



## Virginia Corn Hybrid and Management Trials in 2021

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### Companies Participating in the 2021 Corn Hybrid Trials

| Company                | Brand               | Address   |
|------------------------|---------------------|---|
| AgReliant Genetics     | LG Seeds            | 1122 E 169th Street, Westfield, IN 46074                |
| Augusta Seed           | Augusta Seed        | PO Box 899, Verona, VA 24482                            |
| Bayer                  | DEKALB, Hubner      | 800 N Lindbergh Blvd., St Louis, MO 63167               |
| Corteva Agriscience    | 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                  |
| Mid-Atlantic Seeds     | Mid-Atlantic        | 204 St. Charles Way #163E, York, PA 17402               |
| Nutrien Ag Solutions   | Dyna-Gro            | 396 Washington Street, Boydton, VA 23917                |
| Seed Consultants, Inc. | Seed Consultants    | 648 Miami Trace Rd, Washington Court House, OH 43160    |
| SeedKoz                | MorCorn             | 1725 Windward Concourse Suite 410, Alpharetta, GA 30005 |
| Syngenta Seeds         | NK Brand            | 4013 Fairmount Pike, Signal Mountain, TN 37377          |

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# Introduction

## Background Information

Performance trials of commercial corn hybrids were conducted at six locations in Virginia in 2021. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All locations were planted with a Wintersteiger PlotKing 2600. All locations were harvested with a Massey-Ferguson 8XP plot combine. Yields have been adjusted to 15.5% moisture. Grain test weight, moisture, and plot grain weights were measured with a GrainGauge® manufactured by HarvestMaster. A list of companies participating in the trials is provided before the table of contents. All hybrids entered in the Virginia trials are those submitted 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 Hybrid and Management Trials.

## Yield Differences

Experimental plots vary in yield and other measurements due to location in the field and other factors which cannot be controlled. Statistics given in the tables are intended to help the reader make valid comparisons between hybrids. The magnitude of differences which may have been due to uncontrollable variation has been computed for the data and listed at the bottom of columns as the LSD (.05) (least significant difference with 95% confidence). Differences less than the LSD are assumed not to be real differences with 95% confidence.

## Understanding Relative Yield

Companies entering hybrids decide which hybrids are planted at which locations. 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% of above the average yield for all hybrids at that site.

## Choice of Hybrids

When making hybrid selections it is important to realize that hybrids differ in their performance in different environments. Some hybrids are more adapted to a wide range of environments. Hybrid performance may vary with year and location variations in 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 across locations when making hybrid selections. Multi-year averages give even greater confidence to hybrid performance decisions. The 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.

## 2021 Virginia Corn Hybrid Plot Information (Rates are on a per acre basis.)

### Blacksburg Kentland Farm

**Planted:** April 29, 2021 no-till  
**Harvested:** October 18, 2021  
**Population:** 29,000 plants/acre  
**Pesticide:** 2 qt glyphosate; 1 pt atrazine 4L + 3 qt Acuron®; 5 lb Force® 3G at planting  
**Fertilizer:** 40-100-60; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 160 lb N as UAN side-dressed  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Hayter loam  
**Cooperator:** Brooks Saville

### Blackstone Southern Piedmont Agricultural Research & Extension Center

**Planted:** April 9, 2021 conventional tillage  
**Harvested:** September 8, 2021  
**Population:** 25,500 plants/acre  
**Pesticide:** 1 pt Brawl II ATZ™ + 1 qt atrazine  
**Fertilizer:** 1000 lb 10-10-10 preplant incorporated April 5, 2021; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 80 lb N top-dressed using UAN May 18, 2021  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Appling sandy loam  
**Cooperator:** Ned Jones

### Holland Tidewater Agricultural Research & Extension Center

**Planted:** April 7, 2021 no-till  
**Harvested:** September 17, 2021  
**Population:** 28,000 plants/acre  
**Pesticide:** 1 qt glyphosate + 1 pt 2,4-D + 1 qt Liberty March 28, 2020; 4 pt Bicep® + 2 pt Simazine  
**Fertilizer:** 426 lb 14-9-18; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 60 gal 24-0-0-3 side-dressed  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Emporia, Nansemond  
**Cooperator:** Karl Jones

