>b</sup> or 'RIB complete'				<sup>b</sup> 5% RIB
<sup>a</sup> Genuity VT Triple PRO	Cry1A.105 Cry2Ab2 Cry3Bb1	<i>CEW ECB FAW SB</i> SWCB	RW	RR2 <sup>a</sup> 20% structured w/in, adj
<sup>b</sup> or 'RIB complete'				<sup>b</sup> 10% RIB
<sup>a</sup> Genuity SmartStax	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW <i>CEW ECB FAW</i> SB SWCB WBC	RW	LL RR2 <sup>a</sup> 5% structured w/in, adj
<sup>b</sup> or 'RIB Complete'				<sup>b</sup> 5% RIB
<b>OTHERS</b>				
<sup>a</sup> Powercore	Cry1A.105 Cry2Ab2 Cry1F	BCW <i>CEW ECB FAW</i> SB SWCB WBC	---	LL RR2 <sup>a</sup> 5% structured ½ mile
<sup>b</sup> Powercore Refuge Adv.				<sup>b</sup> 5% RIB
<sup>a</sup> Smartstax	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW <i>CEW ECB FAW</i> SB SWCB WBC	RW	LL RR2 <sup>a</sup> 5% structured w/in, adj
<sup>b</sup> Smartstax Refuge Adv.				<sup>b</sup> 5% RIB

**Table 2. 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>						
			2016	2015	2016	2015	2016	2015	2016	2015								
-----Relative Ton per Acre <sup>3</sup> -----																		
Augusta	A7769GT3110	119	119	*							119	1						
NK	N66V-3000GT	110	109			120	*				114	2						
Augusta	A1565GTCBLL	115	114	*							114	1						
Augusta	A6867GTCBLL	117	124	*	100						112	2						
Seed Consultants	SCS 11HR63	115	108	103	*	105	118	*	107	*	119	*	97	123	*	110	8	
Augusta	A9074GT3110	124	109								109	1						
T. A. Seeds	TA780-13VPRIB	116	108								108	1						
Seed Consultants	SC 11AQ17	110	130	*		102		103	*		99	*	108	4				
Seed Consultants	SCS 1187YHR	117	117	*		103		100		112	*	108	4					
Seed Consultants	SCS 1125YHR	111	114	*		106		100		112	*	108	4					
Augusta	A8868VT3Pro	118	113	*	115	*	99	120	*	105	*	113	*	93	103	*	108	8
T. A. Seeds	TA736-22DPRIB	113	107								107	1						
Doebler's	RPM@ 747AM™	116	100			117	*	98		114	*	107	4					
Augusta	A7668GT3110	118	106								106	1						
Channel	218-44STXRIB	118	99			114	*	105	*	104	*	106	4					
Masters Choice	MCT 6733	117	90							121	*	105	2					
Phoenix	7402A3	118	102			100		110	*	106	*	105	4					
Augusta	A4363VT2Pro	113	112	*	123	*		92			90	104	4					
Pioneer	1637AM	116	110	*		107	105	93	109	103	*	99	103	7				
Seed Consultants	SC 10AGT96	108	98			112	*	97		108	*	103	4					
Doebler's	5815GRQ™	118	102	103	*	103	101	103	*	106	98	106	*	103	8			
Dyna-Gro	D54DC94	114	94	117	*					89	106	*	102	4				
Seed Consultants	SC 11AGT74	116	97	99		107	101	106	*	98	99	*	106	*	102	8		
Pioneer	0843AM	108	111	*		87		108	*		98		101	4				
Pioneer	2088AMX	120	89	111	*	95	102	91	104	100	*	109	*	100	8			
Augusta	A4959GT3110	109	100								100	1						
AgriGold	A6462STXRIB	110	106			92					99	2						
Pioneer	1197AMXT	111	104			96		92		104	*	99	4					
Phoenix	7914A4	115	99			97		102	*	97		99	4					

**Table 2. 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>
			2016	2015	2016	2015	2016	2015	2016	2015		
-----Relative Ton per Acre <sup>3</sup> -----												
Dyna-Gro	D58QC72	118	76	106 *					106 *	107 *	99	4
Dyna-Gro	D58VC65	118	91						107 *		99	2
Augusta	A5062GT3110	112	86		108 *				103 *		99	3
Seed Consultants	SCS 1136YHR	112	104		95		98		96		98	4
Seed Consultants	SC 11AGT43	113	102	101	99		99	97	100 *	89	98	7
Augusta	A7768GT3110	118	94	86		99			104 *	108 *	98	5
Doebler's	RPM® 5125AM™	111	93		90		101		107 *		98	4
NK	N69D-3000GT	112	89		107						98	2
AgriGold	A6517VT3PRIB	113	104	101	88			98			98	4
Augusta	A7667GT3110	117	97								97	1
NK	N83D-3000GT	118	98	93	94	101					96	4
Augusta	A5465GTCBLL	115	98	93							96	2
Channel	215-05STXRIB	115	93	108 *	85	100	87	94	106 *	92	96	8
Channel	216-36STXRIB	116	89		106		102 *		82		95	4
Masters Choice	MCT 6363	113	91						97		94	2
Doebler's	5615GRQ™	116	89	87	79	101	103 *	100	92	93	93	8
Augusta	A7664VT3Pro	114	91	90							90	2
Channel	217-92VT2PRIB	117	78		92		99		92		90	4
AgriGold	A6573VT3PRIB	114	82	84	92			102			90	4
Masters Choice	MCT 6153	111	87	115 *		92			85	69	90	5
Phoenix	6190A4	112	85		101		95		71		88	4
Augusta	A5262GTCBLL	112	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 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 3. 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>
			2016	2015	2016	2015	2016	2015	2016	2015		
-----Relative Milk per Ton <sup>3</sup> -----												
Seed Consultants	SCS 1125YHR	111	133 *		114 *		107 *		113 *		117	4
Dyna-Gro	D58QC72	118	147 * 99						112 * 108 *		117	4
NK	N69D-3000GT	112	110 *		119 *						114	2
AgriGold	A6462STXRIB	110	123 *		105						114	2
Masters Choice	MCT 6363	113	109 *						117 *		113	2
Doebler's	5615GRQ™	116	135 * 101 *		130 * 103		112 * 101 *		113 * 101		112	8
Augusta	A7664VT3Pro	114	120 * 99								110	2
Augusta	A5262GTCBLL	112	109 *								109	1
Seed Consultants	SCS 1136YHR	112	117 *		111 *		102 *		104		109	4
Augusta	A5465GTCBLL	115	112 * 104 *								108	2
T. A. Seeds	TA780-13VPRIB	116	108 *								108	1
Pioneer	1197AMXT	111	106		114 *		100		109 *		107	4
T. A. Seeds	TA736-22DPRIB	113	106								106	1
Pioneer	0843AM	108	109 *		106		115 *		94		106	4
AgriGold	A6517VT3PRIB	113	110 * 104 *		110			102 *			106	4
Doebler's	RPM® 5125AM™	111	106		103		114 *		96		105	4
Seed Consultants	SC 11AGT74	116	113 * 105 *		103	101	107 * 104 *		99	99	104	8
Channel	216-36STXRIB	116	110 *		96		102 *		103		103	4
Augusta	A4959GT3110	109	102								102	1
Masters Choice	MCT 6153	111	108 * 100 *			104 *			96	98	101	5
NK	N83D-3000GT	118	118 * 101 *		88	98					101	4
Augusta	A5062GT3110	112	119 *		87				97		101	3
Pioneer	1637AM	116	105		101	100	102 * 99 *		96	99	100	7
Augusta	A6867GTCBLL	117	99 101 *								100	2
Phoenix	7402A3	118	103		94		101 *		102		100	4
Seed Consultants	SCS 11HR63	115	106 101 *		87	102	85 98 *		120 * 99		100	8
Augusta	A8868VT3Pro	118	114 * 99		91	95	102 * 104 *		92	99	100	8
AgriGold	A6573VT3PRIB	114	88 106 *		103			101 *			100	4
Augusta	A7768GT3110	118	84 101 *			98			106	108 *	99	5



