

**Virginia Corn Silage Hybrid Trials in 2021**

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**Introduction**

This report contains the results for performance trials from commercial corn hybrids produced for silage at four locations in Virginia in 2021 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 Selection**

**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 2020, 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 indicates 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.

# Companies Participating in the 2021 Virginia Tech Corn Silage Hybrid Trials

|  |  |  |
| --- | --- | --- |
| **Company** | **Brand** | **Address** |
| Augusta Seed | Augusta Seed | PO Box 899, Verona, VA 24482 |
| Corteva Agriscience Ag. Division Dow/Dupont | Pioneer | 7200 NW 62nd Ave., Johnston, IA 50131 |
| Erwin-Keith, Inc. | Progeny Ag Products | 1529 Hwy 193, Wynne, AR 72396 |
| GROWMARK | FS | 308 NE Front Street, Milford, DE 19963 |
| King's AgriSeeds | Redtail | 1828 Freedom Rd #101, Lancaster, PA 17601 |
| Mid-Atlantic Seeds | Mid-Atlantic | 204 St. Charles Way #163, York, PA 17402 |
| Nutrien Ag Solutions | Dyna-Gro | 396 Washington St., Boydton, VA 23917 |
| Partners Brand Seed Co. | Partners Brand | 4610E State Rd 120, Howe, IN 46746 |
| Seed Consultants, Inc. | Seed Consultants | 648 Miami Trace Rd., Washington Court House, OH 43160 |
| Seedway, LLC | Seedway | 1734 Railroad Pl, Hall, NY 14463 |
| Syngenta Seeds | NK Brand | 4013 Fairmount Pike, Signal Mountain, TN 37377 |

**2021 Virginia Tech Corn Silage Hybrid Trials Plot Information**

(Rates are on a per acre basis.)

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

Planted: April 9, 2021 conventional tillage

Harvested: August 2, 2021

Pesticide: 1 pt Brawl + 1 qt atrazine April 17, 2020; 5 lb Force 3G® at planting

Irrigation 1” applied May 19 2021; 1” applied May 26, 2021

Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 5, 2021; 17 gal 20-10-0-2S-.13B-.25Zn at planting;

80 lb N top-dressed using UAN May 18,2021

Population: 34,000 ppa

Plot Size: 2 rows 25' x 30" 4 replications Soil Type: Appling sandy loam Cooperator: Ned Jones

**Orange (Northern Piedmont Center)**

Planted: April 13, 2021 no-till

Harvested: August 12, 2021

Pesticide: 1.5 pt paraquat + 1 pt atrazine + 1.5 qt Lumax preplant; 5 lb Force 3G® at planting

Irrigation 1” applied 5/21/21; 1” applied 5/27/2001

Fertilizer: 30-30-30 April 13, 2021; 17 gal 20-10-0-2S-.13B-.25Zn at planting;70 lb N side-dressed May24, 2021; 70 lb N side-dressed June 8, 2021;

Population: 32,000 ppa

Plot Size: 2 rows 25' x 30" 4 replications Soil Type: Davidson clay

Cooperator: Greg Lillard

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

Planted: May 15, 2020 no-till after rye silage Harvested: September 15, 2020

Pesticide: 1.5 pt paraquat + 1 pt atrazine + 1.5 qt Lumax preplant

Irrigation 1” applied 5/21/21

Fertilizer: 43 lb sulfur + 53 lb potash in January; 10,000 gallons dairy manure injected preplant; 17 gal 15- 15-0-2S-.13B-.25Zn at planting; 90 lb N from urea side-dressed

Population: 31,643 ppa

Cooperators: Doug Horn and David Yutzy

**Washington County (Southwest Virginia Agricultural Research & Extension Center)**

Planted: May 12, 2020 no-till

Harvested: September 17, 2021

Pesticide: 28 oz atrazine + 3 qt Acuron® + 1 qt glyphosate pre-plant; 5 lb Force 3G® at planting Fertilizer: 170-60-100-25S preplant; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 100 lb N side-dressed Plot Size: 2 rows 35' x 30" 4 replications

Soil Type: Wyrick-Marbie silt loam

Cooperator: Phil Blevins

## Table 1. List of hybrids in the 2021 Virginia Tech Corn Silage Hybrid Test.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Company** | **Brand** | **Hybrid** | **DTM1** | **Seed Treatment** | **Trait Package** | **OBS2** |
| Augusta Seed | Augusta | A5663 | 113 | Cruiser Maxx® 250 | Agrisure 3000GT | 1 |
| Augusta Seed | Augusta | A1367 | 117 | Cruiser Maxx® 250 | Agrisure Duracade® 5222 E-Z | 1 |
| Augusta Seed | Augusta | A9967 | 117 | Cruiser Maxx® 250 | Agrisure 3000GT | 3 |
| Augusta Seed | Augusta | A6362 | 112 | Cruiser Maxx® 250 | Agrisure Duracade® 5122 E-Z | 1 |
| Augusta Seed | Augusta | A4567 | 117 | Cruiser Maxx® 250 | Agrisure Duracade® 5222 E-Z | 1 |
| Nutrien Ag Solutions | Dyna-Gro | D58VC65 | 118 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO® | 1 |
| Nutrien Ag Solutions | Dyna-Gro | D55VC80 | 115 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO® | 1 |
| Nutrien Ag Solutions | Dyna-Gro | D57VC17 | 117 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO® | 1 |
| Nutrien Ag Solutions | Dyna-Gro | D57TC29 | 117 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | Trecepta® | 1 |
| GROWMARK | FS | FS 62ZX1 RIB | 112 |  | SmartStax® RIB Complete® | 4 |
| GROWMARK | FS | FS 6406X RIB | 114 |  | SmartStax® RIB Complete® | 4 |
| GROWMARK | FS | FS 6595X RIB | 115 |  | SmartStax® RIB Complete® | 4 |
| GROWMARK | FS | FS 65R87SS | 115 |  | SmartStax® RIB Complete® | 4 |
| GROWMARK | FS | FS 64SX1 RIB | 114 |  | SmartStax® RIB Complete® | 4 |
| GROWMARK | FS | FS 6818X RIB | 118 |  | SmartStax® RIB Complete® | 4 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA8128VT2PRIB | 112 | Acceleron® 250 | VT Double PRO® RIB Complete | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5166GT3VIP | 116 | Cruiser Maxx® 250 | Agrisure Viptera® 3111 | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA8141DGVT2PRIB | 114 | Acceleron® 250 | DroughtGard® VT Double PRO® RIB Complete® | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5155GT3VIP | 115 | Cruiser Maxx® 250 | Agrisure Viptera® 3111 | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA8158SSRIB | 115 | Acceleron® 250 | SmartStax® RIB Complete® | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5161DCVIPEZ | 116 | Cruiser Maxx® 250 | Agrisure Duracade® 5222 E-Z | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5165HDGT3 | 116 | Cruiser Maxx® 250 | Agrisure 3000GT | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5083DCEZ | 108 | Cruiser Maxx® 250 | Agrisure Duracade® 5122 E-Z | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA7103HDDCEZ | 110 | Cruiser Maxx® 250 | Agrisure Duracade® 5122 E-Z | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA5101VIP3330 | 110 | Cruiser Maxx® 250 | Agrisure Viptera® 3330 E-Z Refuge | 1 |
| Mid-Atlantic Seeds | Mid-Atlantic | MA7144HDDCEZ | 114 | Cruiser Maxx® 250 | Agrisure Duracade® 5122 E-Z | 1 |
| Syngenta Seeds | NK Brand | NK1677-3110 | 116 | Cruiser Maxx® 250 | Agrisure Viptera® 3110 | 4 |
| Syngenta Seeds | NK Brand | NK1748-3110 | 117 | Cruiser Maxx® 250 | Agrisure Viptera® 3110 | 4 |
| Syngenta Seeds | NK Brand | NK1661-3120A | 116 | Cruiser Maxx® 250 | Agrisure Viptera® 3120 E-Z Refuge | 4 |
| Partners Brand Seed Co. | Partners Brand | PB 11702 | 117 | Alert 2500™ | conventional | 1 |
| Partners Brand Seed Co. | Partners Brand | PB 8580 | 115 | Alert 2500™ | Agrisure Viptera® 3111 | 1 |
| Partners Brand Seed Co. | Partners Brand | PB 8600 | 116 | Alert 2500™ | Agrisure Viptera® 3110 | 1 |
| Corteva Agriscience | Pioneer Brand | P0921AMXT | 109 | Poncho® 1250/VOTiVO® | AcreMax® XTreme | 4 |
| Corteva Agriscience | Pioneer Brand | P1380Q | 113 | Poncho® 1250/VOTiVO® | QROME® | 4 |
| Erwin-Keith Inc | Progeny Ag Products | PGY 8116SS | 116 | Poncho® 1250/VOTiVO® | SmartStax® | 4 |
| Erwin-Keith Inc | Progeny Ag Products | PGY 2118VT2P | 118 | Poncho® 1250/VOTiVO® | VT Double PRO® | 4 |
| King's AgriSeeds | Redtail | RT 65T09-D1 | 115 | Cruiser Maxx® 250 | Agrisure Duracade® 5122 E-Z | 2 |
| King's AgriSeeds | Redtail | RT 62T83 | 112 | Cruiser Maxx® 250 | Agrisure 3000GT | 2 |
| King's AgriSeeds | Redtail | RT 67T23 | 117 | Cruiser Maxx® 250 | Agrisure 3000GT | 2 |
| Seed Consultants | Seed Consultants | SC1158AM™ | 115 | Poncho® 500/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1168AM™ | 116 | Poncho® 500/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1188AM™ | 118 | Poncho® 500/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1141AM™ | 114 | Poncho® 1250/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1170AM™ | 117 | Poncho® 1250/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1112AM™ | 111 | Poncho® 1250/VOTiVO® | AcreMax® | 4 |
| Seed Consultants | Seed Consultants | SC1122Q™ | 112 | Poncho® 1250/VOTiVO® | QROME® | 4 |
| Seedway, LLC | Seedway | SW8100 GENSS(RIB) | 117 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | SmartStax® RIB Complete® | 4 |
| Seedway, LLC | Seedway | SW 1579SS | 115 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | SmartStax® RIB Complete® | 4 |
| Seedway, LLC | Seedway | SW6760 GENSS(RIB) | 112 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | SmartStax® RIB Complete® | 4 |
| Seedway, LLC | Seedway | SW6540 VT2P(RIB) | 107 | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO® RIB Complete | 4 |

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

2 Number of observations hybrid occurred; the greater the observations, the more reliable the data. Note: Shaded hybrids indica te hybrids entered in less than 3 locations. Hybrids are sorted by Brand, then DTM.

## Table 2. The Handy Bt Trait Table for U.S. corn production, updated February 2021 (thanks to Chris DiFonzo, Michigan State University, [difonzo@msu.edu](mailto:difonzo@msu.edu))