### Mt Holly (dryland) Virginia Crop Improvement Association Foundation Seed Farm

**Planted:** April 13, 2021 no-till into soybean stubble  
**Harvested:** September 20, 2021  
**Population:** 25,300 plants/acre  
**Pesticide:** 1.5 qt Acuron® + 1.5 qt Princep® preplant; 5 lb Force® 3G at planting; 1.5 qt Acuron® + 4 oz dicamba post-plant  
**Fertilizer:** 60-40-60 pre-plant incorporated; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 60 lb N 1<sup>st</sup> sidedress; 90 lb N 2<sup>nd</sup> sidedress  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Nansemond, Lumbee, State  
**Cooperator:** Phillip Browning

### Mt Holly (irrigated) Virginia Crop Improvement Association Foundation Seed Farm

**Planted:** April 13, 2021 no-till into soybean stubble  
**Harvested:** September 20, 2021  
**Population:** 32,000 plants/acre  
**Pesticide:** 1.5 qt Acuron® + 1.5 qt Princep® preplant; 5 lb Force® 3G at planting; 1.5 qt Acuron® + 4 oz dicamba post-plant  
**Fertilizer:** 60-40-60 pre-plant incorporated; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 60 lb N 1<sup>st</sup> sidedress; 90 lb N 2<sup>nd</sup> sidedress  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** State fine sandy loam  
**Previous crop:** Soybeans  
**Cooperator:** Phillip Browning

### Orange Northern Piedmont Center

**Planted:** April 13, 2021 no-till into soybean stubble  
**Harvested:** September 14, 2021  
**Pesticide:** 1 pt atrazine + 1.5 qt Lumax 5 lb Force® 3G at planting  
**Irrigation:** 1 inch May 21; 1 inch May 27  
**Fertilizer:** 30-30-30; 70 lb N June 15, 2020

**Population:** 27,000 plants/acre  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Davidson clay  
**Previous crop:** Soybeans  
**Cooperators:** Greg Lillard

**Shenandoah Valley (Thanks to Jason Stuth)**

**Planted:** April 28, 2021  
**Harvested:** October 22, 2020  
**Population:** 28,300 plants/acre  
**Pesticide:** Glyphosate at 1 qt/ac + dicamba (Vision) at 10 oz/ac + atrazine at 1 qt/ac + Princep at 1 qt/ac  
5 lb Force® 3G at planting;  
**Fertilizer:** 100-75-150-20S; 17 gal 20-10-0-2S-.13B-.25Zn at planting; 75 lb N topdressed  
**Plot Size:** 2 rows 25' x 30" 4 replications  
**Soil Type:** Frederick and Lodi silt loam  
**Previous crop:** Soybeans  
**Cooperators:** Doug Horn and Jason Stuth