**Table 3. 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>
			2016	2015	2016	2015	2016	2015	2016	2015		
-----Relative Milk per Ton <sup>3</sup> -----												
Augusta	A4363VT2Pro	113	102	101 *		99				95	99	4
Doebler's	RPM® 747AM™	116	86		104		101		102		98	4
Doebler's	5815GRQ™	118	93	100	91	100	105 *	98	97	101	98	8
Dyna-Gro	D54DC94	114	105	96					92	99	98	4
Phoenix	6190A4	112	112 *		82		100		95		97	4
Pioneer	2088AMX	120	87	103 *	92	99	107 *	105 *	81	103	97	8
Seed Consultants	SC 11AGT43	113	105	102 *	95		86	96	94	101	97	7
Channel	215-05STXRIB	115	105	100 *	87	96	90	103 *	94	95	96	8
Seed Consultants	SC 11AQ17	110	84		104		103 *		90		95	4
Seed Consultants	SC 10AGT96	108	82		87		108 *		95		93	4
NK	N66V-3000GT	110	97		89						93	2
Seed Consultants	SCS 1187YHR	117	87		98		95		91		93	4
Masters Choice	MCT 6733	117	84						98		91	2
Dyna-Gro	D58VC65	118	78						103		91	2
Channel	217-92VT2PRIB	117	45		109		97		91		86	4
Phoenix	7914A4	115	49		94		79		106		82	4
Augusta	A9074GT3110	124	81								81	1
Augusta	A7667GT3110	117	79								79	1
Augusta	A7668GT3110	118	77								77	1
Channel	218-44STXRIB	118	39		92		77		100		77	4
Augusta	A7769GT3110	119	75								75	1
Augusta	A1565GTCBLL	115	50								50	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 4. 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>
			2016	2015	2016	2015	2016	2015	2016	2015		
-----Relative Milk per Acre <sup>3</sup> -----												
T. A. Seeds	TA780-13VPRIB	116	131 *								131	1
Seed Consultants	SCS 1125YHR	111	162 *		122 *		108 *		126 *		129	4
AgriGold	A6462STXRIB	110	133 *		97						115	2
Dyna-Gro	D58QC72	118	111	105 *					119 *	116 *	113	4
NK	N66V-3000GT	110	114		108 *						111	2
Seed Consultants	SCS 11HR63	115	128 *	104	92	120 *	90	116 *	113 *	123 *	111	8
Masters Choice	MCT 6363	113	106						114 *		110	2
T. A. Seeds	TA736-22DPRIB	113	110								110	1
Augusta	A6867GTCBLL	117	117 *	102							109	2
Pioneer	0843AM	108	123 *		95		125 *		92		109	4
NK	N69D-3000GT	112	88		128 *						108	2
Seed Consultants	SCS 1136YHR	112	122 *		106 *		100		100		107	4
Augusta	A5465GTCBLL	115	117 *	96							107	2
Augusta	A8868VT3Pro	118	119 *	114 *	91	115 *	106	118 *	86	102	106	8
Augusta	A4363VT2Pro	113	119 *	124 *		92				86	105	4
Seed Consultants	SC 11AGT74	116	107	98	110 *	102	113 *	107 *	99	105	105	8
Seed Consultants	SC 11AQ17	110	116 *		106 *		106		91		105	4
Augusta	A4959GT3110	109	105								105	1
Pioneer	1197AMXT	111	104		110 *		93		111 *		105	4
Doebler's	RPM® 747AM™	116	82		123 *		98		115 *		104	4
AgriGold	A6517VT3PRIB	113	114	104	100			99			104	4
Pioneer	1637AM	116	113		110 *	105	95	107 *	99	96	104	7
Doebler's	5615GRQ™	116	116 *	88	103 *	104	115 *	101	105 *	94	103	8
Phoenix	7402A3	118	96		94		111 *		108 *		102	4
Doebler's	RPM® 5125AM™	111	95		93		115 *		103 *		101	4
Doebler's	5815GRQ™	118	91	103	95	101	109 *	104	95	106	100	8
Seed Consultants	SCS 1187YHR	117	101		102		95		103 *		100	4
Masters Choice	MCT 6733	117	80						119 *		100	2
Dyna-Gro	D54DC94	114	96	112 *					83	106	99	4

**Table 4. 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>
			2016	2015	2016	2015	2016	2015	2016	2015		
-----Relative Milk per Acre <sup>3</sup> -----												
Channel	216-36STXRIB	116	103		103 *		104		84		99	4
Seed Consultants	SC 10AGT96	108	86		97		105		103 *		98	4
Pioneer	2088AMX	120	75	114 *	89	101	98	109 *	81	112 *	97	8
NK	N83D-3000GT	118	115 *	91	83	100					97	4
Augusta	A7768GT3110	118	72	86		97			108 *	117 *	96	5
Augusta	A7664VT3Pro	114	102	89							95	2
Augusta	A5262GTCBLL	112	95								95	1
Seed Consultants	SC 11AGT43	113	103	103	95		85	94	97	89	95	7
Augusta	A5062GT3110	112	91		93				99		94	3
Dyna-Gro	D58VC65	118	78						110 *		94	2
Channel	215-05STXRIB	115	102	108 *	75	96	78	96	100	88	93	8
Augusta	A7769GT3110	119	93								93	1
Masters Choice	MCT 6153	111	94	115 *		96			81	68	91	5
AgriGold	A6573VT3PRIB	114	71	88	96			103			89	4
Augusta	A9074GT3110	124	85								85	1
Phoenix	6190A4	112	96		83		94		67		85	4
Augusta	A7668GT3110	118	85								85	1
Channel	218-44STXRIB	118	38		105 *		80		104 *		82	4
Phoenix	7914A4	115	49		93		81		102 *		81	4
Augusta	A7667GT3110	117	80								80	1
Channel	217-92VT2PRIB	117	35		102		96		85		80	4
Augusta	A1565GTCBLL	115	57								57	1