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Bt protein(s) (or other trait)**  **in package** |  | **Marketed for control of:** | | | | | | | |  | **Resistance confirmed to the combination of Bts in package**  (check local situation) | **Herbicide**  **trait** | | |  |
| B C  W | C E  W | E C  B | F A  W |  | S C  B | S W C  B | T A  W | W B  C |  | **Non-Bt**  **Refuge % (cornbelt)** |
| S  B | C  R | G  R | L  L |  |
|  |  | E |
| AcreMax (AM) | Cry1Ab Cry1F | x | x | x | x | x | x | x |  |  |  | CEW FAW WBC | x | x |  | 5% in bag |
| AcreMax CRW (AMRW) | Cry34/35Ab1 |  |  |  |  |  |  |  |  |  | x | NCR WCR | x | x |  | 10% in bag |
| AcreMax1 (AM1) | Cry1F Cry34/35Ab1 | x |  | x | x | x | x | x |  |  | x | ECB FAW SWB WBC  NCR WCR | x | x |  | 10% in bag  20% ECB |
| AcreMax Leptra (AML) | Cry1Ab Cry1F Vip3A | x | x | x | x | x | x | x | x | x |  |  | x | x |  | 5% in bag |
| AcreMax TRIsect (AMT) | Cry1Ab Cry1F  mCry3A | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x | x |  | 10% in bag |
| AcreMax Xtra (AMX) | Cry1Ab Cry1F  Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC  NCR WCR | x | x |  | 10% in bag |
| AcreMax Xtreme (AMXT) | Cry1Ab Cry1F  mCry3A Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x | x |  | 5% in bag |
| Agrisure 3010 (BR) | Cry1Ab |  | x | x |  |  | x | x |  |  |  | CEW | x | x |  | 20% |
| Agrisure 3000GT & 3011A | Cry1Ab mCry3A |  | x | x |  |  | x | x |  |  | x | CEW WCR | x | x |  | 20% |
| Agrisure Viptera 3110 (VR) | Cry1Ab Vip3A | x | x | x | x | x | x | x | x | x |  |  | x | x |  | 20% |
| Agrisure Viptera 3111 (A4) | Cry1Ab Vip3A mCry3A | x | x | x | x | x | x | x | x | x | x | WCR | x | x |  | 20% |
| Agrisure 3120 E-Z Refuge (BZ) | Cry1Ab Cry1F | x | x | x | x | x | x | x |  |  |  | CEW FAW WBC | x | See bag tag. EZ0=no EZ1=yes |  | 5% in bag |
| Agrisure 3122 E-Z Refuge | Cry1Ab Cry1F  mCry3A Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x |  | 5% in bag |
| Agrisure Viptera 3220 E-Z (VZ) | Cry1Ab Cry1F Vip3A | x | x | x | x | x | x | x | x | x |  |  | x |  | 5% in bag |
| Agrisure Viptera 3330 E-Z | Cry1Ab Vip3A Cry1A.105/Cry2Ab2 | x | x | x | x | x | x | x | x | x |  |  | x |  | 5% in bag |
| Agrisure Duracade 5122 E-Z (D1) | Cry1Ab Cry1F mCry3A eCry3.1Ab | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x |  | 5% in bag |
| Agrisure Duracade 5222 E-Z (D2) | Cry1Ab Cry1F Vip3A  mCry3A eCry3.1Ab | x | x | x | x | x | x | x | x | x | x | WCR | x |  | 5% in bag |
| Agrisure Duracade 5332-E-Z | Cry1A.105/Cry2Ab2 Cry1Ab Vip3A  mCry3A eCry3.1Ab | x | x | x | x | x | x | x | x | x | x | WCR | x | x |  | 5% in bag |
| Herculex I (HXI) | Cry1F | x |  | x | x | x | x | x |  |  |  | ECB FAW SWB WBC | x | x |  | 20% |
| Herculex RW (HXRW) | Cry34/35Ab1 |  |  |  |  |  |  |  |  |  | x | NCR WCR | x | x |  | 20% |
| Herculex XTRA (HXX) | Cry1F Cry34/35Ab1 | x |  | x | x | x | x | x |  |  | x | ECB FAW SWB WBC  NCR WCR | x | x |  | 20% |
| Intrasect (YHR) | Cry1Ab Cry1F | x | x | x | x | x | x | x |  |  |  | CEW FAW WBC | x | x |  | 5% |
| Intrasect TRIsect (CYHR) | Cry1Ab Cry1F mCry3A | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x | x |  | 20% |
| Intrasect Xtra (YXR) | Cry1Ab Cry1F Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC NCR WCR | x | x |  | 20% |
| Intrasect Xtreme (CYXR) | Cry1Ab Cry1F  mCry3A Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x | x |  | 5% |
| Leptra (VYHR) | Cry1Ab Cry1F Vip3A | x | x | x | x | x | x | x | x | x |  |  | x | x |  | 5% |
| Powercore a (PW)  PW Refuge Advanced b (PWRA) | Cry1A.105/Cry2Ab2 Cry1F | x | x | x | x | x | x | x |  |  |  | CEW WBC | x | x |  | a5%  b5% in bag |
| Powercore Enlist (PWE) | Same as Powercore | x | x | x | x | x | x | x |  |  |  | CEW WBC | x | x | x | 5% in bag |
| QROME (Q) | Cry1Ab Cry1F mCry3A Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW FAW WBC WCR | x | x |  | 5% in bag |
| SmartStax a (SX,STX or SS)  STX Refuge Advanced b (SXRA)  STX RIB Complete b (STXRIB) | Cry1A.105/Cry2Ab2  Cry1F Cry3Bb1  Cry34/35Ab1 | x | x | x | x | x | x | x |  |  | x | CEW WBC  NCR WCR | x | x |  | a5%  b 5% in bag |
| SmartStax Enlist (SXE) | Same as SmartStax | x | x | x | x | x | x | x |  |  | x | Same as SmartStax | x | x | x | 5% in bag |
| SmartStax Pro  \*2022 commercialization date | Same as SmartStax  + DvSnf7 dsRNA | x | x | x | x | x | x | x |  |  | x | CEW WBC | x | x |  | 5% in bag |
| Trecepta a (TRE)  Trecepta RIB Complete b (TRERIB) | Cry1A.105/Cry2Ab2 Vip3A | x | x | x | x | x | x | x | x | x |  |  | x |  |  | a5%  b5% in bag |
| TRIsect (CHR) | Cry1F mCry3A | x |  | x | x | x | x | x |  |  | x | ECB FAW SWB WBC  WCR | x | x |  | 20% |
| VT DoublePRO a (VT2P)  VT2P RIB Completeb (VT2PRIB) | Cry1A.105/Cry2Ab2 |  | x | x | x | x | x | x |  |  |  | CEW | x |  |  | a5%  b5% in bag |
| VT TriplePRO c (VT3P)  VT3P RIB Complete d (VT3PRIB) | Cry1A.105/Cry2Ab2 Cry3Bb1 |  | x | x | x | x | x | x |  |  | x | CEW  NCR WCR | x |  |  | c20%  D10% in bag |
| Yieldgard Corn Borer (YGCB) | Cry1Ab |  | x | x |  |  | x | x |  |  |  | CEW | x |  |  | 20% |
| Yieldgard Rootworm (YGRW) | Cry3Bb1 |  |  |  |  |  |  |  |  |  | x | NCR WCR | x |  |  | 20% |
| Yieldgard VT Triple (VT3) | Cry1Ab Cry3Bb1 |  | x | x |  |  | x | x |  |  | x | CEW NCR WCR | x |  |  | 20% |
| VT DoublePRO a (VT2P) VT2P RIB Completeb (VT2PRIB) | Cry1A.105/Cry2Ab2 |  | x | x | x | x | x | x |  |  |  | CEW | x |  |  | a5%  b5% in bag |
| VT TriplePRO c (VT3P) VT3P RIB Complete d (VT3PRIB) | Cry1A.105/Cry2Ab2 Cry3Bb1 |  | x | x | x | x | x | x |  |  | x | CEW  NCR WCR | x |  |  | c20%  D10% in bag |
| Yieldgard Corn Borer (YGCB) | Cry1Ab |  | x | x |  |  | x | x |  |  |  | CEW | x |  |  | 20% |
| Yieldgard Rootworm (YGRW) | Cry3Bb1 |  |  |  |  |  |  |  |  |  | x | NCR WCR | x |  |  | 20% |
| Yieldgard VT Triple (VT3) | Cry1Ab Cry3Bb1 |  | x | x |  |  | x | x |  |  | x | CEW NCR WCR | x |  |  | 20% |
| VT DoublePRO a (VT2P) VT2P RIB Completeb (VT2PRIB) | Cry1A.105/Cry2Ab2 |  | x | x | x | x | x | x |  |  |  | CEW | x |  |  | a5%  b5% in bag |
| VT TriplePRO c (VT3P) VT3P RIB Complete d (VT3PRIB) | Cry1A.105/Cry2Ab2 Cry3Bb1 |  | x | x | x | x | x | x |  |  | x | CEW  NCR WCR | x |  |  | c20%  D10% in bag |
| Yieldgard Corn Borer (YGCB) | Cry1Ab |  | x | x |  |  | x | x |  |  |  | CEW | x |  |  | 20% |
| Yieldgard Rootworm (YGRW) | Cry3Bb1 |  |  |  |  |  |  |  |  |  | x | NCR WCR | x |  |  | 20% |
| Yieldgard VT Triple (VT3) | Cry1Ab Cry3Bb1 |  | x | x |  |  | x | x |  |  | x | CEW NCR WCR | x |  |  | 20% |