Table 1. List of hybrids in the 2021 Virginia Corn Hybrid & Management Trials

| <u>BRAND</u>    | <u>HYBRID</u> | <u>DTM</u> <sup>1</sup> | <u>Seed Treatment</u>                     | <u>GENETICS</u>              |
|-----------------|---------------|-------------------------|---|------------------------------|
| <b>Augusta</b>  | A4463         | 113                     | CruiserMaxx® 1250                         | VT Double PRO®               |
| <b>Augusta</b>  | A1259         | 109                     | CruiserMaxx® 250                          | Agrisure Duracade® 5222 E-Z  |
| <b>Augusta</b>  | A1961         | 111                     | CruiserMaxx® 250                          | Trecepta®                    |
| <b>Augusta</b>  | A3663         | 113                     | CruiserMaxx® 250                          | DroughtGard® VT Double PRO®  |
| <b>Augusta</b>  | A2362         | 112                     | CruiserMaxx® 250                          | VT Double PRO®               |
| <b>DEKALB</b>   | DKC67-44RIB   | 117                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC70-27RIB   | 120                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC65-95RIB   | 115                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC68-69RIB   | 118                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC59-82RIB   | 109                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC61-41RIB   | 111                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC62-70RIB   | 112                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC62-89RIB   | 112                     | Acceleron® 500 Elite                      | Trecepta® RIB Complete®      |
| <b>DEKALB</b>   | DKC64-65RIB   | 114                     | Acceleron® 500 Elite                      | VT Double PRO® RIB Complete® |
| <b>DEKALB</b>   | DKC65-84RIB   | 115                     | Acceleron® 500 Elite                      | SmartStax® RIB Complete®     |
| <b>DEKALB</b>   | DKC67-94RIB   | 117                     | Acceleron® 500 Elite                      | Trecepta® RIB Complete®      |
| <b>DEKALB</b>   | DKC68-48RIB   | 118                     | Acceleron® 500 Elite                      | SmartStax® RIB Complete®     |
| <b>Dyna-Gro</b> | D58VC65       | 118                     | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO®               |
| <b>Dyna-Gro</b> | D52VC63       | 111                     | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO®               |
| <b>Dyna-Gro</b> | D54VC14       | 114                     | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO®               |
| <b>Dyna-Gro</b> | D54VC34       | 114                     | Acceleron® 500/Poncho® 500/VOTiVO®500 EDC | VT Double PRO®               |
| <b>FS</b>       | FS 6194V RIB  | 111                     |   | VT Double PRO® RIB Complete® |
| <b>FS</b>       | FS 62ZV1 RIB  | 112                     |   | VT Double PRO® RIB Complete® |
| <b>FS</b>       | FS 6306T RIB  | 113                     |   | Trecepta® RIB Complete®      |
| <b>FS</b>       | FS 6595V RIB  | 115                     |   | VT Double PRO® RIB Complete® |
| <b>FS</b>       | FS 65R87VT2P  | 115                     |   | VT Double PRO® RIB Complete® |
| <b>FS</b>       | FS 66ZV1 RIB  | 116                     |   | VT Double PRO® RIB Complete® |
| <b>FS</b>       | FS 6606T RIB  | 116                     |   | Trecepta® RIB Complete®      |
| <b>FS</b>       | FS 62ZX1 RIB  | 112                     |   | SmartStax® RIB Complete®     |
| <b>FS</b>       | FS 6406X RIB  | 114                     |   | SmartStax® RIB Complete®     |
| <b>FS</b>       | FS 6595X RIB  | 115                     |   | SmartStax® RIB Complete®     |