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

<sup>2</sup> Hybrids tested over more site/year combinations provide a better estimate of hybrid performance than those tested 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 5. 2016 Corn Silage Test Results at the Shenandoah Valley 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	ton/acre	-----%	Mcal/lb	%	lb milk/ton	lb milk/acre												
Seed Consultants	SCS 1125YHR	111	47.79	*	36.29	*	12.70	*	8.21	27.12	*	46.80	*	61.93	*	0.55	*	57.39	*	2206	*	29660	*
AgriGold	A6462STXRIB	110	44.47	*	33.82	*	11.84	*	7.67	27.40	*	47.83	*	59.66	*	0.53	*	54.44	*	2037	*	24416	*
T. A. Seeds	TA780-13VPRIB	116	42.41		34.54		12.09		8.27	26.38	*	46.91	*	60.70	*	0.50		50.14	*	1785	*	23950	*
Seed Consultants	SCS 11HR63	115	40.40		34.50		12.08		8.14	28.20		49.88		57.08		0.50		48.82		1751		23383	*
Pioneer	0843AM	108	44.31		35.46	*	12.41	*	8.39	26.74	*	46.64	*	60.21	*	0.50		50.45	*	1796	*	22604	*
Seed Consultants	SCS 1136YHR	112	40.02		33.20		11.62		8.43	27.60		48.11	*	62.79	*	0.52	*	52.09	*	1937	*	22394	*
Augusta	A8868VT3Pro	118	40.58		35.89	*	12.56	*	7.72	27.93		50.24		61.41	*	0.52	*	51.45	*	1884	*	21785	*
Augusta	A4363VT2Pro	113	42.76		35.68	*	12.49	*	8.68	26.68	*	49.70		56.56		0.49		48.77		1683		21750	*
Augusta	A5465GTCBLL	115	39.88		31.34		10.97		8.01	28.65		50.86		61.98	*	0.51	*	51.11	*	1859	*	21507	*
Augusta	A6867GTCBLL	117	43.02		39.55	*	13.84	*	7.92	29.01		51.28		58.43		0.48		47.51		1629		21460	*
Doebler's	5615GRQ™	116	41.31		28.22		9.88		7.55	28.15		47.84	*	60.23		0.56	*	56.93	*	2230	*	21360	*
Seed Consultants	SC 11AQ17	110	43.35		41.36	*	14.48	*	7.46	28.64		50.64		61.17	*	0.46		43.97		1391		21283	*
NK	N83D-3000GT	118	39.34		31.27		10.94		8.07	27.87		49.10		61.91	*	0.53	*	52.05	*	1945	*	21109	*
NK	N66V-3000GT	110	41.89		34.75		12.16		8.07	26.88	*	46.17	*	58.42		0.49		46.61		1601		20924	
AgriGold	A6517VT3PRIB	113	41.15		33.09		11.58		8.26	27.07	*	48.95		58.11		0.51	*	50.23	*	1815	*	20864	
Pioneer	1637AM	116	42.80		35.11	*	12.29	*	8.28	28.02		50.90		60.33	*	0.49		50.11	*	1741	*	20783	
Dyna-Gro	D58QC72	118	37.32		24.28		8.50		7.97	28.76		51.01		60.81	*	0.59	*	60.20	*	2438	*	20274	
T. A. Seeds	TA736-22DPRIB	113	43.22		34.24		11.98		8.10	26.81	*	47.46	*	61.52	*	0.50		49.92	*	1759	*	20093	
Seed Consultants	SC 11AGT74	116	39.13		31.01		10.85		8.37	27.21	*	48.57		60.04		0.52	*	50.61	*	1866	*	19622	
Masters Choice	MCT 6363	113	41.31		29.09		10.18		8.10	27.48	*	48.04	*	60.54	*	0.51		50.05	*	1802	*	19492	
Augusta	A4959GT3110	109	42.37		31.85		11.15		8.32	26.63	*	49.26		59.96		0.49		48.75		1686		19197	
Pioneer	1197AMXT	111	42.60		33.24		11.64		8.50	26.58	*	47.58	*	58.61		0.50		50.01	*	1755		19089	
Seed Consultants	SC 11AGT43	113	42.86		32.38		11.33		7.89	28.46		48.89		59.56		0.50		49.20	*	1733		18928	
Channel	216-36STXRIB	116	41.84		28.38		9.93		7.85	27.98		48.71		59.80		0.51	*	50.37	*	1815	*	18858	
Channel	215-05STXRIB	115	41.20		29.61		10.37		8.49	27.21	*	48.76		57.65		0.50		48.84		1740		18683	
Augusta	A7664VT3Pro	114	38.50		28.87		10.10		8.93	26.90	*	49.58		62.10	*	0.53	*	52.91	*	1991	*	18630	
Seed Consultants	SCS 1187YHR	117	43.57		37.26	*	13.04	*	8.22	27.77		48.78		61.28	*	0.46		44.10		1437		18474	
Phoenix	7402A3	118	38.55		32.66		11.43		8.56	26.95	*	47.95	*	63.45	*	0.50		47.79		1695		17657	
Phoenix	6190A4	112	42.18		27.14		9.50		7.98	27.07	*	45.89	*	58.07		0.52	*	51.00	*	1857	*	17562	
Dyna-Gro	D54DC94	114	43.91		30.03		10.51		8.14	28.05		49.85		59.31		0.49		49.47	*	1729		17547	
Doebler's	5125AM™	111	41.76		29.49		10.32		8.34	27.05	*	50.10		61.01	*	0.50		50.19	*	1759		17472	
Augusta	A5262GTCBLL	112	41.91		27.40		9.59		7.67	28.54		48.34		58.82		0.51		49.92	*	1798	*	17437	
Masters Choice	MCT 6153	111	41.79		27.85		9.75		7.92	27.71		48.58		59.41		0.50		50.23	*	1790	*	17249	
Augusta	A7769GT3110	119	41.67		38.00	*	13.30	*	7.92	28.98		49.90		62.35	*	0.44		40.61		1236		17006	
Augusta	A5062GT3110	112	40.62		27.36		9.58		8.16	28.12		47.00	*	60.63	*	0.53	*	52.83	*	1976	*	16653	
Doebler's	5815GRQ™	118	39.03		32.53		11.38		8.15	27.34	*	47.69	*	61.04	*	0.49		45.23		1544		16630	
NK	N69D-3000GT	112	41.68		28.26		9.89		7.51	28.40		49.15		60.40	*	0.51		50.18	*	1816	*	16191	
Seed Consultants	SC 10AGT96	108	43.47		31.15		10.90		8.04	28.12		48.93		61.64	*	0.45		43.78		1361		15802	
Augusta	A9074GT3110	124	36.23		34.82		12.19		8.16	31.74		55.12		61.98	*	0.46		41.63		1345		15659	
Augusta	A7668GT3110	118	41.88		33.90		11.86		8.14	27.94		50.12		60.63	*	0.45		41.41		1276		15571	
Doebler's	747AM™	116	39.95		31.81		11.13		7.91	28.42		49.24		61.31	*	0.47		43.46		1426		15006	
Masters Choice	MCT 6733	117	37.77		28.70		10.05		7.81	29.21		51.65		62.23	*	0.46		42.47		1388		14729	
Augusta	A7667GT3110	117	45.00	*	30.90		10.81		8.41	27.12	*	46.83	*	60.92	*	0.45		42.67		1309		14608	
Dyna-Gro	D58VC65	118	42.31		29.07		10.17		7.84	27.44	*	48.61		56.33		0.45		41.39		1292		14372	
Pioneer	2088AMX	120	40.35		28.39		9.94		8.22	27.29	*	48.73		62.93	*	0.47		43.73		1437		13722	
Augusta	A7768GT3110	118	39.43		29.89		10.46		8.03	28.46		49.66		62.16	*	0.46		42.69		1386		13261	
AgriGold	A6573VT3PRIB	114	42.28		26.16		9.15		8.68	26.16	*	46.98	*	61.38	*	0.47		44.56		1452		13020	
Augusta	A1565GTCBLL	115	43.63		36.46	*	12.76	*	8.35	25.90	*	44.78	*	58.89	*	0.40		34.96		825		10452	
Phoenix	7914A4	115	40.47		31.70		11.10		8.13	27.40	*	49.91		63.52	*	0.40		33.38		814		8982	
Channel	218-44VT2RIB	118	45.83	*	31.63		11.07		7.73	27.81		49.72		59.86		0.37		31.32		643		7058	
Channel	217-92VT2PRIB	117	41.19		24.90		8.72		7.58	28.41		51.24		61.27	*	0.39		32.14		744		6480	

**Table 5. 2016 Corn Silage Test Results at the Shenandoah Valley 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
	Site Average		41.61	31.85	11.15	8.10	27.72	48.91	60.44	0.49	47.33	1632	18053
	LSD (0.10)		3.44	6.47	2.26	0.48	1.65	3.35	3.24	0.08	11.11	679	8626
	C.V.		6.38	15.62	15.62	4.55	4.57	5.27	4.13	12.53	17.93	32	36