**Abbreviations used in the Trait Table**

**Insect targets**

BCW black cutworm CEW corn earworm CR corn rootworm

(N- Northern, W- Western) ECB European corn borer

FAW fall armyworm SB stalk borer

SCB sugarcane borer

SWCB southwestern corn bore TAW true armyworm

WBC western bean cutworm

**Herbicide tolerance**

E Enlist - *2,4-D and ‘FOPs’*

G *glyphosate*

R Roundup Ready 2 - *glyphosate*

LL Liberty Link - *glufosinate*

Virginia Cooperative Extension 8

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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** |  |
|  |  |  |  | 2021 |  | 2020 |  |  | 2021 |  | 2020 |  |  | 2021 |  | | 2020 | |  |  | 2021 |  | 2020 |  | |  |  |  |
|  |  |  |  | -----------------------------------------------------Relative Ton per Acre3----------------------------------------------------- | | | | | | | | | | | | | | | | | | | | |  | |  |  | |
| Mid-Atlantic | MA5083DCEZ | 108 |  | 138 | \* | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 138 | 1 |  |
| Mid-Atlantic | MA5101VIP3330 | 110 |  | 123 | \* | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 123 | 1 |  |
| Pioneer Brand | P1380Q | 113 |  | 124 | \* | 145 | \* |  | 83 |  | 120 | \* |  | 124 | \* | | 104 | |  |  | 106 | \* | 91 |  | | 112 | 8 |  |
| Dyna-Gro | D55VC80 | 115 |  | --- |  | --- |  |  | 113 | \* | 106 | \* |  | --- |  | | --- | |  |  | --- |  | --- |  | | 110 | 2 |  |
| Redtail | RT 62T83 | 112 |  | 125 | \* | --- |  |  | 93 |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 109 | 2 |  |
| Dyna-Gro | D57TC29 | 117 |  |  |  |  |  |  | --- |  | --- |  |  | 109 |  | | --- | |  |  | --- |  | --- |  | | 109 | 1 |  |
| Caverndale Farms | CF 859 VIP 3111 | 114 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 107 |  | | 107 | 1 |  |
| Pioneer Brand | P0921AMXT | 109 |  | 107 | \* | --- |  |  | 100 |  | --- |  |  | 99 |  | | --- | |  |  | 121 | \* | --- |  | | 107 | 4 |  |
| Mid-Atlantic | MA8141DGVT2P | 114 |  | 84 |  | 129 | \* |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 106 | 2 |  |
| NK Brand | NK1748-3110 | 117 |  | 109 | \* | 103 |  |  | 108 | \* | --- |  |  | 109 |  | | 122 | | \* |  | 87 |  | --- |  | | 106 | 6 |  |
| Seed Consultants | SC1112AM™ | 111 |  | 123 | \* | --- |  |  | 111 | \* | --- |  |  | 96 |  | | --- | |  |  | 91 |  | --- |  | | 105 | 4 |  |
| Seed Consultants | SCS 1158AM™ | 115 |  | 84 |  | 124 | \* |  | 89 |  | 113 | \* |  | 107 |  | | 111 | | \* |  | 81 |  | 132 | \* | | 105 | 8 |  |
| Dyna-Gro | D58VC65 | 118 |  | --- |  | --- |  |  | --- |  | --- |  |  | 106 |  | | 103 | |  |  | --- |  | --- |  | | 105 | 2 |  |
| Progeny Ag Products | PGY 8116SS | 116 |  | 117 | \* | --- |  |  | 99 |  | --- |  |  | 96 |  | | --- | |  |  | 106 | \* | --- |  | | 105 | 4 |  |
| Progeny Ag Products | PGY 2118VT2P | 118 |  | 106 | \* | --- |  |  | 112 | \* | --- |  |  | 103 |  | | --- | |  |  | 95 |  | --- |  | | 104 | 4 |  |
| Seed Consultants | SCS 1168AM™ | 116 |  | 80 |  | 106 |  |  | 111 | \* | 96 |  |  | 121 |  | | 96 | |  |  | 113 | \* | 109 |  | | 104 | 8 |  |
| Pioneer Brand | P1197AMXT | 111 |  | --- |  | 135 | \* |  | --- |  | 104 | \* |  | --- |  | | 84 | |  |  | --- |  | 92 |  | | 104 | 4 |  |
| Augusta | A4567 | 117 |  | 104 | \* | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 104 | 1 |  |
| FS | FS 6818X RIB | 118 |  | 118 | \* | --- |  |  | 97 |  | --- |  |  | 96 |  | | --- | |  |  | 104 | \* | --- |  | | 104 | 4 |  |
| Augusta | A5663-3000GT | 113 |  | 119 | \* | 87 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 103 | 2 |  |
| Pioneer Brand | P1415Q | 114 |  | --- |  | 104 |  |  | --- |  | 101 |  |  | --- |  | | 111 | | \* |  | --- |  | 94 |  | | 103 | 4 |  |
| Seed Consultants | SC 1121AM™ | 112 |  | --- |  | 92 |  |  | --- |  | 95 |  |  | --- |  | | 111 | | \* |  | --- |  | 112 | \* | | 103 | 4 |  |
| Mid-Atlantic | MA5161VIP3220EZ | 116 |  | 109 | \* | 95 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 102 | 2 |  |
| Augusta | A9967 | 117 |  | 98 |  | --- |  |  | 101 | \* | 101 |  |  | --- |  | | --- | |  |  | 98 |  | 113 | \* | | 102 | 5 |  |
| Mid-Atlantic | MA5155GT3VIP | 115 |  | 102 | \* | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 102 | 1 |  |
| FS | FS 65R87SS | 115 |  | 110 | \* | --- |  |  | 98 |  | --- |  |  | 100 |  | | --- | |  |  | 100 |  | --- |  | | 102 | 4 |  |
| Seedway | SW6760 GENSSRIB | 112 |  | 102 | \* | --- |  |  | 91 |  | 91 |  |  | 115 |  | | --- | |  |  | 109 | \* | --- |  | | 102 | 5 |  |
| Seed Consultants | SCS 1111Q™ | 111 |  | --- |  | 113 |  |  | --- |  | 108 | \* |  | --- |  | | 85 | |  |  | --- |  | 100 |  | | 102 | 4 |  |
| Dyna-Gro | D57VC17 | 117 |  | --- |  | --- |  |  | 100 |  | --- |  |  | --- |  | | 102 | |  |  | --- |  | --- |  | | 101 | 2 |  |
| NK Brand | NK1677-3110 | 116 |  | 84 |  | 112 |  |  | 115 | \* | --- |  |  | 90 |  | | 101 | |  |  | 101 |  | --- |  | | 100 | 6 |  |
| Seed Consultants | SC1122Q™ | 112 |  | 106 | \* | --- |  |  | 93 |  | --- |  |  | 88 |  | | --- | |  |  | 114 | \* | --- |  | | 100 | 4 |  |
| Augusta | A1367 | 117 |  | 98 |  | 120 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 83 |  | | 100 | 3 |  |
| Augusta | A6362 | 112 |  | 100 | \* | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 100 | 1 |  |
| NK Brand | NK1661-3120A | 116 |  | 96 |  | --- |  |  | 109 | \* | --- |  |  | 81 |  | | --- | |  |  | 113 | \* | --- |  | | 100 | 4 |  |
| FS | FS 62ZX1 RIB | 112 |  | 111 | \* | --- |  |  | 95 |  | --- |  |  | 101 |  | | --- | |  |  | 92 |  | --- |  | | 100 | 4 |  |
| Seed Consultants | SCS 1188AM™ | 118 |  | 103 | \* | 94 |  |  | 99 |  | 109 | \* |  | 88 |  | | 101 | |  |  | 102 |  | 102 |  | | 100 | 8 |  |
| Seedway | SW6540 VT2PRIB | 107 |  | 122 | \* | --- |  |  | 97 |  | 97 |  |  | 101 |  | | --- | |  |  | 81 |  | --- |  | | 99 | 5 |  |
| FS | FS 6595X RIB | 115 |  | 96 |  | --- |  |  | 89 |  | --- |  |  | 108 |  | | --- | |  |  | 105 | \* | --- |  | | 99 | 4 |  |
| Seed Consultants | SCS 1170AM™ | 117 |  | 108 | \* | 93 |  |  | 102 | \* | 93 |  |  | 94 |  | | 102 | |  |  | 108 | \* | 95 |  | | 99 | 8 |  |
| Caverndale Farms | CF 814 3000GT | 112 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 99 |  | | 99 | 1 |  |
| FS | FS 6406X RIB | 114 |  | 79 |  | --- |  |  | 119 | \* | --- |  |  | 88 |  | | --- | |  |  | 109 | \* | --- |  | | 99 | 4 |  |
| Caverndale Farms | CF 753 GTCBLL | 107 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 98 |  | | 98 | 1 |  |
| Progeny Ag Products | PGY 9117VT2P | 117 |  | --- |  | 94 |  |  | --- |  | 86 |  |  | --- |  | | 97 | |  |  | --- |  | 114 | \* | | 98 | 4 |  |
| FS | FS 64SX1 RIB | 114 |  | 74 |  | --- |  |  | 95 |  | --- |  |  | 117 |  | | --- | |  |  | 103 | \* | --- |  | | 97 | 4 |  |
| Redtail | RT 65T09-D1 | 115 |  | 102 | \* | --- |  |  | 92 |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 97 | 2 |  |
| Seedway | SW8100 GENSSRIB | 117 |  | 78 |  | --- |  |  | 104 | \* | 104 |  |  | 93 |  | | --- | |  |  | 104 | \* | --- |  | | 97 | 5 |  |
| Augusta | A7768 | 118 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 95 |  | | 95 | 1 |  |
| Seedway | SW GXX7902 GENSSRIB | 115 |  | 115 | \* | --- |  |  | 92 |  | 92 |  |  | 76 |  | | --- | |  |  | 99 |  | --- |  | | 95 | 5 |  |
| Seed Consultants | SCS 1141AM™ | 114 |  | 64 |  | 112 |  |  | 95 |  | 106 | \* |  | 94 |  | | 81 | |  |  | 104 | \* | 100 |  | | 95 | 8 |  |
| Mid-Atlantic | MA8158SS | 115 |  | 89 |  | 100 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 94 | 2 |  |
| Mid-Atlantic | MA5165GT3 | 116 |  | 85 |  | 101 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 93 | 2 |  |
| Progeny Ag Products | PGY 7118VT2P | 118 |  | --- |  | 76 |  |  | --- |  | 100 |  |  | --- |  | | 91 | |  |  | --- |  | 104 |  | | 93 | 4 |  |
| Augusta | A4463 | 113 |  | --- |  | 81 |  |  | --- |  | 104 | \* |  | --- |  | | --- | |  |  | --- |  | --- |  | | 93 | 2 |  |
| Caverndale Farms | CF 889 VIP 3111 | 117 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 92 |  | | 92 | 1 |  |
| Pioneer Brand | P1847AMXT | 118 |  | --- |  | 87 |  |  | --- |  | 88 |  |  | --- |  | | 103 | |  |  | --- |  | 88 |  | | 92 | 4 |  |
| LG Seeds | LG66C32VT2RIB | 116 |  | --- |  | 79 |  |  | --- |  | 104 |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 91 | 2 |  |
| Redtail | RT 67T23 | 117 |  | 80 |  | --- |  |  | 100 |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 90 | 2 |  |
| Caverndale Farms | CF 794 VIP 3111 | 109 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | 88 |  | | 88 | 1 |  |
| Mid-Atlantic | MA8128VT2PRIB | 112 |  | 88 |  | --- |  |  | --- |  |  |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 88 | 1 |  |
| Mid-Atlantic | MA5144HDDCEZ | 114 |  | 87 |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 87 | 1 |  |
| Augusta | A5262 | 112 |  | --- |  | 86 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 86 | 1 |  |
| Partners Brand | PB 11702 | 117 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | 86 |  | --- |  | | 86 | 1 |  |
| Mid-Atlantic | MA5166GT3VIP | 116 |  | 74 |  | 98 |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 86 | 2 |  |
| Partners Brand | PB 8600 | 116 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | 84 |  | --- |  | | 84 | 1 |  |
| Mid-Atlantic | MA5103HDDCEZ | 110 |  | 84 |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 84 | 1 |  |
| Dyna-Gro | D53VC33 | 113 |  | --- |  | --- |  |  | --- |  | 84 |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 84 | 1 |  |
| Partners Brand | PB 8580 | 115 |  | --- |  | --- |  |  | --- |  | --- |  |  | --- |  | | --- | |  |  | 83 |  | --- |  | | 83 | 1 |  |
| LG Seeds | LG62C35VT2RIB | 112 |  | --- |  | 80 |  |  | --- |  | 82 |  |  | --- |  | | --- | |  |  | --- |  | --- |  | | 81 | 2 |  |
| 1 Days to maturity provided by company; differences in maturity rating methods may exist between companies. | | | | | | | | | | | |  |  |  |  | |  | |  |  |  |  |  |  | |  |  |  |
| 2 Hybrids 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** |
|  |  |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  |  |
|  |  |  | -------------------------------------------Relative Milk per Ton------------------------------------------- | | | | | | | | | | | | | | |  |  |
| Dyna-Gro | D58VC65 | 118 | --- |  | --- |  | --- |  | --- |  | 132 | \* | 98 |  | --- |  | --- | 115 | 2 |
| Seed Consultants | SC1122Q™ | 112 | 101 |  | --- |  | 110 | \* | --- |  | 128 | \* | --- |  | 102 | \* | --- | 110 | 4 |
| Seed Consultants | SC1112AM™ | 111 | --- |  | --- |  | 100 |  | --- |  | 127 | \* | --- |  | 103 | \* | --- | 110 | 3 |
| Augusta | A5262 | 112 | --- |  | 108 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 108 | 1 |
| Redtail | RT 62T83 | 112 | 99 |  | --- |  | 114 | \* | --- |  | --- |  | --- |  | --- |  | --- | 107 | 2 |
| NK Brand | NK1661-3120A | 116 | 104 | \* | --- |  | 111 | \* | --- |  | --- |  | --- |  | 103 | \* | --- | 106 | 3 |
| FS | FS 65R87SS | 115 | 104 | \* | --- |  | 112 | \* | --- |  | 109 | \* | --- |  | 98 |  | --- | 106 | 4 |
| Mid-Atlantic | MA5165GT3 | 116 | - |  | 105 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 105 | 1 |
| Caverndale Farms | CF 889 VIP 3111 | 117 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 104 | 104 | 1 |
| Pioneer Brand | P1415Q | 114 | --- |  | 107 | \* | --- |  | 99 |  | --- |  | 106 | \* | --- |  | 100 | 103 | 4 |
| Progeny Ag Products | PGY 9117VT2P | 117 | --- |  | 107 | \* | --- |  | 104 | \* | --- |  | 98 |  | --- |  | 103 | 103 | 4 |
| NK Brand | NK1748-3110 | 117 | 98 |  | 105 | \* | 106 | \* | --- |  | 102 | \* | 108 | \* | 97 |  | --- | 103 | 6 |
| Progeny Ag Products | PGY 8116SS | 116 | 105 | \* | --- |  | 102 | \* | --- |  | 104 | \* | --- |  | 100 |  | --- | 103 | 4 |
| Pioneer Brand | P0921AMXT | 109 | 94 |  | --- |  | 99 |  | --- |  | 103 | \* | --- |  | 113 | \* | --- | 102 | 4 |
| FS | FS 62ZX1 RIB | 112 | 99 |  | --- |  | 110 | \* | --- |  | 98 |  | --- |  | 101 |  | --- | 102 | 4 |
| Caverndale Farms | CF 753 GTCBLL | 107 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 102 | 102 | 1 |
| Seed Consultants | SCS 1170AM™ | 117 | 105 | \* | 99 | \* | 114 | \* | 103 | \* | 95 |  | 104 | \* | 97 |  | 99 | 102 | 8 |
| Mid-Atlantic | MA8141DGVT2P | 114 | 105 | \* | 98 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 101 | 2 |
| Seed Consultants | SCS 1141AM™ | 114 | 108 | \* | 96 |  | 104 | \* | 106 | \* | 93 |  | 90 |  | 109 | \* | 105 | 101 | 8 |
| Caverndale Farms | CF 794 VIP 3111 | 109 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 101 | 101 | 1 |
| Augusta | A1367 | 117 | 96 |  | 105 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | 101 | 101 | 3 |
| LG Seeds | LG62C35VT2RIB | 112 | --- |  | 100 | \* | --- |  | 101 | \* | --- |  | --- |  | --- |  | --- | 100 | 2 |
| Mid-Atlantic | MA5166GT3VIP | 116 | 100 |  | 101 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 2 |
| Seedway | SW GXX7902 GENSSRIB | 115 | 103 | \* | --- |  | 96 |  | --- |  | 98 |  | --- |  | 104 | \* | --- | 100 | 4 |
| Partners Brand | PB 11702 | 117 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 100 |  | --- | 100 | 1 |
| Pioneer Brand | P1380Q | 113 | 103 | \* | 95 |  | 111 | \* | 100 |  | 90 |  | 98 |  | 98 |  | 106 | 100 | 8 |
| Mid-Atlantic | MA8128VT2PRIB | 112 | 100 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 1 |
| Mid-Atlantic | MA5144HDDCEZ | 114 | 100 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 1 |
| Redtail | RT 65T09-D1 | 115 | 103 | \* | --- |  | 97 |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 2 |
| Mid-Atlantic | MA8158SS | 115 | 100 |  | 100 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 2 |
| FS | FS 6406X RIB | 114 | 97 |  | --- |  | 101 |  | --- |  | 104 | \* |  |  | 96 |  | --- | 100 | 4 |
| Pioneer Brand | P1847AMXT | 118 | --- |  | 100 | \* | --- |  | 100 |  | --- |  | 99 |  | --- |  | 99 | 100 | 4 |
| Mid-Atlantic | MA5161VIP3220EZ | 116 | 95 |  | 104 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 99 | 2 |
| Seed Consultants | SC 1121AM™ | 112 | --- |  | 94 |  | --- |  | 100 | \* | --- |  | 100 | \* | --- |  | 103 | 99 | 4 |
| NK Brand | NK1677-3110 | 116 | 102 | \* | 110 | \* | 104 | \* | --- |  | 84 |  | 99 |  | 97 |  | --- | 99 | 6 |
| Seed Consultants | SCS 1111Q™ | 111 | --- |  | 92 |  | --- |  | 92 |  | --- |  | 103 | \* | --- |  | 109 | 99 | 4 |
| Augusta | A4567 | 117 | 99 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 99 | 1 |
| Augusta | A9967 | 117 | 100 |  | --- |  | 97 |  | 102 | \* | --- |  | --- |  | 102 | \* | 93 | 99 | 5 |
| FS | FS 6595X RIB | 115 | 103 | \* | --- |  | 97 |  | --- |  | 99 |  | --- |  | 94 |  | --- | 98 | 4 |
| FS | FS 6818X RIB | 118 | 100 |  | --- |  | 113 | \* | --- |  | 82 |  | --- |  | 98 |  | --- | 98 | 4 |
| Dyna-Gro | D53VC33 | 113 | --- |  | --- |  | --- |  | 98 |  | --- |  | --- |  | --- |  | --- | 98 | 1 |
| Seedway | SW6540 VT2PRIB | 107 | 100 |  | --- |  | 89 |  | --- |  | 98 |  | --- |  | 105 | \* | --- | 98 | 4 |
| Seedway | SW8100 GENSSRIB | 117 | 101 |  | --- |  | 96 |  | --- |  | 96 |  | --- |  | 98 |  | --- | 98 | 4 |
| LG Seeds | LG66C32VT2RIB | 116 | --- |  | 98 |  | --- |  | 98 |  | --- |  | --- |  | --- |  | --- | 98 | 2 |
| Caverndale Farms | CF 814 3000GT | 112 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 97 | 97 | 1 |
| Progeny Ag Products | PGY 7118VT2P | 118 | --- |  | 105 | \* | --- |  | 98 |  | --- |  | 92 |  | --- |  | 95 | 97 | 4 |
| Seed Consultants | SCS 1168AM™ | 116 | 99 |  | 99 | \* | 87 |  | 100 | \* | 97 |  | 103 | \* | 97 |  | 97 | 97 | 8 |
| Augusta | A4463 | 113 | --- |  | 96 |  | --- |  | 98 |  | --- |  | --- |  | --- |  | --- | 97 | 2 |
| Dyna-Gro | D57TC29 | 117 | --- |  | --- |  | --- |  | --- |  | 97 |  | --- |  | --- |  | --- | 97 | 1 |
| Mid-Atlantic | MA5155GT3VIP | 115 | 97 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 97 | 1 |
| Mid-Atlantic | MA5083DCEZ | 108 | 97 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 97 | 1 |
| Seedway | SW6760 GENSSRIB | 112 | 96 |  | --- |  | 103 | \* | --- |  | 85 |  | --- |  | 102 | \* | --- | 97 | 4 |
| Seed Consultants | SCS 1188AM™ | 118 | 95 |  | 101 | \* | 91 |  | 103 | \* | 87 |  | 101 | \* | 98 |  | 98 | 97 | 8 |
| Seed Consultants | SCS 1158AM™ | 115 | 103 | \* | 96 |  | 107 | \* | 99 |  | 80 |  | 99 |  | 97 |  | 92 | 97 | 8 |