|                      |                 |     |                      |   |
|----------------------|-----------------|-----|----------------------|---|
| <b>FS</b>            | FS 65R87SS      | 115 |                      | SmartStax® RIB Complete®                  |
| <b>Hubner Seed</b>   | H4890RC2P       | 117 | Acceleron® Basic     | VT Double PRO® RIB Complete®              |
| <b>Hubner Seed</b>   | H4563RC2P       | 111 | Acceleron® Basic     | VT Double PRO® RIB Complete®              |
| <b>Hubner Seed</b>   | H4763RC2P       | 115 | Acceleron® Basic     | VT Double PRO® RIB Complete®              |
| <b>Hubner Seed</b>   | H09G056         | 109 | Acceleron® Basic     | DroughtGard® VT Double PRO® RIB Complete® |
| <b>Hubner Seed</b>   | H4828RC2P       | 116 | Acceleron® Basic     | VT Double PRO® RIB Complete®              |
| <b>Hubner Seed</b>   | H4390RC2P       | 108 | Acceleron® Basic     | VT Double PRO® RIB Complete®              |
| <b>Hubner Seed</b>   | H13G513         | 113 | Acceleron® Basic     | DroughtGard® VT Double PRO® RIB Complete® |
| <b>LG Seeds</b>      | LG5643VT2PRO    | 114 | Poncho® 500/VOTiVO®  | VT Double PRO®                            |
| <b>LG Seeds</b>      | LG66C44VT2PRO   | 116 | Poncho® 500/VOTiVO®  | VT Double PRO®                            |
| <b>Mid-Atlantic</b>  | MA8128VT2PRIB   | 112 | Acceleron® 250       | VT Double PRO® RIB Complete®              |
| <b>Mid-Atlantic</b>  | MA8141DGVT2PRIB | 114 | Acceleron® 250       | DroughtGard® VT Double PRO® RIB Complete® |
| <b>Mid-Atlantic</b>  | MA8106VT2PRIB   | 110 | Acceleron® 250       | VT Double PRO® RIB Complete®              |
| <b>Mid-Atlantic</b>  | MA5155GT3VIP    | 115 | CruiserMaxx® 250     | Agrisure Viptera® 3111                    |
| <b>Mid-Atlantic</b>  | MA8158SSRIB     | 115 | Acceleron® 250       | SmartStax® RIB Complete®                  |
| <b>Mid-Atlantic</b>  | MA5161DCVIPEZ   | 116 | CruiserMaxx® 250     | Agrisure Duracade® 5222 E-Z Refuge        |
| <b>Mid-Atlantic</b>  | MA5083DCEZ      | 108 | CruiserMaxx® 250     | Agrisure Duracade® 5122 E-Z Refuge        |
| <b>Mid-Atlantic</b>  | MA8110TREC      | 111 | Acceleron® 250       | Trecepta®                                 |
| <b>MorCorn</b>       | MC 4319         | 113 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>MorCorn</b>       | MC 4725         | 117 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>MorCorn</b>       | MC 4255         | 112 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>MorCorn</b>       | MC 3952         | 109 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>MorCorn</b>       | MC 4670         | 116 | Poncho® 1250/VOTiVO® | Trecepta®                                 |
| <b>MorCorn</b>       | MC 4161         | 111 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>MorCorn</b>       | MC 4311         | 113 | Poncho® 1250/VOTiVO® | Trecepta®                                 |
| <b>NK Brand</b>      | NK1082-5222     | 110 | CruiserMaxx® 250     | Agrisure Duracade® 5222 E-Z Refuge        |
| <b>NK Brand</b>      | NK1677-3110     | 116 | CruiserMaxx® 250     | Agrisure Viptera® 3110                    |
| <b>NK Brand</b>      | NK1748-3110     | 117 | CruiserMaxx® 250     | Agrisure Viptera® 3110                    |
| <b>Pioneer Brand</b> | P1185AM         | 111 | Poncho® 1250/VOTiVO® | AcreMax®                                  |
| <b>Pioneer Brand</b> | P1506AM         | 115 | Poncho® 1250/VOTiVO® | AcreMax® Leptra™                          |
| <b>Progeny</b>       | PGY 8116SS      | 116 | Poncho® 1250/VOTiVO® | SmartStax®                                |
| <b>Progeny</b>       | PGY 9114VT2P    | 114 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>Progeny</b>       | PGY 2012VT2P    | 112 | Poncho® 1250/VOTiVO® | VT Double PRO®                            |
| <b>Progeny</b>       | PGY 2025DGV2P   | 115 | Poncho® 1250/VOTiVO® | DroughtGard® VT Double PRO®               |