<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 6. Two-Year Corn Silage Test Results (2015 & 2016) at the Shenandoah Valley 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
T. A. Seeds	TA780-13VPRIB	116	40.69	31.02 *	10.86 *	8.20 *	26.83 *	47.08 *	60.12 *	0.54 *	55.40 *	2138 *	23946 *
Augusta	A4363VT2Pro	113	46.00	34.50 *	12.07 *	8.15 *	27.86 *	50.35	59.19	0.51	53.42	1955	23910 *
Augusta	A8868VT3Pro	118	45.41 *	33.66 *	11.78 *	7.43	28.68	50.67	60.40 *	0.53 *	54.71 *	2055 *	22959 *
Seed Consultants	SCS 11HR63	115	46.53 *	31.06 *	10.87 *	7.77	28.30	49.51 *	57.51	0.52 *	53.98	2036 *	22952 *
Augusta	A5262GTCBLL	112	43.30	28.08	9.83	7.48	28.53	47.50 *	59.73	0.55 *	56.65 *	2208 *	21817 *
Dyna-Gro	D58QC72	118	45.36 *	26.68	9.34	7.43	29.14	50.59	59.23	0.56 *	59.43 *	2353 *	21705 *
Augusta	A6867GTCBLL	117	45.89 *	33.21 *	11.62 *	7.59	29.55	51.42	59.91	0.51	53.64	1981	21702 *
AgriGold	A6517VT3PRIB	113	46.15 *	31.04 *	10.87 *	7.90 *	27.30 *	48.86 *	58.59	0.52 *	53.69	2005	21404 *
Augusta	A5465GTCBLL	115	45.29 *	29.20	10.22	7.70	28.90	50.90	62.02 *	0.53 *	54.29 *	2035 *	21280 *
Masters Choice	MCT 6153	111	48.16 *	29.29	10.25	7.47	28.92	50.09	60.54 *	0.52	54.84 *	2045 *	20997 *
Channel	215-05STXRIB	115	47.28 *	29.20	10.22	7.90	28.12 *	49.48 *	59.54	0.52	54.04	2022	20964 *
Dyna-Gro	D54DC94	114	47.85 *	30.71 *	10.75 *	7.37	29.89	51.59	60.14 *	0.51	53.71	1970	20893 *
NK	N83D-3000GT	118	44.65	28.51	9.98	8.32 *	27.79 *	49.28 *	62.45 *	0.53 *	54.68 *	2074 *	20630 *
Seed Consultants	SC 11AGT43	113	47.14 *	30.09	10.53	7.45	29.38	50.24	60.73 *	0.52	53.81	1994	20314 *
Doebler's	5615GRQ™	116	47.03 *	25.79	9.03	7.25	28.15 *	47.59 *	58.13	0.55 *	58.04 *	2282 *	20203 *
Seed Consultants	SC 11AGT74	116	47.23 *	29.06	10.17	7.95 *	27.59 *	48.49 *	58.52	0.53 *	53.97	2048 *	20106 *
Doebler's	5815GRQ™	118	45.24 *	30.08	10.53	7.56	28.48	49.66	60.91 *	0.52	52.27	1920	19424
Pioneer	2088AMX	120	47.41 *	29.00	10.15	7.70	27.87 *	48.34 *	61.18 *	0.51	51.88	1909	19189
Augusta	A7664VT3Pro	114	45.91 *	25.76	9.02	7.99 *	28.04 *	49.87	61.63 *	0.54 *	56.84 *	2179 *	19023
AgriGold	A6573VT3PRIB	114	47.75 *	24.00	8.40	7.94 *	27.43 *	47.95 *	61.05 *	0.51	51.59	2014	16462
Augusta	A7768GT3110	118	44.58	26.44	9.25	7.53	29.03	50.18	61.68 *	0.51	51.08	1852	15956
Site Average			45.94	29.35	10.27	7.72	28.37	49.51	60.15	0.53	54.38	2051	20754
LSD (0.10)			3.10	4.25	1.49	0.44	1.40	2.50	2.39	0.04	5.34	325	4494
C.V.			7.50	16.11	16.11	6.37	5.52	5.65	4.44	8.18	10.85	18	24

<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. Three-Year Corn Silage Test Results (2014, 2015 & 2016) at the Shenandoah Valley 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	ton/acre	-----%	Mcal/lb	%	lb milk/ton	lb milk/acre			
Seed Consultants	SCS 11HR63	115	44.98 *	31.48 *	11.02 *	7.59	29.09	50.58	58.75	0.54	56.07	2159	24349 *	
Augusta	A6867GTCBLL	117	43.52	32.13 *	11.24 *	7.58	29.35	51.61	60.91 *	0.54	57.14 *	2216 *	24016 *	
Augusta	A8868VT3Pro	118	44.11 *	31.98 *	11.19 *	7.34	28.84 *	50.90	60.89 *	0.54	57.07 *	2208 *	23742 *	
T. A. Seeds	TA780-13VPRIB	116	41.19	29.69 *	10.39 *	7.82 *	28.06 *	49.39 *	60.29	0.55 *	56.79 *	2214 *	23404 *	
Augusta	A5465GTCBLL	115	44.11 *	29.67 *	10.38 *	7.71	28.85 *	50.55	62.39 *	0.55 *	57.14 *	2212 *	23296 *	
Augusta	A5262GTCBLL	112	44.01 *	28.95 *	10.13 *	7.43	28.77 *	48.32 *	60.21	0.55 *	57.09 *	2223 *	22634 *	
NK	N83D-3000GT	118	44.84 *	28.78 *	10.07 *	8.14 *	27.59 *	48.71 *	62.15 *	0.55 *	56.87 *	2207 *	22192 *	
Augusta	A7664VT3Pro	114	43.09	27.31	9.56	7.91 *	28.21 *	50.72	61.23 *	0.56 *	59.05 *	2341 *	22175 *	
Seed Consultants	SC 11AGT74	116	46.09 *	29.41 *	10.29 *	7.88 *	27.67 *	49.26 *	59.85	0.54	56.29	2183	22065 *	
Seed Consultants	SC 11AGT43	113	46.43 *	30.13 *	10.54 *	7.39	29.49	50.76	60.84 *	0.53	55.56	2095	21603 *	
Pioneer	2088AMX	120	45.76 *	29.28 *	10.25 *	7.63	28.06 *	49.06 *	61.44 *	0.53	54.80	2081	21267 *	
Dyna-Gro	D58QC72	118	43.67	24.76	8.67	7.64	28.39 *	49.98 *	59.86	0.57 *	60.45 *	2432 *	20863 *	
Doebler's	5615GRQ™	116	44.68 *	24.75	8.66	7.37	27.78 *	48.28 *	59.00	0.57 *	59.61 *	2391 *	20429	
Doebler's	5815GRQ™	118	44.60 *	27.86	9.75	7.65	28.13 *	49.64 *	61.14 *	0.53	54.74	2074	19305	
Site Average			44.36	29.01	10.15	7.65	28.45	49.84	60.64	0.55	57.05	2217	22239	
LSD (0.10)			2.55	3.47	1.21	0.38	1.27	2.18	1.90	0.03	3.73	231	3590	
C.V.			7.71	16.08	16.08	6.91	6.23	6.11	4.38	6.74	8.72	14	22	