| Partners Brand | PB 8600 | 116 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 96 |  | --- | 96 | 1 |
| Caverndale Farms | CF 859 VIP 3111 | 114 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 96 | 96 | 1 |
| Augusta | A7768 | 118 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 96 | 96 | 1 |
| Progeny Ag Products | PGY 2118VT2P | 118 | 103 | \* | --- |  | 104 | \* | --- |  | 80 |  | --- |  | 97 |  | --- | 96 | 4 |
| Pioneer Brand | P1197AMXT | 111 | --- |  | 84 |  | --- |  | 98 |  | --- |  | 102 | \* | --- |  | 98 | 96 | 4 |
| Partners Brand | PB 8580 | 115 | --- |  | --- |  | --- |  | --- |  | --- |  |  |  | 95 |  | --- | 95 | 1 |
| Dyna-Gro | D57VC17 | 117 | --- |  | --- |  | 89 |  | --- |  | --- |  | 101 | \* | --- |  | --- | 95 | 2 |
| Mid-Atlantic | MA5101VIP3330 | 110 | 92 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 92 | 1 |
| Dyna-Gro | D55VC80 | 115 | --- |  | --- |  | 83 |  | 100 |  | --- |  | --- |  | --- |  | --- | 92 | 2 |
| Augusta | A5663-3000GT | 113 | 91 |  | 91 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 91 | 2 |
| FS | FS 64SX1 RIB | 114 | 100 |  | --- |  | 73 |  | --- |  | 90 |  | --- |  | 102 | \* | --- | 91 | 4 |
| Redtail | RT 67T23 | 117 | 96 |  | --- |  | 79 |  | --- |  | --- |  | --- |  | --- |  | --- | 88 | 2 |
| Mid-Atlantic | MA5103HDDCEZ | 110 | - |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | - | 1 |
| Augusta | A6362 | 112 | - |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | - | 1 |
| 1 Days to maturity provided by company; differences in maturity rating methods may exist between companies. | | | | | | | | | | | | | | | | | | | |
| 2 Hybrids tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location. | | | | | | | | | | | | | | | | | | | |
| 3 Relative Milk per Ton (quality) calculated by dividing Milk per Ton for each hybrid at each site/year by the average Milk per Ton for that site/year. | | | | | | | | | | | | | | | | | | | |
| Numbers over 100 indicate above-average yield, 100 indicates average yield, numbers under 100 indicate below-average yield. | | | | | | | | | | | | | | | | | | | |
| \* Indicates numbers 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** |
|  |  |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  | 2021 |  | 2020 |  |  |
|  |  |  | ----------------------------------------------Relative Milk per Ton---------------------------------------------- | | | | | | | | | | | | | | |  |  |
| Mid-Atlantic | MA5083DCEZ | 108 | 134 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 134 | 1 |
| Redtail | RT 62T83 | 112 | 124 | \* | --- |  | 106 | \* | --- |  | --- |  | --- |  | --- |  | --- | 115 | 2 |
| Dyna-Gro | D58VC65 | 118 | --- |  | --- |  | --- |  | --- |  | 131 | \* | 98 |  | --- |  | --- | 115 | 2 |
| NK Brand | NK1661-3120A | 116 | 100 |  | --- |  | 122 | \* | --- |  | 115 | \* | --- |  | 117 | \* | --- | 114 | 4 |
| Mid-Atlantic | MA5101VIP3330 | 110 | 113 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 113 | 1 |
| Seed Consultants | SC1112AM™ | 111 | 129 | \* | --- |  | 109 | \* | --- |  | 118 | \* | --- |  | 95 |  | --- | 113 | 4 |
| Seed Consultants | SC1122Q™ | 112 | 107 | \* | --- |  | 101 |  | --- |  | 112 | \* | --- |  | 116 | \* | --- | 109 | 4 |
| Pioneer Brand | P0921AMXT | 109 | 101 |  | 107 | \* | 102 |  | 100 |  | 103 | \* | --- |  | 136 | \* | --- | 108 | 6 |
| Augusta | A5262 | 112 | --- |  | 108 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 108 | 1 |
| Progeny Ag Products | PGY 8116SS | 116 | 123 | \* | --- |  | 100 |  | --- |  | 102 |  | --- |  | 106 | \* | --- | 108 | 4 |
| FS | FS 65R87SS | 115 | 114 | \* | --- |  | 110 | \* | --- |  | 111 | \* | --- |  | 96 |  | --- | 108 | 4 |
| Seed Consultants | SCS 1111Q™ | 111 | --- |  | --- |  | --- |  | --- |  | --- |  | 103 | \* | --- |  | 109 | 106 | 2 |
| NK Brand | NK1748-3110 | 117 | 107 | \* | 105 | \* | 114 | \* | --- |  | 113 | \* | 108 | \* | 84 |  | --- | 105 | 6 |
| Mid-Atlantic | MA5165GT3 | 116 | - |  | 105 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 105 | 1 |
| Pioneer Brand | P1380Q | 113 | 128 | \* | 100 | \* | 91 |  | 99 |  | 112 | \* | 98 |  | 103 |  | 106 | 105 | 8 |
| Mid-Atlantic | MA5161VIP3220EZ | 116 | 104 | \* | 104 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 104 | 2 |
| Caverndale Farms | CF 889 VIP 3111 | 117 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 104 | 104 | 1 |
| Progeny Ag Products | PGY 9117VT2P | 117 | --- |  | 107 | \* | --- |  | 104 | \* | --- |  | 98 |  | --- |  | 103 | 103 | 4 |
| Seed Consultants | SCS 1170AM™ | 117 | 112 | \* | --- |  | 116 | \* | 92 |  | 89 |  | 104 | \* | 104 | \* | 99 | 102 | 7 |
| Seed Consultants | SC 1121AM™ | 112 | --- |  | 99 | \* | --- |  | 106 | \* | --- |  | 100 | \* | --- |  | 103 | 102 | 4 |
| Caverndale Farms | CF 753 GTCBLL | 107 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 102 | 102 | 1 |
| FS | FS 62ZX1 RIB | 112 | 109 | \* | --- |  | 104 | \* | --- |  | 101 |  | --- |  | 93 |  | --- | 102 | 4 |
| FS | FS 6818X RIB | 118 | 118 | \* | --- |  | 108 | \* | --- |  | 78 |  | --- |  | 102 |  | --- | 101 | 4 |
| Caverndale Farms | CF 794 VIP 3111 | 109 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 101 | 101 | 1 |
| Seedway | SW6760 GENSSRIB | 112 | 98 |  | --- |  | 96 |  | --- |  | 99 |  | --- |  | 111 | \* | --- | 101 | 4 |
| Progeny Ag Products | PGY 2118VT2P | 118 | 110 | \* | --- |  | 117 | \* | --- |  | 84 |  | --- |  | 93 |  | --- | 101 | 4 |
| Augusta | A4567 | 117 | 101 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 101 | 1 |
| LG Seeds | LG62C35VT2RIB | 112 | --- |  | 100 | \* | 101 | \* | --- |  | --- |  | --- |  | --- |  | --- | 100 | 2 |
| Pioneer Brand | P1415Q | 114 | --- |  | 96 |  | --- |  | 100 |  | --- |  | 106 | \* | --- |  | 100 | 100 | 4 |
| Seed Consultants | SCS 1168AM™ | 116 | 80 |  | 94 |  | 95 |  | 103 | \* | 119 | \* | 103 | \* | 110 | \* | 97 | 100 | 8 |
| Mid-Atlantic | MA5155GT3VIP | 115 | 100 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 100 | 1 |
| FS | FS 6406X RIB | 114 | 77 |  | --- |  | 123 | \* | --- |  | 93 |  | --- |  | 105 | \* | --- | 100 | 4 |
| Pioneer Brand | P1847AMXT | 118 | --- |  | 99 | \* | --- |  | 99 |  | --- |  | 99 |  | --- |  | 99 | 99 | 4 |
| Redtail | RT 65T09-D1 | 115 | 109 | \* | --- |  | 89 |  | --- |  | --- |  | --- |  | --- |  | --- | 99 | 2 |
| Seedway | SW6540 VT2PRIB | 107 | 120 | \* | --- |  | 88 |  | --- |  | 100 |  | --- |  | 86 |  | --- | 98 | 4 |
| Pioneer Brand | P1197AMXT | 111 | --- |  | 95 |  | --- |  | 98 |  | --- |  | 102 | \* | --- |  | 98 | 98 | 4 |
| Augusta | A9967 | 117 | 99 |  | --- |  | 98 |  | 102 | \* | --- |  | --- |  | 100 |  | 93 | 98 | 5 |
| Dyna-Gro | D53VC33 | 113 | --- |  | --- |  | --- |  | 98 |  | --- |  | --- |  | --- |  | --- | 98 | 1 |
| NK Brand | NK1677-3110 | 116 | 86 |  | 110 | \* | 119 | \* | --- |  | 77 |  | 99 |  | 97 |  | --- | 98 | 6 |
| FS | FS 6595X RIB | 115 | 100 |  | --- |  | 86 |  | --- |  | 109 | \* | --- |  | 96 |  | --- | 98 | 4 |
| LG Seeds | LG66C32VT2RIB | 116 | --- |  | 98 |  | 98 |  | --- |  | --- |  | --- |  | --- |  | --- | 98 | 2 |
| Caverndale Farms | CF 814 3000GT | 112 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 97 | 97 | 1 |
| Progeny Ag Products | PGY 7118VT2P | 118 | --- |  | 105 | \* | --- |  | 98 |  | --- |  | 92 |  | --- |  | 95 | 97 | 4 |
| Augusta | A1367 | 117 | 86 |  | 105 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | 101 | 97 | 3 |
| Augusta | A4463 | 113 | --- |  | 96 |  | --- |  | 98 |  | --- |  | --- |  | --- |  | --- | 97 | 2 |
| Dyna-Gro | D55VC80 | 115 | --- |  | --- |  | 93 |  | 100 |  | --- |  | --- |  | --- |  | --- | 96 | 2 |
| Seedway | SW GXX7902 GENSSRIB | 115 | 118 | \* | --- |  | 88 |  | --- |  | 76 |  | --- |  | 103 |  | --- | 96 | 4 |
| Caverndale Farms | CF 859 VIP 3111 | 114 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 96 | 96 | 1 |
| Augusta | A7768 | 118 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 96 | 96 | 1 |
| Seed Consultants | SCS 1188AM™ | 118 | 99 |  | 96 |  | 92 |  | 100 | \* | 78 |  | 101 | \* | 101 |  | 98 | 96 | 8 |
| Seed Consultants | SCS 1141AM™ | 114 | 69 |  | 92 |  | 99 |  | 103 | \* | 89 |  | 90 |  | 112 |  | 105 | 95 | 8 |
| Dyna-Gro | D57TC29 | 117 | --- |  | 84 |  | --- |  | --- |  | 106 | \* | --- |  | --- |  | --- | 95 | 2 |
| Dyna-Gro | D57VC17 | 117 | --- |  | --- |  | 88 |  | --- |  | --- |  | 101 | \* | --- |  | --- | 95 | 2 |
| Augusta | A5663-3000GT | 113 | 96 |  | 91 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 94 | 2 |
| Mid-Atlantic | MA8158SS | 115 | 87 |  | 100 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 94 | 2 |
| Seedway | SW8100 GENSSRIB | 117 | 80 |  | --- |  | 100 |  | --- |  | 90 |  | --- |  | 102 |  | --- | 93 | 4 |
| Mid-Atlantic | MA8141DGVT2P | 114 | 87 |  | 98 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 92 | 2 |
| Seed Consultants | SCS 1158AM™ | 115 | 86 |  | 101 | \* | 95 |  | 100 | \* | 85 |  | 99 |  | 79 |  | 92 | 92 | 8 |
| FS | FS 64SX1 RIB | 114 | 74 |  | --- |  | 70 |  | --- |  | 108 | \* | --- |  | 104 | \* | --- | 89 | 4 |
| Mid-Atlantic | MA8128VT2PRIB | 112 | 88 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 88 | 1 |
| Mid-Atlantic | MA5166GT3VIP | 116 | 74 |  | 101 | \* | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 87 | 2 |
| Partners Brand | PB 11702 | 117 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 87 |  | --- | 87 | 1 |
| Mid-Atlantic | MA5144HDDCEZ | 114 | 84 |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | 84 | 1 |
| Partners Brand | PB 8600 | 116 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 81 |  | --- | 81 | 1 |
| Partners Brand | PB 8580 | 115 | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | 79 |  | --- | 79 | 1 |
| Redtail | RT 67T23 | 117 | 69 |  | --- |  | 80 |  | --- |  | --- |  | --- |  | --- |  | --- | 75 | 2 |
| Mid-Atlantic | MA5103HDDCEZ | 110 | - |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | - | 1 |
| Augusta | A6362 | 112 | - |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- |  | --- | - | 1 |
| 1 Days to maturity provided by company; differences in maturity rating methods may exist between companies. | | | | | | | | | | | | | | | | | | | |
| 2 Hybrids tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location. | | | | | | | | | | | | | | | | | | | |
| 3 Relative Milk per Ton (quality) calculated by dividing Milk per Ton for each hybrid at each site/year by the average Milk per Ton for that site/year. | | | | | | | | | | | | | | | | | | | |
| Numbers over 100 indicate above-average yield, 100 indicates average yield, numbers under 100 indicate below-average yield. | | | | | | | | | | | | | | | | | | | |
| \* Indicates numbers 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. Corn silage test results at the Southern Piedmont AREC, Blackstone, VA in 2021. | | | | | | | | | | | | | | | | | |  | | |  | |  | |  | |  | |  |  | |  | |  | |  |  |  |  |  |  |  |  |  |  |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | | **TDN** | | | | **Milk2006** | | | | **Milk2006** | | | | |  | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **---------------------------%---------------------------** | | | | | | | | **Mcal/lb** | | | **%** | | | | **lb milk/ton** | | | | **lb milk/acre** | | | | |  | |
| Dyna-Gro | D58VC65 | 118 | 34.4 |  | 25.2 |  | 8.8 |  | 7.9 |  | 27.0 |  | 46.7 |  | 62.2 |  | 0.57 | |  | 52.3 | |  | | 2088 | |  | | 17057 | | | \* | |  | |
| Seed Consultants | SC1168AM™ | 116 | 33.2 |  | 28.9 |  | 10.1 |  | 8.0 |  | 27.3 |  | 46.4 |  | 65.2 |  | 0.51 | |  | 43.2 | |  | | 1533 | |  | | 15510 | | |  | |  | |
| Seed Consultants | SC1112AM™ | 111 | 32.4 |  | 22.9 |  | 8.0 |  | 8.5 |  | 24.3 |  | 43.4 |  | 64.3 |  | 0.56 | |  | 51.0 | |  | | 2009 | |  | | 15354 | | |  | |  | |
| NK Brand | NK1661-3120A | 116 | 32.7 |  | 19.3 |  | 6.8 |  | 8.2 |  | 24.2 |  | 43.3 |  | 62.1 |  | 0.60 | | **\*** | 55.0 | | **\*** | | 2269 | | **\*** | | 14987 | | |  | |  | |
| NK Brand | NK1748-3110 | 117 | 33.2 |  | 26.0 |  | 9.1 |  | 8.5 |  | 25.3 |  | 45.1 |  | 62.1 |  | 0.52 | |  | 44.6 | |  | | 1614 | |  | | 14657 | | |  | |  | |
| Pioneer Brand | P1380Q | 113 | 32.7 |  | 29.6 | \* | 10.3 | \* | 8.0 |  | 27.6 |  | 48.3 |  | 65.6 | \* | 0.49 | |  | 41.4 | |  | | 1430 | |  | | 14593 | | |  | |  | |
| Seed Consultants | SC1122Q™ | 112 | 34.4 |  | 21.0 |  | 7.3 |  | 8.2 |  | 23.3 | \* | 42.8 | \* | 63.3 |  | 0.57 | |  | 51.4 | |  | | 2024 | |  | | 14591 | | |  | |  | |
| FS | FS 65R87SS | 115 | 33.2 |  | 24.0 |  | 8.4 |  | 6.9 |  | 25.0 |  | 43.9 |  | 61.9 |  | 0.54 | |  | 46.3 | |  | | 1726 | |  | | 14362 | | |  | |  | |
| FS | FS 6595X RIB | 115 | 35.5 |  | 25.7 |  | 9.0 |  | 8.8 |  | 24.0 |  | 43.2 |  | 63.2 |  | 0.51 | |  | 44.6 | |  | | 1572 | |  | | 14160 | | |  | |  | |
| FS | FS 64SX1 RIB | 114 | 35.6 |  | 27.9 |  | 9.8 |  | 8.2 |  | 26.8 |  | 46.7 |  | 64.1 |  | 0.49 | |  | 41.7 | |  | | 1419 | |  | | 14000 | | |  | |  | |
| Dyna-Gro | D57TC29 | 117 | 32.8 |  | 25.9 |  | 9.1 |  | 9.0 |  | 27.0 |  | 44.7 |  | 64.9 |  | 0.51 | |  | 43.7 | |  | | 1531 | |  | | 13802 | | |  | |  | |
| Pioneer Brand | P0921AMXT | 109 | 33.0 |  | 23.7 |  | 8.3 |  | 8.7 |  | 25.9 |  | 44.5 |  | 63.3 |  | 0.52 | |  | 44.9 | |  | | 1623 | |  | | 13418 | | |  | |  | |
| Progeny Ag Products | PGY 8116SS | 116 | 33.3 |  | 22.9 |  | 8.0 |  | 8.9 |  | 24.1 |  | 44.4 |  | 62.8 |  | 0.53 | |  | 45.2 | |  | | 1647 | |  | | 13292 | | |  | |  | |
| FS | FS 62ZX1 RIB | 112 | 33.9 |  | 24.0 |  | 8.4 |  | 8.8 |  | 26.4 |  | 45.0 |  | 63.4 |  | 0.51 | |  | 43.9 | |  | | 1556 | |  | | 13176 | | |  | |  | |
| Seedway | SW6540 VT2PRIB | 107 | 35.3 |  | 24.0 |  | 8.4 |  | 7.8 |  | 24.5 |  | 45.3 |  | 64.0 |  | 0.51 | |  | 43.9 | |  | | 1559 | |  | | 13032 | | |  | |  | |
| Seedway | SW6760 GENSSRIB | 112 | 35.4 |  | 27.4 |  | 9.6 |  | 8.8 |  | 26.9 |  | 47.5 |  | 64.7 |  | 0.48 | |  | 40.7 | |  | | 1350 | |  | | 12890 | | |  | |  | |
| FS | FS 6406X RIB | 114 | 32.2 |  | 21.0 |  | 7.4 |  | 8.6 |  | 24.8 |  | 45.2 |  | 62.2 |  | 0.53 | |  | 45.0 | |  | | 1651 | |  | | 12142 | | |  | |  | |
| Seedway | SW8100 GENSSRIB | 117 | 34.5 |  | 22.1 |  | 7.7 |  | 8.4 |  | 25.2 |  | 46.3 |  | 62.7 |  | 0.51 | |  | 43.1 | |  | | 1523 | |  | | 11667 | | |  | |  | |
| Seed Consultants | SC1141AM™ | 114 | 34.2 |  | 22.5 |  | 7.9 |  | 8.4 |  | 25.7 |  | 46.2 |  | 65.2 |  | 0.50 | |  | 42.6 | |  | | 1476 | |  | | 11571 | | |  | |  | |
| Seed Consultants | SC1170AM™ | 117 | 33.7 |  | 22.4 |  | 7.8 |  | 8.4 |  | 25.7 |  | 46.9 |  | 63.6 |  | 0.50 | |  | 42.6 | |  | | 1497 | |  | | 11528 | | |  | |  | |
| Seed Consultants | SC1158AM™ | 115 | 36.0 | \* | 25.4 |  | 8.9 |  | 8.1 |  | 27.3 |  | 48.3 |  | 64.9 |  | 0.47 | |  | 39.4 | |  | | 1268 | |  | | 11090 | | |  | |  | |
| Progeny Ag Products | PGY 2118VT2P | 118 | 35.1 |  | 24.5 |  | 8.6 |  | 8.7 |  | 27.0 |  | 50.0 |  | 63.1 |  | 0.47 | |  | 38.9 | |  | | 1263 | |  | | 10866 | | |  | |  | |
| Seed Consultants | SC1188AM™ | 118 | 34.4 |  | 21.1 |  | 7.4 |  | 8.8 |  | 26.2 |  | 47.4 |  | 65.1 |  | 0.48 | |  | 41.0 | |  | | 1373 | |  | | 10143 | | |  | |  | |
| FS | FS 6818X RIB | 118 | 33.3 |  | 22.8 |  | 8.0 |  | 8.5 |  | 28.3 |  | 50.6 |  | 62.4 |  | 0.47 | |  | 39.1 | |  | | 1298 | |  | | 10121 | | |  | |  | |
| NK Brand | NK1677-3110 | 116 | 34.1 |  | 21.4 |  | 7.5 |  | 8.6 |  | 28.6 |  | 48.3 |  | 64.1 |  | 0.48 | |  | 40.2 | |  | | 1330 | |  | | 10008 | | |  | |  | |
| Seedway | SW GXX7902 GENSSRIB | 115 | 33.9 |  | 18.2 |  | 6.4 |  | 9.3 | \* | 25.0 |  | 44.8 |  | 62.9 |  | 0.51 | |  | 43.9 | |  | | 1546 | |  | | 9853 | | |  | |  | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  | |  | |  | |  | |  | | |  | |  | |
|  | Site Average |  | 33.9 |  | 23.8 |  | 8.3 |  | 8.4 |  | 25.9 |  | 46.0 |  | 63.6 |  | 0.51 | |  | 44.2 | |  | | 1584 | |  | | 12995 | | |  | |  | |
|  | LSD (0.10) |  | 2.1 |  | 5.3 |  | 1.8 |  | 1.1 |  | 2.8 |  | 3.8 |  | 2.7 |  | 0.06 | |  | 7.7 | |  | | 486 | |  | | 3573 | | |  | |  | |
|  | C.V. |  | 4.9 |  | 17.2 |  | 17.2 |  | 10.0 |  | 8.3 |  | 6.4 |  | 3.2 |  | 8.78 | |  | 13.5 | |  | | 24 | |  | | 21 | | |  | |  | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |

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| Table 7. Two-year corn silage test results at the Southern Piedmont AREC, Blackstone, VA 2020 and 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **--------------------------------%--------------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| NK Brand | NK1748-3110 | 117 | 29.6 | \* | 20.1 | \* | 7.0 | \* | 8.8 | \* | 31.0 | \* | 52.2 | \* | 64.8 | \* | 0.57 | \* | 55.2 | \* | 2199 | \* | 14228 | \* |
| Dyna-Gro | D58VC65 | 118 | 29.0 | \* | 17.6 | \* | 6.2 | \* | 9.3 | \* | 33.1 | \* | 54.6 | \* | 61.1 |  | 0.58 | \* | 57.5 | \* | 2347 | \* | 13382 | \* |
| Seed Consultants | SC1168AM™ | 116 | 28.4 | \* | 18.7 | \* | 6.6 | \* | 9.2 | \* | 33.2 |  | 54.6 | \* | 65.7 | \* | 0.56 | **\*** | 55.1 | **\*** | 2176 | **\*** | 12485 | \* |
| Pioneer Brand | P1380Q | 113 | 29.4 | \* | 19.5 | \* | 6.8 | \* | 9.2 | \* | 32.1 | \* | 53.8 | \* | 60.8 |  | 0.55 | **\*** | 52.4 | **\*** | 2057 | **\*** | 12401 | \* |
| Seed Consultants | SC1170AM™ | 117 | 29.2 | \* | 17.1 | \* | 6.0 | \* | 9.1 | \* | 31.4 | \* | 53.6 | \* | 64.4 | \* | 0.55 | **\*** | 53.3 | **\*** | 2087 | **\*** | 11338 |  |
| Seed Consultants | SC1158AM™ | 115 | 32.1 | \* | 19.1 | \* | 6.7 | \* | 8.5 | \* | 33.0 | \* | 55.0 | \* | 63.4 | \* | 0.53 | **\*** | 50.7 | **\*** | 1913 | **\*** | 11271 |  |
| Seed Consultants | SC1188AM™ | 118 | 31.3 | \* | 17.0 | \* | 6.0 | \* | 9.6 | \* | 29.9 | \* | 51.0 | \* | 62.5 |  | 0.53 | **\*** | 50.0 | **\*** | 1904 | **\*** | 10366 |  |
| NK Brand | NK1677-3110 | 116 | 26.6 |  | 14.9 | \* | 5.2 | \* | 9.7 | \* | 34.8 |  | 58.1 | \* | 66.7 | \* | 0.55 | **\*** | 55.5 | **\*** | 2150 | **\*** | 10272 |  |
| Seed Consultants | SC1141AM™ | 114 | 30.5 | \* | 16.9 | \* | 5.9 | \* | 9.4 | \* | 30.0 | \* | 52.2 | \* | 60.3 |  | 0.53 | **\*** | 49.0 | **\*** | 1844 | **\*** | 9900 |  |
|  | Site Average |  | 29.6 |  | 17.9 |  | 6.3 |  | 9.2 |  | 32.0 |  | 53.9 |  | 63.3 |  | 0.55 |  | 53.2 |  | 2075 |  | 11738 |  |
|  | LSD (0.10) |  | 4.5 |  | 7.4 |  | 2.6 |  | 1.2 |  | 1.7 |  | 7.2 |  | 4.6 |  | 0.06 |  | 10.7 |  | 608 |  | 2566 |  |
|  | C.V. |  | 16.3 |  | 44.3 |  | 44.3 |  | 13.8 |  | 18.6 |  | 14.4 |  | 7.9 |  | 11.30 |  | 21.7 |  | 32 |  | 24 |  |
| 1Days to maturity provided by company; differences in maturity rating methods may exist between companies. | | | | | | | | | | | | | | | | | | | | | | | | |
| \* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer. | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 8. Corn silage test results at the Northern Piedmont Center, Orange, VA in 2021. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | **DM Yield** | | **Crude Protein** | | | **ADF** | | | **NDF** | | | **NDF Digest.** | | | **NEL** | | | **TDN** | | | **Milk2006** | | | **Milk2006** | | |
|  |  | **Days** | **%** | | **ton/acre** | **ton/acre** | | **------------------------------%-----------------------------** | | | | | | | | | | | | **Mcal/lb** | | | **%** | | | **lb milk/ton** | | | **lb milk/acre** | | |
| FS | FS 6406X RIB | 114 | 42.7 |  | 18.3 | \* | 6.4 | \* | 7.9 |  | | 31.2 | \* | | 52.2 | \* | | 69.0 | \* | | 0.44 | **\*** | | 40.6 | \* | | 1594 | \* | | 10426 | \* | |
| NK Brand | NK1661-3120A | 116 | 40.9 |  | 16.8 | \* | 5.9 | \* | 8.3 |  | | 29.5 | \* | | 48.3 | \* | | 69.8 | \* | | 0.31 |  | | 23.4 |  | | 1745 | \* | | 10332 | \* | |
| NK Brand | NK1677-3110 | 116 | 38.0 |  | 17.7 | \* | 6.2 | \* | 8.7 |  | | 32.5 |  | | 55.5 |  | | 72.8 | \* | | 0.33 |  | | 27.0 |  | | 1626 | \* | | 10081 | \* | |
| Progeny Ag Products | PGY 2118VT2P | 118 | 42.9 |  | 17.3 | \* | 6.1 | \* | 9.0 | \* | | 30.9 | \* | | 51.8 | \* | | 68.5 | \* | | 0.47 | \* | | 43.7 | \* | | 1635 | \* | | 9851 | \* | |
| Seed Consultants | SC1170AM™ | 117 | 40.2 |  | 15.7 | \* | 5.5 | \* | 9.0 | \* | | 30.6 | \* | | 50.0 | \* | | 70.6 | \* | | 0.34 |  | | 27.4 |  | | 1783 | \* | | 9799 | \* | |
| NK Brand | NK1748-3110 | 117 | 40.2 |  | 16.6 | \* | 5.8 | \* | 8.6 |  | | 31.7 |  | | 52.7 | \* | | 71.9 | \* | | 0.38 |  | | 31.7 |  | | 1670 | \* | | 9661 | \* | |
| FS | FS 65R87SS | 115 | 43.0 |  | 15.1 |  | 5.3 |  | 8.5 |  | | 30.3 | \* | | 49.6 | \* | | 71.0 | \* | | 0.45 | **\*** | | 41.0 | \* | | 1758 | \* | | 9302 | \* | |
| Seed Consultants | SC1112AM™ | 111 | 42.0 |  | 17.1 | \* | 6.0 | \* | 9.7 | \* | | 30.5 | \* | | 51.0 | \* | | 66.5 |  | | 0.44 | \* | | 40.9 | \* | | 1574 | \* | | 9244 | \* | |
| FS | FS 6818X RIB | 118 | 42.3 |  | 14.9 |  | 5.2 |  | 8.5 |  | | 29.6 | \* | | 50.0 | \* | | 69.5 | \* | | 0.38 |  | | 32.1 | \* | | 1774 | \* | | 9112 | \* | |
| Redtail | RT 62T83 | 112 | 40.9 |  | 14.3 |  | 5.0 |  | 9.2 | \* | | 29.3 | \* | | 47.5 | \* | | 74.2 | \* | | 0.38 |  | | 31.7 |  | | 1785 | \* | | 8971 | \* | |
| FS | FS 62ZX1 RIB | 112 | 41.4 |  | 14.6 |  | 5.1 |  | 8.5 |  | | 29.8 | \* | | 50.0 | \* | | 70.9 | \* | | 0.46 | **\*** | | 38.9 | \* | | 1733 | \* | | 8788 | \* | |
| Pioneer Brand | P0921AMXT | 109 | 42.9 |  | 15.5 |  | 5.4 |  | 8.6 |  | | 31.2 | \* | | 52.4 | \* | | 70.7 | \* | | 0.35 |  | | 28.9 |  | | 1561 | \* | | 8607 | \* | |
| Seed Consultants | SC1122Q™ | 112 | 41.5 |  | 14.4 |  | 5.0 |  | 9.5 | \* | | 28.3 | \* | | 47.6 | \* | | 67.8 |  | | 0.42 | **\*** | | 38.2 | \* | | 1723 | \* | | 8523 | \* | |
| Seedway | SW8100 GENSSRIB | 117 | 43.2 |  | 16.0 | \* | 5.6 | \* | 8.0 |  | | 32.4 |  | | 54.2 |  | | 74.3 | \* | | 0.36 |  | | 31.8 | \* | | 1507 | \* | | 8439 | \* | |
| Progeny Ag Products | PGY 8116SS | 116 | 45.4 | \* | 15.2 |  | 5.3 |  | 8.2 |  | | 30.8 | \* | | 51.3 | \* | | 66.7 |  | | 0.35 |  | | 28.8 |  | | 1598 | \* | | 8431 | \* | |
| Seed Consultants | SC1141AM™ | 114 | 41.2 |  | 14.7 |  | 5.1 |  | 8.8 | \* | | 30.4 | \* | | 51.3 | \* | | 68.5 | \* | | 0.41 | \* | | 36.9 | \* | | 1639 | \* | | 8398 | \* | |
| Augusta | A9967 | 117 | 43.6 |  | 15.6 | \* | 5.5 | \* | 8.3 |  | | 30.9 | \* | | 51.3 | \* | | 73.6 | \* | | 0.36 |  | | 29.0 |  | | 1516 | \* | | 8309 |  | |
| Seedway | SW6760 GENSSRIB | 112 | 43.3 |  | 14.1 |  | 4.9 |  | 8.8 | \* | | 30.7 | \* | | 50.3 | \* | | 73.9 | \* | | 0.43 | **\*** | | 39.0 | \* | | 1623 | \* | | 8109 |  | |
| Seed Consultants | SC1158AM™ | 115 | 42.3 |  | 13.7 |  | 4.8 |  | 8.5 |  | | 31.9 |  | | 51.4 | \* | | 71.7 | \* | | 0.36 |  | | 29.6 |  | | 1684 | \* | | 8060 |  | |
| Seed Consultants | SC1168AM™ | 116 | 42.7 |  | 17.1 | \* | 6.0 | \* | 8.7 |  | | 32.3 |  | | 55.7 |  | | 71.9 | \* | | 0.43 | \* | | 38.9 | \* | | 1368 |  | | 7997 |  | |
| Dyna-Gro | D55VC80 | 115 | 45.5 | \* | 17.5 | \* | 6.1 | \* | 8.3 |  | | 32.9 |  | | 57.5 |  | | 69.5 | \* | | 0.45 | \* | | 40.9 | \* | | 1308 |  | | 7861 |  | |
| Seed Consultants | SC1188AM™ | 118 | 43.6 |  | 15.2 |  | 5.3 |  | 8.3 |  | | 32.9 |  | | 56.0 |  | | 74.4 | \* | | 0.33 |  | | 25.7 |  | | 1429 |  | | 7732 |  | |
| Pioneer Brand | P1380Q | 113 | 39.7 |  | 12.7 |  | 4.5 |  | 9.0 | \* | | 30.0 | \* | | 50.2 | \* | | 72.7 | \* | | 0.44 | \* | | 39.8 | \* | | 1745 | \* | | 7657 |  | |
| Redtail | RT 65T09-D1 | 115 | 40.0 |  | 14.1 |  | 4.9 |  | 8.3 |  | | 32.9 |  | | 54.9 |  | | 69.5 | \* | | 0.42 | \* | | 37.7 | \* | | 1516 | \* | | 7522 |  | |
| Seedway | SW GXX7902 GENSSRIB | 115 | 47.3 | \* | 14.1 |  | 4.9 |  | 8.3 |  | | 30.0 | \* | | 51.2 | \* | | 68.4 | \* | | 0.40 | \* | | 34.0 | \* | | 1508 | \* | | 7423 |  | |
| Dyna-Gro | D57VC17 | 117 | 46.1 | \* | 15.3 |  | 5.4 |  | 8.1 |  | | 32.5 |  | | 55.0 |  | | 72.6 | \* | | 0.34 |  | | 27.6 |  | | 1394 |  | | 7400 |  | |
| Seedway | SW6540 VT2PRIB | 107 | 46.0 | \* | 14.9 |  | 5.2 |  | 8.5 |  | | 33.2 |  | | 55.6 |  | | 72.5 | \* | | 0.33 |  | | 26.6 |  | | 1398 |  | | 7400 |  | |
| FS | FS 6595X RIB | 115 | 44.5 | \* | 13.7 |  | 4.8 |  | 8.5 |  | | 30.9 | \* | | 52.8 | \* | | 70.6 | \* | | 0.42 | **\*** | | 38.3 | \* | | 1525 | \* | | 7251 |  | |
| Redtail | RT 67T23 | 117 | 43.6 |  | 15.4 |  | 5.4 |  | 8.1 |  | | 36.3 |  | | 60.4 |  | | 70.7 | \* | | 0.35 |  | | 28.1 |  | | 1248 |  | | 6743 |  | |
| FS | FS 64SX1 RIB | 114 | 44.5 | \* | 14.6 |  | 5.1 |  | 7.8 |  | | 35.9 |  | | 61.1 |  | | 65.8 |  | | 0.40 | **\*** | | 36.3 | \* | | 1154 |  | | 5924 |  | |
|  |  |  |  |  |  |  |  |  |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |
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|  | Site Average |  | 42.7 |  | 15.4 |  | 5.4 |  | 8.5 |  | | 31.4 |  | | 52.6 |  | | 70.7 |  | | 0.39 |  | | 33.8 |  | | 1571 |  | | 8445 |  | |
|  | LSD (0.10) |  | 3.0 |  | 2.8 |  | 1.0 |  | 0.9 |  | | 3.1 |  | | 5.9 |  | | 6.5 |  | | 0.09 |  | | 11.8 |  | | 308 |  | | 2110 |  | |
|  | C.V. |  | 5.7 |  | 14.8 |  | 14.8 |  | 8.2 |  | | 8.1 |  | | 9.0 |  | | 7.5 |  | | 18.90 |  | | 28.5 |  | | 16 |  | | 20 |  | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Table 9. Two-year corn silage test results at the Northern Piedmont Center, Orange, VA 2020 and 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **------------------------------%------------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| Seed Consultants | SC1158AM™ | 115 | 37.5 |  | 17.6 | \* | 6.1 | \* | 7.2 |  | 31.2 |  | 50.7 |  | 68.3 | \* | 0.54 | **\*** | 52.3 | **\*** | 2501 | **\*** | 16181 | \* |
| Pioneer Brand | P1380Q | 113 | 36.6 |  | 17.2 | \* | 6.0 | \* | 7.8 | \* | 29.6 | \* | 48.9 | \* | 68.3 | \* | 0.56 | **\*** | 54.6 | **\*** | 2439 | **\*** | 15736 | \* |
| Seed Consultants | SC1170AM™ | 117 | 36.2 |  | 16.3 | \* | 5.7 | \* | 8.0 | \* | 29.6 | \* | 47.8 | \* | 66.9 |  | 0.52 | **\*** | 49.0 | **\*** | 2512 | **\*** | 14476 |  |
| Dyna-Gro | D55VC80 | 115 | 39.8 | \* | 18.3 | \* | 6.4 | \* | 7.3 |  | 31.2 |  | 52.5 |  | 66.2 | \* | 0.56 | \* | 55.1 | \* | 2218 |  | 14424 |  |
| Augusta | A9967 | 117 | 38.2 | \* | 16.9 | \* | 5.9 | \* | 7.4 |  | 30.5 |  | 49.5 | \* | 68.7 | \* | 0.52 |  | 49.5 | \* | 2350 | \* | 14307 |  |
| Seed Consultants | SC1141AM™ | 114 | 37.7 |  | 16.6 | \* | 5.8 | \* | 7.9 | \* | 29.5 | \* | 48.1 | \* | 66.4 |  | 0.53 | **\*** | 51.8 | **\*** | 2360 | **\*** | 14294 |  |
| Seed Consultants | SC1188AM™ | 118 | 39.6 | \* | 17.1 | \* | 6.0 | \* | 7.4 |  | 31.9 |  | 52.5 |  | 71.0 | \* | 0.48 |  | 45.0 |  | 2197 |  | 13906 |  |
| Seed Consultants | SC1168AM™ | 116 | 37.7 |  | 17.2 | \* | 6.0 | \* | 7.3 |  | 31.8 |  | 53.6 |  | 69.1 | \* | 0.55 | **\*** | 54.4 | **\*** | 2256 | **\*** | 13496 |  |
|  | Site Average |  | 37.9 |  | 17.1 |  | 6.0 |  | 7.5 |  | 30.7 |  | 50.5 |  | 68.1 |  | 0.53 |  | 51.5 |  | 2354 |  | 14602 |  |
|  | LSD (0.10) |  | 1.8 |  | 2.1 |  | 0.7 |  | 0.6 |  | 1.7 |  | 3.7 |  | 3.3 |  | 0.05 |  | 6.7 |  | 175 |  | 1684 |  |
|  | C.V. |  | 5.6 |  | 14.2 |  | 14.2 |  | 8.4 |  | 6.4 |  | 8.5 |  | 11.3 |  | 1.54 |  | 15.1 |  | 9 |  | 13 |  |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |

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| Table 10. Corn silage test results at the Shenandoah Valley location, Timberville, VA in 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **------------------------------%------------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| Mid-Atlantic | MA5083DCEZ | 108 | 42.2 |  | 17.5 | \* | 7.9 | \* | 10.8 |  | 26.8 |  | 48.1 |  | 58.8 |  | 0.60 | **\*** | 62.5 | **\*** | 2617 | **\*** | 20600 | \* |
| Seed Consultants | SC1112AM™ | 111 | 37.7 |  | 15.6 | \* | 7.0 | \* | 10.9 |  | 23.3 | \* | 47.9 |  | 64.8 | \* | 0.63 | **\*** | 65.8 | **\*** | 2832 | **\*** | 19774 | \* |
| Pioneer Brand | P1380Q | 113 | 38.7 |  | 15.7 | \* | 7.1 | \* | 10.9 |  | 26.8 |  | 48.1 |  | 61.7 | \* | 0.62 | **\*** | 64.8 | **\*** | 2771 | **\*** | 19666 | \* |
| Redtail | RT 62T83 | 112 | 41.3 |  | 15.9 | \* | 7.2 | \* | 10.2 |  | 23.6 | \* | 47.0 | \* | 60.4 |  | 0.60 | **\*** | 63.4 | **\*** | 2667 | **\*** | 19072 | \* |
| Progeny Ag Products | PGY 8116SS | 116 | 38.2 |  | 14.8 | \* | 6.7 | \* | 10.7 |  | 28.0 |  | 47.3 |  | 61.1 | \* | 0.63 | **\*** | 65.5 | **\*** | 2824 | **\*** | 18837 | \* |
| Seedway | SW6540 VT2PRIB | 107 | 38.7 |  | 15.4 | \* | 6.9 | \* | 11.2 | \* | 23.3 | \* | 49.7 |  | 59.1 |  | 0.61 | **\*** | 63.4 | **\*** | 2686 | **\*** | 18476 | \* |
| Seedway | SW GXX7902 GENSSRIB | 115 | 40.7 |  | 14.6 | \* | 6.6 | \* | 10.6 |  | 26.2 |  | 47.8 |  | 63.9 | \* | 0.62 | **\*** | 65.3 | **\*** | 2786 | **\*** | 18167 | \* |
| FS | FS 6818X RIB | 118 | 40.2 |  | 15.0 | \* | 6.7 | \* | 11.1 |  | 27.0 |  | 48.4 |  | 60.2 |  | 0.61 | **\*** | 63.7 | **\*** | 2698 | **\*** | 18068 | \* |
| FS | FS 65R87SS | 115 | 42.4 | \* | 13.9 | \* | 6.3 | \* | 9.4 |  | 25.7 |  | 47.4 |  | 62.4 | \* | 0.62 | **\*** | 65.3 | **\*** | 2803 | **\*** | 17519 | \* |
| Mid-Atlantic | MA5101VIP3330 | 110 | 43.5 | \* | 15.6 | \* | 7.0 | \* | 11.1 |  | 26.2 |  | 49.3 |  | 60.4 |  | 0.58 |  | 60.5 | **\*** | 2471 | **\*** | 17374 | \* |
| Seed Consultants | SC1170AM™ | 117 | 38.8 |  | 13.6 | \* | 6.1 | \* | 10.9 |  | 26.0 |  | 48.1 |  | 59.8 |  | 0.63 | **\*** | 65.3 | **\*** | 2827 | **\*** | 17266 | \* |
| Progeny Ag Products | PGY 2118VT2P | 118 | 44.4 | \* | 13.5 | \* | 6.1 | \* | 10.6 |  | 29.5 |  | 47.7 |  | 65.6 | \* | 0.62 | **\*** | 65.9 | **\*** | 2782 | **\*** | 16906 |  |
| FS | FS 62ZX1 RIB | 112 | 46.2 | \* | 14.1 | \* | 6.3 | \* | 10.1 |  | 26.6 |  | 47.3 |  | 63.0 | \* | 0.60 | **\*** | 63.8 | **\*** | 2673 | **\*** | 16745 |  |
| Redtail | RT 65T09-D1 | 115 | 40.2 |  | 12.9 | \* | 5.8 | \* | 9.7 |  | 25.8 |  | 49.0 |  | 62.3 | \* | 0.62 | **\*** | 65.0 | **\*** | 2779 | **\*** | 16712 |  |
| NK Brand | NK1748-3110 | 117 | 41.2 |  | 13.8 | \* | 6.2 | \* | 10.9 |  | 24.0 | \* | 48.7 |  | 60.1 |  | 0.60 | **\*** | 63.1 | **\*** | 2653 | **\*** | 16519 |  |
| Seed Consultants | SC1122Q™ | 112 | 41.1 |  | 13.4 | \* | 6.0 | \* | 11.3 | \* | 25.3 |  | 48.4 |  | 61.7 | \* | 0.61 | **\*** | 64.3 | **\*** | 2727 | **\*** | 16401 |  |
| Mid-Atlantic | MA5161DCVIPEZ | 116 | 42.7 | \* | 13.9 | \* | 6.2 | \* | 11.5 | \* | 25.8 |  | 49.0 |  | 58.3 |  | 0.59 | **\*** | 62.0 | **\*** | 2568 | **\*** | 16040 |  |
| Augusta | A4567 | 117 | 42.2 |  | 13.1 | \* | 5.9 | \* | 11.1 |  | 24.6 | \* | 48.0 |  | 60.0 |  | 0.61 | **\*** | 63.4 | **\*** | 2676 | **\*** | 15594 |  |
| Pioneer Brand | P0921AMXT | 109 | 41.9 |  | 13.5 | \* | 6.1 | \* | 11.5 | \* | 25.2 |  | 47.4 |  | 59.5 |  | 0.59 | **\*** | 61.6 | **\*** | 2543 | **\*** | 15504 |  |
| NK Brand | NK1661-3120A | 116 | 41.1 |  | 12.1 | \* | 5.5 | \* | 10.1 |  | 24.5 | \* | 46.4 | \* | 61.7 | \* | 0.62 | **\*** | 65.2 | **\*** | 2798 | **\*** | 15422 |  |
| Mid-Atlantic | MA5155GT3VIP | 115 | 39.1 |  | 13.0 | \* | 5.8 | \* | 11.5 | \* | 27.9 |  | 50.7 |  | 59.3 |  | 0.60 | **\*** | 62.5 | **\*** | 2614 | **\*** | 15351 |  |
| FS | FS 6595X RIB | 115 | 41.1 |  | 12.2 | \* | 5.5 | \* | 10.8 |  | 25.2 |  | 49.1 |  | 61.9 | \* | 0.62 | **\*** | 65.0 | **\*** | 2769 | **\*** | 15313 |  |
| Seed Consultants | SC1188AM™ | 118 | 40.4 |  | 13.0 | \* | 5.9 | \* | 12.1 | \* | 27.2 |  | 50.0 |  | 59.5 |  | 0.59 | **\*** | 62.0 | **\*** | 2566 | **\*** | 15270 |  |
| Augusta | A9967 | 117 | 42.7 | \* | 12.4 | \* | 5.6 | \* | 10.3 |  | 25.4 |  | 45.6 | \* | 63.4 | \* | 0.61 | **\*** | 64.1 | **\*** | 2707 | **\*** | 15265 |  |
| Seedway | SW6760 GENSSRIB | 112 | 40.6 |  | 12.9 | \* | 5.8 | \* | 11.2 | \* | 26.8 |  | 48.5 |  | 57.6 |  | 0.60 | **\*** | 62.1 | **\*** | 2598 | **\*** | 15063 |  |
| Augusta | A5663 | 113 | 43.1 | \* | 15.1 | \* | 6.8 | \* | 11.6 | \* | 22.6 | \* | 50.0 |  | 58.1 |  | 0.57 |  | 60.4 | **\*** | 2453 | **\*** | 14690 |  |
| Mid-Atlantic | MA8128VT2PRIB | 112 | 40.2 |  | 11.2 | \* | 5.0 | \* | 11.3 | \* | 26.9 |  | 48.4 |  | 61.8 | \* | 0.61 | **\*** | 64.1 | **\*** | 2707 | **\*** | 13586 |  |
| Mid-Atlantic | MA8158SSRIB | 115 | 40.0 |  | 11.3 | \* | 5.1 | \* | 11.3 | \* | 28.2 |  | 49.3 |  | 59.9 |  | 0.61 | **\*** | 63.9 | **\*** | 2694 | **\*** | 13447 |  |
| Mid-Atlantic | MA8141DGVT2PRIB | 114 | 37.8 |  | 10.6 |  | 4.8 |  | 11.1 |  | 26.1 |  | 48.5 |  | 61.5 | \* | 0.63 | **\*** | 65.5 | **\*** | 2828 | **\*** | 13393 |  |
| Augusta | A1367 | 117 | 41.8 |  | 12.4 | \* | 5.6 | \* | 12.3 | \* | 24.4 | \* | 49.2 |  | 59.0 |  | 0.59 | **\*** | 62.3 | **\*** | 2582 | **\*** | 13259 |  |
| NK Brand | NK1677-3110 | 116 | 39.7 |  | 10.7 |  | 4.8 |  | 11.3 | \* | 25.6 |  | 48.6 |  | 62.5 | \* | 0.61 | **\*** | 64.5 | **\*** | 2737 | **\*** | 13244 |  |
| Seed Consultants | SC1158AM™ | 115 | 40.7 |  | 10.6 |  | 4.8 |  | 10.8 |  | 25.7 |  | 48.7 |  | 62.8 | \* | 0.62 | **\*** | 64.9 | **\*** | 2766 | **\*** | 13237 |  |
| Mid-Atlantic | MA5144HDDCEZ | 114 | 40.9 |  | 11.0 | \* | 4.9 | \* | 10.5 |  | 27.8 |  | 47.5 |  | 57.4 |  | 0.61 | **\*** | 63.2 | **\*** | 2688 | **\*** | 12846 |  |
| Seedway | SW8100 GENSSRIB | 117 | 40.9 |  | 9.9 |  | 4.5 |  | 11.0 |  | 27.8 |  | 48.1 |  | 62.5 | \* | 0.61 | **\*** | 64.4 | **\*** | 2728 | **\*** | 12265 |  |
| Seed Consultants | SC1168AM™ | 116 | 40.9 |  | 10.1 |  | 4.6 |  | 11.2 | \* | 25.7 |  | 49.6 |  | 60.4 |  | 0.61 | **\*** | 63.6 | **\*** | 2676 | **\*** | 12240 |  |
| FS | FS 6406X RIB | 114 | 42.4 | \* | 10.0 |  | 4.5 |  | 10.8 |  | 25.6 |  | 47.9 |  | 59.1 |  | 0.60 | **\*** | 62.7 | **\*** | 2625 | **\*** | 11836 |  |
| Mid-Atlantic | MA5166GT3VIP | 116 | 37.7 |  | 9.4 |  | 4.2 |  | 11.4 | \* | 25.1 | \* | 48.8 |  | 56.7 |  | 0.61 | **\*** | 63.6 | **\*** | 2708 | **\*** | 11432 |  |
| FS | FS 64SX1 RIB | 114 | 40.3 |  | 9.4 |  | 4.2 |  | 11.1 |  | 25.9 |  | 48.6 |  | 61.2 | \* | 0.61 | **\*** | 63.5 | **\*** | 2689 | **\*** | 11332 |  |
| Redtail | RT 67T23 | 117 | 41.1 |  | 10.1 |  | 4.5 |  | 10.8 |  | 24.3 | \* | 48.8 |  | 56.1 |  | 0.60 | **\*** | 62.0 | **\*** | 2600 | **\*** | 10673 |  |
| Seed Consultants | SC1141AM™ | 114 | 37.8 |  | 8.1 |  | 3.7 |  | 9.7 |  | 24.2 | \* | 47.6 |  | 62.9 | \* | 0.64 | **\*** | 66.9 | **\*** | 2924 | **\*** | 10661 |  |
| Augusta | A6362 | 112 | 33.9 |  | 12.7 | \* | 5.7 | \* | . |  | . |  | . |  | . |  | . |  | . |  | . |  | . |  |
| Mid-Atlantic | MA5165HDGT3 | 116 | 40.4 |  | 10.8 |  | 4.8 |  | . |  | . |  | . |  | . |  | . |  | . |  | . |  | . |  |
| Mid-Atlantic | MA5103HDDCEZ | 110 | 40.5 |  | 10.7 |  | 4.8 |  | . |  | . |  | . |  | . |  | . |  | . |  | . |  | . |  |
|  | Site Average |  | 40.6 |  | 12.7 |  | 5.7 |  | 10.9 |  | 25.8 |  | 48.4 |  | 60.7 |  | 0.61 |  | 63.8 |  | 2696 |  | 15377 |  |
|  | LSD (0.10) |  | 3.9 |  | 6.8 |  | 2.4 |  | 1.1 |  | 2.4 |  | 1.7 |  | 4.8 |  | 0.06 |  | 7.7 |  | 486 |  | 3573 |  |
|  | C.V. |  | 6.6 |  | 25.0 |  | 25.0 |  | 7.5 |  | 6.9 |  | 2.6 |  | 5.9 |  | 3.44 |  | 3.5 |  | 6 |  | 26 |  |
| 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. | | | | | | | | | | | | | | | | | | | | | | | |  |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |
| . Denotes missing data | | | | | | | | | | | | | | | | | | | | | | | | |