|                         |                  |     |                      |                |
|-------------------------|------------------|-----|----------------------|----------------|
| <b>Progeny</b>          | PGY 2015VT2P     | 115 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Progeny</b>          | PGY EXP 1912VT2P | 112 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Progeny</b>          | PGY EXP 2010TRE  | 110 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Progeny</b>          | PGY 8116VT2P     | 116 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Progeny</b>          | PGY EXP 112VT2P  | 112 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Progeny</b>          | PGY EXP 115TRE   | 115 | Poncho® 1250/VOTiVO® | Trecepta®      |
| <b>Progeny</b>          | PGY 2008VT2P     | 108 | Poncho® 1250/VOTiVO® | VT Double PRO® |
| <b>Seed Consultants</b> | SC1158AM™        | 115 | Poncho® 500/VOTiVO®  | AcreMax®       |
| <b>Seed Consultants</b> | SC1168AM™        | 116 | Poncho® 500/VOTiVO®  | AcreMax®       |
| <b>Seed Consultants</b> | SC1188AM™        | 118 | Poncho® 500/VOTiVO®  | AcreMax®       |
| <b>Seed Consultants</b> | SC1170AM™        | 117 | Poncho® 1250/VOTiVO® | AcreMax®       |
| <b>Seed Consultants</b> | SC1112AM™        | 111 | Poncho® 500/VOTiVO®  | AcreMax®       |
| <b>Seed Consultants</b> | SC1122Q™         | 112 | Poncho® 1250/VOTiVO® | QROME®         |

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



The Handy Bt Trait Table for U.S. corn production, updated 2021 (thanks to Chris DiFonzo, Michigan State University, difonzo@msu.edu)

|  | Bt protein(s)<br>(or other trait)<br>in package       | Marketed for control of: |             |             |             |        |             |                  |             |             |        |        | Resistance confirmed<br>to the combination of<br>Bts in package<br>(check local situation) | Herbicide<br>trait |                            |   | Non-Bt<br>Refuge %<br>(cornbelt) |   |   |
|--|---|--------------------------|-------------|-------------|-------------|--------|-------------|------------------|-------------|-------------|--------|--------|--|--------------------|----------------------------|---|----------------------------------|---|---|
|  |   | B<br>C<br>W              | C<br>E<br>W | E<br>C<br>B | F<br>A<br>W | S<br>B | S<br>C<br>B | S<br>W<br>C<br>B | T<br>A<br>W | W<br>B<br>C | C<br>R | G<br>R |  | L<br>L             | E                          |   |                                  |   |   |
| AcreMax (AM)   | Cry1Ab Cry1F  | x                        | 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           |             |        |        |  | x                  | ECB FAW SWB WBC<br>NCR WCR | x | x                                |   | 10% in bag<br>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<br>mCry3A                                | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW FAW WBC WCR            | x | x                                |   | 10% in bag                                |
| AcreMax Xtra (AMX)   | Cry1Ab Cry1F<br>Cry34/35Ab1                           | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW FAW WBC<br>NCR WCR     | x | x                                |   | 10% in bag                                |
| AcreMax Xtreme (AMXT)  | Cry1Ab Cry1F<br>mCry3A Cry34/35Ab1                    | x                        | 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      |        |  | x                  | WCR                        | x | x                                |   | 20%                                       |
| Agrisure 3120 E-Z Refuge (BZ)  | Cry1Ab Cry1F  | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  |                    | CEW FAW WBC                | x |                                  |   | 5% in bag                                 |
| Agrisure 3122 E-Z Refuge   | Cry1Ab Cry1F<br>mCry3A Cry34/35Ab1                    | x                        | 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<br>Cry1A.105/Cry2Ab2                     | x                        | x           | x           | x           | x      | x           | x                | x           | x           |        |        |  |                    |                            | x |                                  |   | 5% in bag                                 |
| Agrisure Duracade 5122 E-Z (D1)  | Cry1Ab Cry1F<br>mCry3A eCry3.1Ab                      | x                        | 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<br>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<br>Cry1Ab Vip3A<br>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                | 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           |             |        |        |  | x                  | ECB FAW SWB WBC<br>NCR WCR | x | x                                |   | 20%                                       |
| Intrasect (YHR)  | Cry1Ab Cry1F  | x                        | 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           |             |        |        |  | x                  | CEW FAW WBC WCR            | x | x                                |   | 20%                                       |
| Intrasect Xtra (YXR)   | Cry1Ab Cry1F<br>Cry34/35Ab1                           | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW FAW WBC<br>NCR WCR     | x | x                                |   | 20%                                       |
| Intrasect Xtreme (CYXR)  | Cry1Ab Cry1F<br>mCry3A Cry34/35Ab1                    | x                        | 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 <sup>a</sup> (PW)<br>PW Refuge Advanced <sup>b</sup> (PWRA)  | Cry1A.105/Cry2Ab2<br>Cry1F                            | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  |                    | CEW WBC                    | x | x                                |   | <sup>a</sup> 5%<br><sup>b</sup> 5% in bag |
| Powercore Enlist (PWE)   | Same as Powercore                                     | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  |                    | CEW WBC                    | x | x                                | x | 5% in bag                                 |
| QROME (Q)  | Cry1Ab Cry1F<br>mCry3A Cry34/35Ab1                    | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW FAW WBC WCR            | x | x                                |   | 5% in bag                                 |
| SmartStax <sup>a</sup> (SX,STX or SS)<br>STX Refuge Advanced <sup>b</sup> (SXRA)<br>STX RIB Complete <sup>b</sup> (STXRIB) | Cry1A.105/Cry2Ab2<br>Cry1F Cry3Bb1<br>Cry34/35Ab1     | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW WBC<br>NCR WCR         | x | x                                |   | <sup>a</sup> 5%<br><sup>b</sup> 5% in bag |
| SmartStax Enlist (SXE)   | Same as SmartStax                                     | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | Same as SmartStax          | x | x                                | x | 5% in bag                                 |
| SmartStax Pro<br>*2022 commercialization date  | Same as SmartStax<br>+ DvSnf7 dsRNA                   | x                        | x           | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | CEW WBC                    | x | x                                |   | 5% in bag                                 |
| Trecepta <sup>a</sup> (TRE)<br>Trecepta RIB Complete <sup>b</sup> (TRERIB)   | Cry1A.105/Cry2Ab2<br>Vip3A                            | x                        | x           | x           | x           | x      | x           | x                | x           | x           |        |        |  |                    |                            | x |                                  |   | <sup>a</sup> 5%<br><sup>b</sup> 5% in bag |
| TRISect (CHR)  | Cry1F mCry3A  | x                        |             | x           | x           | x      | x           | x                | x           |             |        |        |  | x                  | ECB FAW SWB WBC<br>WCR     | x | x                                |   | 20%                                       |