<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 8. 2016 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			
NK	N69D-3000GT	112	33.86	21.21	7.42	7.46	26.63	45.50	58.52	0.51	43.65	1546	11449
Doebler's	747AM™	116	32.90	23.18	8.11	7.48	27.95	48.48	62.22	0.48	40.43	1354	11025
Seed Consultants	SCS 1125YHR	111	31.99	21.06	7.37	7.77	27.37	46.86	60.34	0.50	42.47	1482	10950
Pioneer	1197AMXT	111	32.06	19.14	6.70	7.76	28.14	46.50	59.90	0.50	42.57	1482	9893
Seed Consultants	SC 11AGT74	116	34.39	21.18	7.41	7.95	27.40	47.28	61.92	0.48	40.50	1332	9878
Pioneer	1637AM	116	34.11	21.26	7.44	7.91	27.18	48.07	61.72	0.47	40.07	1314	9830
NK	N66V-3000GT	110	36.19	23.82	8.34	7.11	28.78	48.83	59.20	0.45	37.89	1155	9658
Seed Consultants	SCS 1136YHR	112	31.62	18.82	6.59	8.36	25.64	44.14	61.77	0.53	45.42	1659	9506
Seed Consultants	SC 11AQ17	110	33.73	20.19	7.07	7.28	27.93	48.22	59.91	0.48	40.55	1357	9504
Channel	218-44VT2PRIB	118	35.98	22.58	7.90	7.61	27.71	48.43	58.66	0.46	38.50	1196	9419
Doebler's	5615GRQ™	116	33.19	15.65	5.48	7.79	26.24	43.82	59.53	0.53	45.91	1691	9268
Channel	216-36STXRIB	116	34.79	21.05	7.37	7.87	26.64	48.65	60.27	0.47	39.14	1253	9243
Channel	217-92VT2PRIB	117	33.68	18.26	6.39	7.71	27.70	47.34	59.81	0.49	41.58	1420	9128
Seed Consultants	SCS 1187YHR	117	32.83	20.54	7.19	7.65	27.62	49.47	61.63	0.47	39.11	1269	9105
AgriGold	A6517VT3PRIB	113	34.19	17.57	6.15	7.54	27.25	46.47	56.59	0.49	41.86	1424	8984
Seed Consultants	SC 10AGT96	108	36.34	22.17	7.76	7.13	29.23	48.44	59.43	0.45	37.62	1124	8730
AgriGold	A6462STXRIB	110	32.91	18.37	6.43	7.55	28.19	48.55	61.78	0.48	40.48	1359	8722
AgriGold	A6573VT3PRIB	114	32.08	18.25	6.39	7.88	27.82	48.63	59.39	0.48	40.26	1343	8564
Pioneer	0843AM	108	33.10	17.24	6.03	8.01	27.89	47.47	60.23	0.49	41.08	1383	8531
Seed Consultants	SC 11AGT43	113	34.80	19.74	6.91	7.42	28.86	48.77	59.34	0.46	38.82	1229	8516
Doebler's	5815GRQ™	118	33.05	20.52	7.18	7.40	28.84	51.23	62.15	0.45	37.54	1182	8494
Phoenix	7402A3	118	33.48	19.81	6.93	7.75	27.97	50.29	62.06	0.46	38.26	1218	8428
Augusta	A5062GT3110	112	35.52	21.43	7.50	7.31	29.16	49.83	59.85	0.45	37.34	1134	8371
Doebler's	5125AM™	111	33.28	17.94	6.28	7.79	27.93	47.62	62.21	0.48	40.46	1336	8329
Phoenix	7914A4	115	32.11	19.34	6.77	7.42	29.05	51.30	61.16	0.46	38.05	1225	8319
Seed Consultants	SCS 11HR63	115	34.10	20.87	7.30	6.90	29.76	51.28	61.15	0.45	36.96	1136	8275
Augusta	A8868VT3Pro	118	31.50	19.74	6.91	7.42	29.08	51.48	61.56	0.45	37.49	1183	8162
Pioneer	2088AMX	120	32.71	18.97	6.64	7.40	29.01	51.11	61.82	0.46	37.79	1199	7937
NK	N83D-3000GT	118	34.09	18.66	6.53	7.71	28.71	50.83	63.42	0.45	37.10	1137	7440
Phoenix	6190A4	112	38.67	20.08	7.03	7.76	27.70	48.10	59.21	0.44	36.97	1064	7414
Channel	215-05STXRIB	115	33.21	16.81	5.88	7.29	29.45	51.03	59.71	0.45	36.97	1131	6737
Site Average			33.76	19.85	6.95	7.59	28.03	48.52	60.53	0.47	39.77	1300	8962
LSD (0.10)			2.17	2.54	0.89	0.58	1.96	3.79	2.06	0.04	3.95	241	2207
C.V.			5.17	9.87	9.87	6.17	5.61	6.26	2.73	6.35	7.98	15	19