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| Table 11. Two-year corn silage test results at the Shenandoah Valley location, Timberville, VA 2020 and 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **------------------------------%-----------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| Augusta | A1367 | 117 | 37.9 |  | 22.4 | \* | 8.3 | \* | 10.4 |  | 25.1 | \* | 46.3 | \* | 57.1 |  | 0.63 | \* | 65.0 | \* | 2830 | \* | 25478 | \* |
| Pioneer Brand | P1380Q | 113 | 38.3 |  | 23.6 | \* | 9.2 | \* | 10.6 |  | 26.1 | \* | 48.0 |  | 61.3 | \* | 0.61 |  | 64.0 | \* | 2711 |  | 24813 | \* |
| Mid-Atlantic | MA5165HDGT3 | 116 | 38.6 |  | 17.7 |  | 6.7 |  | 9.0 |  | 26.4 |  | 45.1 | \* | 59.9 | \* | 0.64 | \* | 66.2 | \* | 2904 | \* | 24785 | \* |
| NK Brand | NK1748-3110 | 117 | 38.9 |  | 19.4 | \* | 7.5 | \* | 9.7 |  | 25.0 | \* | 46.4 | \* | 58.6 |  | 0.62 | \* | 64.6 | \* | 2783 | \* | 21173 | \* |
| Mid-Atlantic | MA5161DCVIPEZ | 116 | 38.3 |  | 20.0 | \* | 7.5 | \* | 10.3 |  | 25.8 | \* | 47.0 |  | 58.0 |  | 0.62 | \* | 64.5 | \* | 2774 | \* | 20770 | \* |
| Seed Consultants | SC1170AM™ | 117 | 38.3 |  | 19.6 | \* | 7.3 | \* | 9.9 |  | 25.8 | \* | 46.3 | \* | 58.8 | \* | 0.62 | \* | 64.6 | \* | 2776 | \* | 20534 | \* |
| Mid-Atlantic | MA8141DGVT2PRIB | 114 | 37.9 |  | 19.5 | \* | 7.4 | \* | 10.1 |  | 25.8 | \* | 47.3 |  | 59.8 | \* | 0.62 | \* | 64.7 | \* | 2777 | \* | 20304 |  |
| Mid-Atlantic | MA5166GT3VIP | 116 | 37.0 |  | 20.1 | \* | 7.3 | \* | 10.0 |  | 25.6 | \* | 46.5 | \* | 55.9 |  | 0.62 | \* | 64.2 | \* | 2769 | \* | 20211 |  |
| NK Brand | NK1677-3110 | 116 | 37.4 |  | 17.8 |  | 6.8 |  | 10.1 |  | 26.0 | \* | 46.6 | \* | 59.9 | \* | 0.64 | \* | 65.9 | \* | 2871 | \* | 19972 |  |
| Seed Consultants | SC1158AM™ | 115 | 40.0 | \* | 19.0 | \* | 7.2 | \* | 10.1 |  | 25.9 | \* | 47.7 |  | 61.4 | \* | 0.61 |  | 64.2 | \* | 2719 |  | 19514 |  |
| Seed Consultants | SC1141AM™ | 114 | 38.1 |  | 19.6 | \* | 7.2 | \* | 9.3 |  | 24.9 | \* | 47.0 |  | 61.4 | \* | 0.62 | \* | 64.8 | \* | 2767 | \* | 18879 |  |
| Seed Consultants | SC1168AM™ | 116 | 39.5 |  | 17.9 |  | 6.8 |  | 10.4 |  | 25.6 | \* | 48.2 |  | 60.9 | \* | 0.61 |  | 64.0 | \* | 2707 |  | 18472 |  |
| Mid-Atlantic | MA8158SSRIB | 115 | 39.1 |  | 17.7 |  | 6.8 |  | 10.2 |  | 27.4 |  | 48.2 |  | 59.3 | \* | 0.61 |  | 64.1 | \* | 2730 | \* | 18327 |  |
| Seed Consultants | SC1188AM™ | 118 | 38.8 |  | 17.2 |  | 6.8 |  | 10.9 | \* | 26.6 |  | 48.4 |  | 59.8 | \* | 0.60 |  | 63.3 |  | 2664 |  | 18266 |  |
| Augusta | A5663 | 113 | 41.1 | \* | 18.6 |  | 7.2 |  | 9.8 |  | 24.8 | \* | 48.2 |  | 57.0 |  | 0.58 |  | 61.0 |  | 2505 |  | 17642 |  |
| Pioneer Brand | P0921AMXT | 109 | 41.9 | \* | 13.5 |  | 6.1 |  | 11.5 | \* | 25.2 | \* | 47.4 |  | 59.5 | \* | 0.59 |  | 61.6 |  | 2543 |  | 15504 |  |
|  | Site Average |  | 38.8 |  | 19.0 |  | 7.3 |  | 10.1 |  | 25.8 |  | 47.2 |  | 59.3 |  | 0.62 |  | 64.2 |  | 2739 |  | 20290 |  |
|  | LSD (0.10) |  | 2.2 |  | 4.8 |  | 1.9 |  | 0.7 |  | 1.5 |  | 1.7 |  | 2.7 |  | 0.03 |  | 2.4 |  | 184 |  | 5168 |  |
|  | C.V. |  | 5.2 |  | 24.6 |  | 24.6 |  | 7.0 |  | 3.7 |  | 4.8 |  | 5.0 |  | 4.29 |  | 3.5 |  | 6 |  | 24 |  |
| 1Days to maturity provided by company; differences in maturity rating methods may exist between companies. | | | | | | | | | | | | | | | | | | | | | | | | |
| \* Indicates numbers not significantly different from the highest (or lowest for ADF and NDF) value in that column, i.e. within one LSD of the top performer. | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |

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| Table 12. Corn silage test results at the Southwest Virginia AREC, Glade Spring, VA in 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **------------------------------%------------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| Pioneer Brand | P0921AMXT | 109 | 50.6 | \* | 37.8 | \* | 13.2 | \* | 8.7 | \* | 23.7 | \* | 47.0 | \* | 66.5 | \* | 0.55 | **\*** | 53.5 |  | 2095 | **\*** | 27643 | **\*** |
| NK Brand | NK1661-3120A | 116 | 44.3 |  | 35.3 | \* | 12.3 | \* | 7.8 |  | 27.4 | \* | 46.5 | \* | 57.9 |  | 0.52 |  | 50.6 |  | 1922 |  | 23702 | **\*** |
| Seed Consultants | SC1122Q™ | 112 | 44.5 |  | 35.5 | \* | 12.4 | \* | 7.8 |  | 28.5 | \* | 48.4 | \* | 60.5 |  | 0.52 |  | 50.1 |  | 1899 |  | 23631 | **\*** |
| Seed Consultants | SC1141AM™ | 114 | 40.4 |  | 32.3 | \* | 11.3 | \* | 8.4 | \* | 25.7 | \* | 45.1 | \* | 58.1 |  | 0.54 | \* | 52.1 |  | 2024 | **\*** | 22799 |  |
| Seedway | SW6760 GENSSRIB | 112 | 45.5 |  | 33.9 | \* | 11.9 | \* | 8.6 | \* | 27.3 | \* | 51.0 |  | 57.7 |  | 0.52 |  | 50.2 |  | 1905 |  | 22610 |  |
| Seed Consultants | SC1168AM™ | 116 | 45.8 |  | 35.1 | \* | 12.3 | \* | 7.5 |  | 30.1 |  | 50.4 |  | 59.2 |  | 0.50 |  | 48.7 |  | 1810 |  | 22316 |  |
| Progeny Ag Products | PGY 8116SS | 116 | 44.6 |  | 32.9 | \* | 11.5 | \* | 7.9 |  | 28.5 | \* | 47.9 | \* | 58.7 |  | 0.51 |  | 49.6 |  | 1867 |  | 21602 |  |
| FS | FS 6406X RIB | 114 | 42.3 |  | 34.0 | \* | 11.9 | \* | 7.5 |  | 29.7 |  | 53.0 |  | 58.3 |  | 0.50 |  | 48.2 |  | 1784 |  | 21233 |  |
| Seed Consultants | SC1170AM™ | 117 | 46.2 |  | 33.5 | \* | 11.7 | \* | 7.9 |  | 28.6 |  | 51.0 |  | 58.8 |  | 0.50 |  | 48.8 |  | 1799 |  | 21153 |  |
| FS | FS 64SX1 RIB | 114 | 48.5 | \* | 31.9 |  | 11.2 |  | 7.6 |  | 28.1 | \* | 50.3 |  | 59.8 |  | 0.52 |  | 50.1 |  | 1892 |  | 21058 |  |
| Seedway | SW GXX7902 GENSSRIB | 115 | 43.5 |  | 30.9 |  | 10.8 |  | 8.0 |  | 26.4 | \* | 46.9 | \* | 58.8 |  | 0.52 |  | 50.9 |  | 1940 |  | 20972 |  |
| Pioneer Brand | P1380Q | 113 | 43.3 |  | 32.9 | \* | 11.5 | \* | 7.6 |  | 29.7 |  | 48.5 | \* | 57.8 |  | 0.51 |  | 49.1 |  | 1827 |  | 20966 |  |
| Seedway | SW8100 GENSSRIB | 117 | 46.9 | \* | 32.5 | \* | 11.4 | \* | 7.6 |  | 29.2 |  | 46.7 | \* | 59.9 |  | 0.51 |  | 49.0 |  | 1822 |  | 20792 |  |
| FS | FS 6818X RIB | 118 | 45.0 |  | 32.4 | \* | 11.3 | \* | 7.8 |  | 29.4 |  | 50.6 |  | 58.8 |  | 0.51 |  | 48.9 |  | 1825 |  | 20762 |  |
| Seed Consultants | SC1188AM™ | 118 | 45.8 |  | 31.8 |  | 11.1 |  | 8.4 | \* | 27.7 | \* | 47.1 | \* | 60.0 |  | 0.51 |  | 49.1 |  | 1823 |  | 20422 |  |
| Augusta | A9967 | 117 | 44.4 |  | 30.4 |  | 10.7 |  | 8.1 | \* | 28.1 | \* | 47.3 | \* | 60.7 |  | 0.52 |  | 50.3 |  | 1901 |  | 20202 |  |
| NK Brand | NK1677-3110 | 116 | 44.0 |  | 31.4 |  | 11.0 |  | 7.6 |  | 29.5 |  | 49.1 | \* | 60.9 |  | 0.50 |  | 48.7 |  | 1807 |  | 19615 |  |
| FS | FS 6595X RIB | 115 | 43.1 |  | 32.6 | \* | 11.4 | \* | 7.7 |  | 31.2 |  | 50.5 |  | 60.0 |  | 0.50 |  | 47.9 |  | 1757 |  | 19546 |  |
| FS | FS 65R87SS | 115 | 40.8 |  | 31.1 |  | 10.9 |  | 7.9 |  | 31.6 |  | 53.4 |  | 58.4 |  | 0.51 |  | 48.4 |  | 1824 |  | 19468 |  |
| Seed Consultants | SC1112AM™ | 111 | 38.7 |  | 28.5 |  | 10.0 |  | 8.1 | \* | 30.9 |  | 47.7 | \* | 60.8 |  | 0.52 |  | 50.0 |  | 1925 |  | 19250 |  |
| FS | FS 62ZX1 RIB | 112 | 46.7 | \* | 28.8 |  | 10.1 |  | 8.2 | \* | 28.6 |  | 51.7 |  | 57.2 |  | 0.51 |  | 49.7 |  | 1873 |  | 18968 |  |
| Progeny Ag Products | PGY 2118VT2P | 118 | 48.1 | \* | 29.7 |  | 10.4 |  | 8.5 | \* | 27.9 | \* | 50.2 |  | 57.6 |  | 0.50 |  | 48.8 |  | 1815 |  | 18849 |  |
| Partners Brand | PB 11702 | 117 | 42.8 |  | 26.8 |  | 9.4 |  | 8.8 | \* | 28.6 |  | 49.7 | \* | 58.5 |  | 0.51 |  | 49.5 |  | 1865 |  | 17570 |  |
| Seedway | SW6540 VT2PRIB | 107 | 43.8 |  | 25.3 |  | 8.9 |  | 7.5 |  | 28.3 | \* | 50.0 | \* | 58.5 |  | 0.53 |  | 51.1 |  | 1964 | **\*** | 17381 |  |
| NK Brand | NK1748-3110 | 117 | 44.7 |  | 27.1 |  | 9.5 |  | 8.0 |  | 28.7 |  | 51.1 |  | 58.1 |  | 0.50 |  | 48.5 |  | 1797 |  | 17121 |  |
| Partners Brand | PB 8600 | 116 | 40.8 |  | 26.2 |  | 9.2 |  | 8.4 | \* | 29.3 |  | 49.4 | \* | 59.2 |  | 0.50 |  | 48.3 |  | 1793 |  | 16475 |  |
| Seed Consultants | SC1158AM™ | 115 | 45.4 |  | 25.4 |  | 8.9 |  | 7.9 |  | 27.4 | \* | 48.8 | \* | 62.1 | \* | 0.50 |  | 49.1 |  | 1812 |  | 16085 |  |
| Partners Brand | PB 8580 | 115 | 44.3 |  | 25.9 |  | 9.1 |  | 7.9 |  | 30.0 |  | 50.7 |  | 60.5 |  | 0.50 |  | 48.1 |  | 1772 |  | 16060 |  |
|  | Site Average |  | 44.5 |  | 31.1 |  | 10.9 |  | 8.0 |  | 28.6 |  | 49.3 |  | 59.4 |  | 0.51 |  | 49.5 |  | 1862 |  | 20295 |  |
|  | LSD (0.10) |  | 4.1 |  | 5.5 |  | 1.9 |  | 0.7 |  | 3.4 |  | 5.1 |  | 3.6 |  | 0.02 |  | 2.4 |  | 146 |  | 4099 |  |
|  | C.V. |  | 7.6 |  | 14.3 |  | 14.3 |  | 7.4 |  | 9.7 |  | 4.9 |  | 4.9 |  | 3.59 |  | 3.9 |  | 6 |  | 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. | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 13. Two-year corn silage test results at the Southwest Virginia AREC, Glade Spring, VA 2020 and 2021. | | | | | | | | | | | | | | | | | | | | | | | | |
| **Brand** | **Hybrid** | **DTM1** | **DM at Harvest** | | **Yield at 35% DM** | | **DM Yield** | | **Crude Protein** | | **ADF** | | **NDF** | | **NDF Digest.** | | **NEL** | | **TDN** | | **Milk2006** | | **Milk2006** | |
|  |  | **Days** | **%** | | **ton/acre** | | **ton/acre** | | **------------------------------%------------------------------** | | | | | | | | **Mcal/lb** | | **%** | | **lb milk/ton** | | **lb milk/acre** | |
| Seed Consultants | SC1141AM™ | 114 | 38.5 |  | 33.3 | \* | 11.7 |  | 8.5 | \* | 26.3 | \* | 45.4 | \* | 61.9 | \* | 0.61 | **\*** | 62.4 | **\*** | 2646 | **\*** | 30904 | \* |
| Seed Consultants | SC1158AM™ | 115 | 43.8 | \* | 35.0 | \* | 12.3 |  | 8.0 |  | 27.0 | \* | 47.3 | \* | 62.2 | \* | 0.55 |  | 56.1 |  | 2209 |  | 28130 | **\*** |
| Seed Consultants | SC1168AM™ | 116 | 43.1 | \* | 35.9 | \* | 12.6 |  | 7.9 |  | 28.7 |  | 49.1 |  | 60.9 | \* | 0.55 |  | 55.7 |  | 2212 |  | 27933 | **\*** |
| Seed Consultants | SC1170AM™ | 117 | 41.9 | \* | 32.8 | \* | 11.5 |  | 7.9 |  | 28.2 |  | 49.7 |  | 62.0 | \* | 0.57 |  | 58.6 | **\*** | 2378 | **\*** | 26996 | \* |
| Augusta | A9967 | 117 | 45.3 | \* | 33.8 | \* | 11.8 | \* | 8.1 | \* | 27.2 | \* | 45.7 | \* | 61.5 | \* | 0.55 |  | 55.8 |  | 2213 |  | 26447 |  |
| Pioneer Brand | P1380Q | 113 | 40.7 |  | 32.0 | \* | 11.2 |  | 8.0 |  | 28.7 |  | 47.9 |  | 61.2 | \* | 0.57 |  | 57.3 |  | 2330 | **\*** | 25880 |  |
| Seed Consultants | SC1188AM™ | 118 | 42.7 | \* | 33.0 | \* | 11.6 |  | 8.3 | \* | 27.2 | \* | 47.2 | \* | 60.3 | \* | 0.55 |  | 55.8 |  | 2227 |  | 25862 |  |
|  | Site Average |  | 42.3 |  | 33.7 |  | 11.8 |  | 8.1 |  | 27.6 |  | 47.5 |  | 61.4 |  | 0.56 |  | 57.4 |  | 2317 |  | 27450 |  |
|  | LSD (0.10) |  | 4.0 |  | 6.1 |  | 2.1 |  | 0.4 |  | 2.4 |  | 3.5 |  | 2.9 |  | 0.03 |  | 2.7 |  | 186 |  | 4106 |  |
|  | C.V. |  | 10.3 |  | 19.5 |  | 19.5 |  | 5.8 |  | 9.2 |  | 8.1 |  | 5.1 |  | 5.23 |  | 5.2 |  | 9 |  | 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. | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Hybrids are listed in descending order of lb milk/acre. | | | | | | | | | | | | | | | | | | | | | | | | |

## Figure 1. Average relative yield versus quality across sites, 2021

Figure 2. High-yielding and high-quality hybrids in at least 3 site/year combinations in 2021

|  |  |  |
| --- | --- | --- |
| 1 | Seed Consultants | SC1112AM™ |
| 2 | Seed Consultants | SC1122Q™ |
| 3 | NK Brand | NK1661-3120A |
| 4 | FS | FS 65R87SS |
| 5 | Pioneer Brand | P1415Q |
| 6 | Progeny Ag Products | PGY 8116SS |
| 7 | NK Brand | NK1748-3110 |
| 8 | Pioneer Brand | P0921AMXT |
| 9 | FS | FS 62ZX1 RIB |
| 10 | Augusta | A1367 |
| 11 | Pioneer Brand | P1380Q |

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