<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. Two-Year Corn Silage Test Results (2015 & 2016) 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	
Pioneer	1637AM	116	32.55	25.20 *	8.82 *	7.89 *	27.61	48.40	58.87 *	0.58	56.15 *	2310 *	21445 *
Seed Consultants	SCS 11HR63	115	32.77	26.29 *	9.20 *	7.39	28.90	49.59	59.00 *	0.56	52.86	2118	21334 *
Doebler's	5815GRQ™	118	32.40	24.36	8.53	7.83 *	28.37	49.97	59.55 *	0.57	55.05	2245	20197 *
Pioneer	2088AMX	120	30.44	23.87	8.36	7.75 *	29.23	50.94	59.71 *	0.57	54.95	2233	20022 *
Doebler's	5615GRQ™	116	32.22	21.37	7.48	7.89 *	26.55 *	44.98 *	57.59	0.61 *	57.46 *	2413 *	19506
Augusta	A8868VT3Pro	118	32.92 *	25.19 *	8.82 *	7.58	28.77	50.87	59.61 *	0.53	49.87	1920	18796
Seed Consultants	SC 11AGT43	113	34.11 *	23.10	8.09	7.75 *	28.97	49.40	57.82	0.56	54.48	2182	18487
Seed Consultants	SC 11AGT74	116	34.15 *	23.72	8.30	8.02 *	27.57	46.89 *	59.87 *	0.56	52.52	2081	18165
NK	N83D-3000GT	118	32.88 *	22.98	8.04	8.05 *	28.22	50.15	60.37 *	0.55	52.31	2066	18028
Channel	215-05STXRIB	115	32.39	21.89	7.66	7.58	29.02	50.62	57.50	0.55	51.67	2028	17182
Site Average			32.68	23.80	8.33	7.77	28.32	49.18	58.99	0.56	53.73	2160	19316
LSD (0.10)			1.32	1.63	0.57	0.30	1.00	2.35	1.55	0.02	1.89	122	1765
C.V.			4.56	7.70	7.70	4.42	3.99	5.36	2.95	3.82	3.97	6	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 10. Three-Year Corn Silage Test Results (2014, 2015 & 2016) 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
Seed Consultants	SCS 11HR63	115	32.95 *	27.18 *	9.51 *	7.06	29.35	50.40	60.08	0.59	57.60	2393	24171 *	
Pioneer	2088AMX	120	30.95	25.65	8.98	7.25	29.48	51.26	61.71 *	0.60	60.11	2537	23966 *	
Doebler's	5815GRQ™	118	32.72	25.55	8.94	7.64 *	28.47	49.72	60.36	0.60	59.53	2510	23315 *	
Augusta	A8868VT3Pro	118	32.85 *	26.93 *	9.43 *	7.22	29.22	51.06	60.51	0.58	56.20	2299	23266 *	
Seed Consultants	SC 11AGT74	116	34.01 *	25.42	8.90	7.82 *	27.71 *	47.80 *	61.04 *	0.59	58.17	2420	22464	
Doebler's	5615GRQ™	116	32.12	21.96	7.69	7.54	27.25 *	46.70 *	58.66	0.63 *	61.65 *	2663 *	21393	
NK	N83D-3000GT	118	32.83 *	24.11	8.44	7.77 *	28.40	50.21	60.87 *	0.59	57.43	2376	21228	
Seed Consultants	SC 11AGT43	113	33.51 *	23.83	8.34	7.51	29.48	50.36	58.71	0.59	58.53	2425	20863	
Site Average			32.74	25.08	8.78	7.48	28.67	49.69	60.24	0.60	58.65	2453	22583	
LSD (0.10)			1.20	1.42	0.50	0.25	0.84	1.62	1.19	0.01	1.04	73	1538	
C.V.			5.14	7.94	7.94	4.72	4.11	4.58	2.78	2.71	2.50	4	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 11. 2016 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									
Pioneer	0843AM	108	27.64	*	17.91	*	6.27	*	7.37	*	31.93	*	53.37	*	67.37	*	0.43	*	35.29	*	1047	*	6591	*
Doebler's	5125AM™	111	26.79		16.68		5.84		7.21		32.05		54.18		66.60		0.43		34.88		1033		6064	
Doebler's	5615GRQ™	116	26.75		17.04	*	5.96	*	7.15	*	31.58	*	53.89	*	64.78	*	0.43	*	34.74	*	1015	*	6048	*
Seed Consultants	SC 11AGT74	116	26.62		17.51	*	6.13	*	7.14	*	32.31	*	54.23	*	66.30	*	0.42	*	34.09	*	970	*	5950	*
Phoenix	7402A3	118	26.41		18.22	*	6.38	*	7.47	*	31.69	*	55.28	*	65.81	*	0.41	*	33.20	*	922	*	5866	*
Doebler's	5815GRQ™	118	26.39		17.11	*	5.99	*	6.91	*	33.25	*	55.17	*	66.69	*	0.42	*	33.69	*	959	*	5741	*
Seed Consultants	SCS 1125YHR	111	24.91		16.59		5.81		7.41	*	32.64	*	54.28	*	67.38	*	0.42	*	34.16	*	977	*	5668	*
Augusta	A8868VT3Pro	118	25.73		17.33	*	6.07	*	7.07	*	33.07	*	55.09	*	65.80	*	0.41	*	33.28	*	924	*	5594	*
Seed Consultants	SC 11AQ17	110	26.16		17.01	*	5.95	*	6.58	*	33.00	*	55.21	*	67.03	*	0.42	*	33.39	*	936	*	5579	*
Seed Consultants	SC 10AGT96	108	28.32	*	15.99		5.60		6.59		33.36		54.95		64.68		0.42	*	34.07	*	985	*	5532	*
Channel	216-36STXRIB	116	28.05	*	16.83	*	5.89	*	7.26	*	33.44	*	55.20	*	65.12	*	0.42	*	33.34	*	932	*	5505	*
Seed Consultants	SCS 1136YHR	112	25.62		16.29		5.70		7.30	*	32.32	*	54.60	*	67.19	*	0.42	*	33.49	*	930	*	5296	*
Doebler's	747AM™	116	25.41		16.15		5.65		6.76		32.96		55.25		66.54	*	0.41	*	33.16	*	918	*	5172	*
Pioneer	2088AMX	120	24.92		15.07		5.28		6.75	*	32.59	*	54.83	*	67.33	*	0.42	*	33.92	*	970	*	5150	*
Channel	217-92VT2PRIB	117	26.45		16.38		5.73		7.60	*	32.92	*	55.17	*	66.92	*	0.41	*	32.78	*	886	*	5069	*
Seed Consultants	SCS 1187YHR	117	25.83		16.54		5.79		7.20	*	33.70	*	55.74	*	66.87	*	0.40	*	32.32	*	861	*	5028	*
Pioneer	1637AM	116	25.08		15.35		5.37		6.50		33.65		56.06		67.28	*	0.41	*	33.04	*	927	*	4988	*
Phoenix	6190A4	112	27.10		15.68		5.49		7.37	*	33.32	*	55.24	*	67.52	*	0.41	*	33.02	*	906	*	4963	*
Pioneer	1197AMXT	111	25.97		15.30		5.35		6.77		33.11		54.90		66.39	*	0.41	*	33.17	*	911	*	4891	*
Seed Consultants	SCS 11HR63	115	27.06		17.66	*	6.18	*	6.93	*	34.90	*	57.47	*	66.19	*	0.39	*	30.71	*	770	*	4732	*
Seed Consultants	SC 11AGT43	113	26.57		16.44		5.75		7.04	*	34.44	*	57.12	*	66.32	*	0.39	*	31.00	*	785	*	4502	*
Phoenix	7914A4	115	25.32		16.92	*	5.92	*	6.78	*	35.16	*	57.97	*	65.99	*	0.38	*	29.91	*	716	*	4245	*
Channel	218-44VT2RIB	118	28.28	*	17.38	*	6.08	*	6.72	*	35.27	*	58.10	*	66.41	*	0.38	*	29.68	*	701	*	4210	*
Channel	215-05STXRIB	115	26.22		14.41		5.04		7.63	*	33.40	*	55.89	*	66.92	*	0.40	*	31.76	*	819	*	4127	*
Site Average			26.40		16.57		5.80		7.06		33.17		55.38		66.48		0.41		33.00		908		5271	
LSD (0.10)			1.01		1.41		0.49		0.62		1.30		1.45		1.93		0.02		1.93		127		932	
C.V.			3.07		6.82		6.82		7.04		3.15		2.10		2.33		3.83		4.70		11		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 12. Two-Year Corn Silage Test Results (2015 & 2016) 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
Augusta	A8868VT3Pro	118	36.57 *	24.08 *	8.43 *	6.80	30.36	49.37 *	62.42 *	0.47 *	43.02 *	1470 *	13348 *	
Pioneer	2088AMX	120	35.31	21.69	7.59	6.78	30.13	49.41 *	63.01 *	0.48 *	43.43 *	1502 *	12336 *	
Seed Consultants	SCS 11HR63	115	36.98 *	24.09 *	8.43 *	6.69	32.02	53.57	63.65 *	0.44	39.65	1268	11832	
Doebler's	5615GRQ™	116	35.73	21.37	7.48	6.80	29.96 *	49.71 *	62.13	0.47 *	42.09 *	1414 *	11218	
Pioneer	1637AM	116	34.73	21.69	7.59	6.50	31.66	50.94 *	63.19 *	0.46	40.88	1355	11189	
Doebler's	5815GRQ™	118	35.82	21.47	7.51	6.78	31.01	51.88 *	63.44 *	0.45	40.16	1303	10521	
Channel	215-05STXRIB	115	37.24 *	19.24	6.73	7.25 *	30.81 *	50.69 *	63.20 *	0.45	40.86	1337	9859	
Seed Consultants	SC 11AGT74	116	35.19	20.85	7.30	7.03 *	30.83 *	49.54 *	63.02 *	0.45	39.53	1271	9745	
Seed Consultants	SC 11AGT43	113	35.45	20.14	7.05	7.05 *	32.42	52.00	62.97 *	0.44	38.32	1191	9098	
	Site Average		35.89	21.63	7.57	6.85	31.02	50.79	63.00	0.46	40.88	1346	11016	
	LSD (0.10)		1.28	1.28	0.45	0.32	1.01	2.58	1.40	0.01	1.39	95	1060	
	C.V.		3.93	6.58	6.58	5.39	3.56	5.82	2.54	3.54	3.72	8	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 13. Three-Year Corn Silage Test Results (2014, 2015 & 2016) 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			
Seed Consultants	SCS 11HR63	115	33.20	22.78 *	7.97 *	6.73	32.48	54.91	62.99 *	0.51	49.53	1852	14984 *
Pioneer	2088AMX	120	31.61	20.41 *	7.14	6.98	31.25 *	51.96 *	62.62 *	0.54 *	52.98 *	2065 *	14909 *
Seed Consultants	SC 11AGT74	116	32.02	20.39 *	7.14	7.13	31.21 *	51.77 *	62.48 *	0.53 *	51.49	1978	14184
Doebler's	5815GRQ™	118	32.51	20.43 *	7.15	6.97	30.88 *	52.68 *	62.64 *	0.53 *	51.04	1957	14023
Doebler's	5615GRQ™	116	33.82	20.37	7.13	6.96	30.09 *	50.54 *	61.85	0.50	47.55	1741	12464
Seed Consultants	SC 11AGT43	113	32.66	19.62 *	6.87	7.25 *	32.24	52.99	62.37 *	0.50	47.53	1740	12194
Site Average			32.64	20.67	7.23	7.00	31.36	52.47	62.49	0.52	50.02	1889	13793
LSD (0.10)			0.82	0.84	0.30	0.26	1.27	2.37	1.09	0.01	1.12	82	799
C.V.			3.38	5.49	5.49	5.13	5.41	6.23	2.40	3.26	2.99	6	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 14. 2016 Corn Silage Test Results 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	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Seed Consultants	SCS 1125YHR	111	44.86	34.98 *	12.24 *	8.37 *	25.70	43.61 *	59.68	0.44 *	38.69 *	1102 *	13423 *
Dyna-Gro	D58QC72	118	42.81	33.08 *	11.58 *	8.26 *	26.60	44.64 *	61.50	0.44 *	38.29 *	1092 *	12707 *
Masters Choice	MCT 6733	117	46.72	37.73 *	13.21 *	8.52 *	25.42	44.65 *	60.07	0.42	36.57	953	12655 *
Doebler's	747AM™	116	47.33	35.59 *	12.46 *	7.95	26.51	44.08 *	60.05	0.42	37.22	993	12224 *
Masters Choice	MCT 6363	113	42.61	30.37	10.63	7.53	26.85 *	44.52 *	59.68	0.45 *	38.83 *	1133 *	12131 *
Seed Consultants	SCS 11HR63	115	43.87	30.21	10.58	7.95	26.58	44.00 *	58.87	0.45 *	39.37 *	1165 *	12031 *
Pioneer	1197AMXT	111	44.76	32.40 *	11.34 *	8.07	26.88 *	43.50 *	57.71 *	0.44 *	38.18 *	1057 *	11860 *
Dyna-Gro	D58VC65	118	48.73 *	33.26 *	11.64 *	7.65	26.01	44.26 *	53.73 *	0.43	37.29	1002	11660 *
Augusta	A7768GT3110	118	44.35	32.32 *	11.31 *	8.56 *	25.65	44.27 *	59.83	0.43	37.58 *	1027	11546 *
Phoenix	7402A3	118	49.49 *	33.20 *	11.62 *	8.16	25.17	43.47 *	57.91 *	0.42	37.34 *	988	11448 *
Doebler's	5615GRQ™	116	44.80	28.80	10.08	7.92	25.61	43.31 *	59.84	0.44 *	38.75 *	1100 *	11172 *
Channel	218-44VT2RIB	118	50.92 *	32.57 *	11.40 *	7.58	26.17	44.15 *	55.64 *	0.42	36.99	976	11121 *
Seed Consultants	SCS 1187YHR	117	50.60 *	35.08 *	12.28 *	8.28 *	25.48	44.95 *	58.06 *	0.41	35.69	889	10943 *
Seed Consultants	SC 10AGT96	108	51.82 *	33.72 *	11.80 *	7.49	26.87 *	44.71 *	57.64 *	0.41	36.20	925	10942 *
Doebler's	5125AM™	111	48.81 *	33.46 *	11.71 *	8.06	26.42	44.46 *	59.47	0.42	36.33	930	10925 *
Phoenix	7914A4	115	45.74	30.28	10.60	7.93	26.59	44.54 *	60.50	0.43	37.54 *	1029	10877 *
Seed Consultants	SCS 1136YHR	112	44.84	30.00	10.50	8.60 *	25.50	44.29 *	60.95	0.43	37.34 *	1007	10651
Channel	215-05STXRIB	115	47.25	33.22 *	11.63 *	8.28 *	26.80 *	45.29 *	57.71 *	0.41	35.85	909	10610
Augusta	A5062GT3110	112	45.17	32.04 *	11.22 *	8.22 *	26.02	44.35 *	59.39	0.42	36.49	940	10556
Pioneer	1637AM	116	45.98	32.01 *	11.20 *	8.22 *	26.36	45.59 *	59.81	0.42	36.09	936	10538
Seed Consultants	SC 11AGT74	116	46.54	30.89 *	10.81 *	8.35 *	25.90	44.11 *	59.55	0.42	36.89	967	10502
Seed Consultants	SC 11AGT43	113	48.90 *	31.37 *	10.98 *	7.62	27.19 *	45.21 *	59.27	0.41	35.97	917	10293
Doebler's	5815GRQ™	118	44.62	30.48	10.67	8.17	26.19	45.37 *	60.93	0.42	36.27	945	10067
Pioneer	0843AM	108	50.61 *	30.68	10.74	8.02	26.03	44.57 *	56.42 *	0.41	36.15	917	9830
Seed Consultants	SC 11AQ17	110	45.75	30.95 *	10.83 *	7.36	28.63 *	47.04	60.32	0.41	34.98	878	9679
Augusta	A8868VT3Pro	118	48.25	29.07	10.18	7.95	26.58	45.64 *	56.01 *	0.41	35.61	898	9127
Channel	217-92VT2PRIB	117	47.59	28.74	10.06	7.65	26.77 *	46.31	55.71 *	0.41	35.25	884	9035
Channel	216-36STXRIB	116	51.62 *	25.66	8.98	7.56	25.94	43.67 *	55.63 *	0.43	37.41 *	999	8971
Dyna-Gro	D54DC94	114	46.42	27.70	9.70	7.71	28.20 *	47.34	57.13 *	0.41	35.09	894	8852
Pioneer	2088AMX	120	45.95	31.08 *	10.88 *	7.93	27.53 *	48.16	59.71	0.39	33.56	789	8654
Masters Choice	MCT 6153	111	46.64	26.46	9.26	7.79	26.79 *	45.10 *	58.81	0.42	36.22	935	8633
Phoenix	6190A4	112	49.18 *	22.27	7.80	7.63	27.31 *	44.64 *	58.76 *	0.41	36.22	925	7141
	Site Average		46.98	31.24	10.93	7.98	26.44	44.81	58.63	0.42	36.76	972	10650
	LSD (0.10)		3.31	7.03	2.46	0.41	1.57	2.34	2.71	0.02	2.06	129	2763
	C.V.		5.75	18.38	18.38	4.22	4.85	4.27	3.78	3.87	4.59	11	21

<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. Two-Year Corn Silage Test Results (2015 & 2016) 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	ton/acre	ton/acre	-----%	Mcal/lb	%	lb milk/ton	lb milk/acre			
Channel	215-05STXRIB	115	42.55	30.40 *	10.64 *	7.92 *	27.49 *	46.82 *	59.16 *	0.51 *	49.57 *	1799 *	18452 *	
Augusta	A7768GT3110	118	46.28	31.78 *	11.12 *	7.91 *	26.76 *	45.00 *	60.17 *	0.49 *	46.71 *	1613 *	18171 *	
Augusta	A8868VT3Pro	118	46.79	28.96 *	10.14 *	7.70 *	26.67 *	45.47 *	56.91 *	0.51 *	49.65 *	1791 *	18109 *	
Dyna-Gro	D58QC72	118	40.11	30.48 *	10.67 *	8.10 *	27.28 *	46.15 *	60.63 *	0.51 *	48.44 *	1752 *	18060 *	
Pioneer	2088AMX	120	42.86	28.20 *	9.87 *	7.75 *	27.86 *	48.05 *	59.55 *	0.50 *	47.58 *	1704 *	16348 *	
Seed Consultants	SCS 11HR63	115	44.61	28.00 *	9.80 *	7.31 *	27.64 *	46.17 *	60.26 *	0.46	42.64	1594 *	15943 *	
Masters Choice	MCT 6153	111	47.83	26.95	9.43	7.61 *	26.35 *	45.02 *	58.91 *	0.49 *	47.71 *	1654 *	15822 *	
Dyna-Gro	D54DC94	114	47.84	26.26	9.19	7.68 *	27.91 *	47.87 *	57.62	0.50 *	48.67 *	1718 *	15529 *	
Seed Consultants	SC 11AGT43	113	45.37	27.17	9.51	7.75 *	27.33 *	46.24 *	59.61 *	0.49 *	46.56 *	1725 *	15448 *	
Seed Consultants	SC 11AGT74	116	49.88	27.64 *	9.67 *	7.55	28.71	48.78	60.50 *	0.48 *	47.80 *	1610 *	14862 *	
Doebler's	5615GRQ™	116	48.46	27.71 *	9.70 *	7.39	27.65 *	46.78 *	60.43 *	0.47	45.48 *	1488	14185	
Pioneer	1637AM	116	46.66	29.33 *	10.27 *	8.14 *	26.97 *	45.42 *	59.79 *	0.46	42.96	1382	13852	
Doebler's	5815GRQ™	118	47.32	27.37	9.58	7.50	27.78 *	46.96 *	60.07 *	0.46	44.56	1456	13392	
Site Average			45.89	28.48	9.97	7.72	27.42	46.52	59.51	0.49	46.79	1637	16013	
LSD (0.10)			4.68	4.18	1.46	0.53	1.75	3.12	2.11	0.04	4.33	284	4137	
C.V.			11.82	17.00	17.00	8.06	7.36	7.78	4.11	8.63	10.63	20	30	

<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 16. Three-Year Corn Silage Test Results (2014, 2015 & 2016) 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	ton/acre	-----%-----				Mcal/lb	%	lb milk/ton	lb milk/acre
Dyna-Gro	D58QC72	118	45.10	29.00 *	10.15 *	7.69 *	28.08 *	47.07 *	60.70 *	0.53 *	52.49 *	1970 *	19407 *
Seed Consultants	SCS 11HR63	115	50.49	26.06 *	9.12 *	7.11 *	28.32 *	47.33 *	60.48 *	0.50	48.79	1847 *	16857 *
Seed Consultants	SC 11AGT74	116	51.31 *	27.04 *	9.46 *	7.46 *	28.66 *	48.14 *	59.97 *	0.50	50.82 *	1805 *	16457 *
Seed Consultants	SC 11AGT43	113	51.36 *	25.87 *	9.06 *	7.65 *	28.05 *	47.86 *	60.32 *	0.50 *	49.91 *	1875 *	16148
Doebler's	5615GRQ™	116	53.38 *	25.42	8.90	7.23	28.18 *	47.43 *	61.60 *	0.51 *	51.83 *	1879 *	16081
Pioneer	2088AMX	120	49.99	25.23	8.83	7.41 *	29.49 *	50.89	60.58 *	0.51 *	51.39 *	1888 *	15994
Doebler's	5815GRQ™	118	49.29	25.73 *	9.01 *	7.49 *	28.28 *	47.39 *	60.58 *	0.49	48.91	1719	14704
Site Average			50.13	26.34	9.22	7.44	28.44	48.02	60.60	0.51	50.59	1855	16521
LSD (0.10)			2.78	3.40	1.19	0.33	1.51	3.06	1.83	0.03	3.10	202	2986
C.V.			7.70	17.88	17.88	6.20	7.34	8.90	4.21	7.29	8.50	15	25

<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.



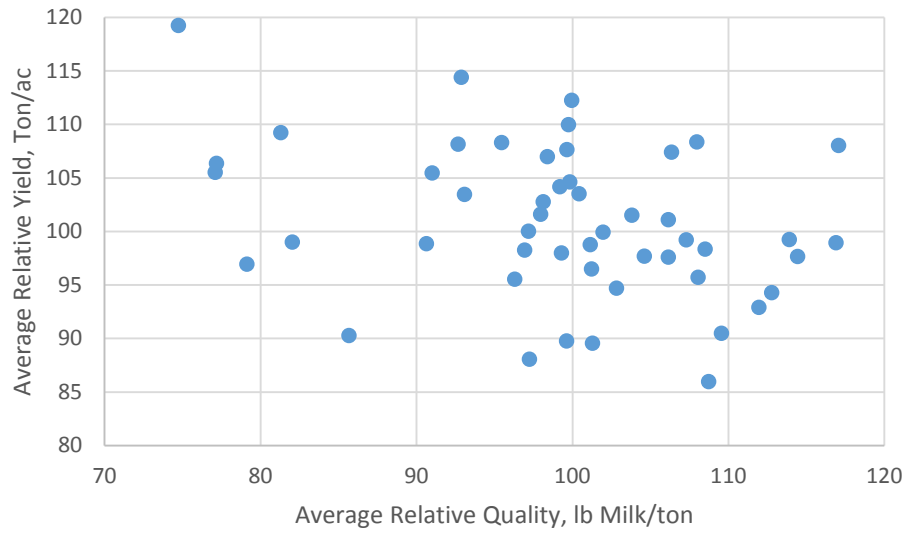
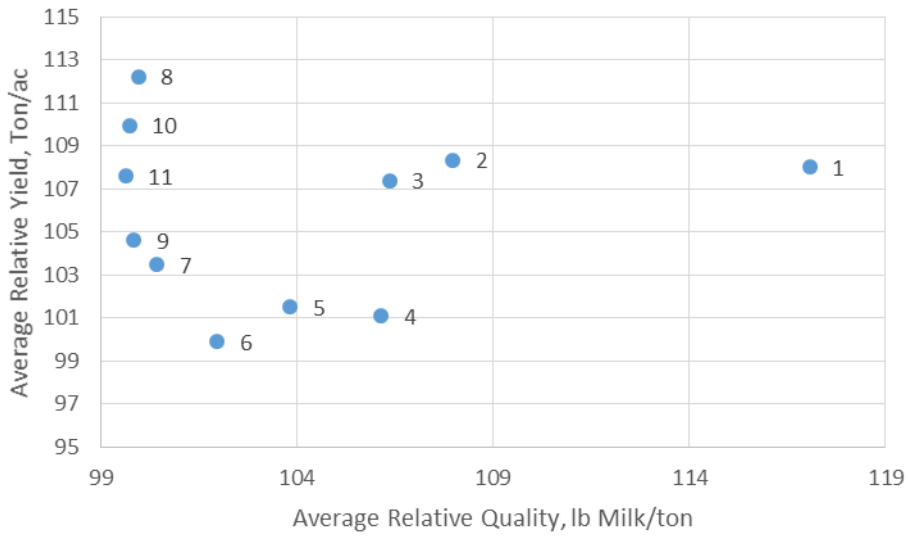


Figure 1. Average relative yield versus quality across sites, 2016



Point	Brand	Hybrid
1	Seed Consultants	SCS 1125YHR
2	T. A. Seeds	TA780-13VPRIB
3	T. A. Seeds	TA736-22DPRIB
4	Pioneer	0843AM
5	Seed Consultants	SC 11AGT74
6	Augusta	A4959GT3110
7	Pioneer	1637AM
8	Augusta	A6867GTCBLL
9	Phoenix	7402A3
10	Seed Consultants	SCS 11HR63
11	Augusta	A8868VT3Pro

Figure 2. High yielding and high quality hybrids in at least 3 site/year combinations in 2016