See bag tag. E20=no E21=yes

|  |                              |  |   |   |   |   |   |   |   |  |   |  |                |   |  |  |   |
|--|------------------------------|--|---|---|---|---|---|---|---|--|---|--|----------------|---|--|--|---|
| VT DoublePRO <sup>a</sup> (VT2P)<br>VT2P RIB Complete <sup>b</sup> (VT2PRIB) | Cry1A.105/Cry2Ab2            |  | x | x | x | x | x | x |   |  |   |  | CEW            | x |  |  | <sup>a</sup> 5%<br><sup>b</sup> 5% in bag   |
| VT TriplePRO <sup>c</sup> (VT3P)<br>VT3P RIB Complete <sup>d</sup> (VT3PRIB) | Cry1A.105/Cry2Ab2<br>Cry3Bb1 |  | x | x | x | x | x | x |   |  | x |  | CEW<br>NCR WCR | x |  |  | <sup>c</sup> 20%<br><sup>d</sup> 10% 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 <sup>a</sup> (VT2P)<br>VT2P RIB Complete <sup>b</sup> (VT2PRIB) | Cry1A.105/Cry2Ab2            |  | x | x | x | x | x | x |   |  |   |  | CEW            | x |  |  | <sup>a</sup> 5%<br><sup>b</sup> 5% in bag   |
| VT TriplePRO <sup>c</sup> (VT3P)<br>VT3P RIB Complete <sup>d</sup> (VT3PRIB) | Cry1A.105/Cry2Ab2<br>Cry3Bb1 |  | x | x | x | x | x | x |   |  | x |  | CEW<br>NCR WCR | x |  |  | <sup>c</sup> 20%<br><sup>d</sup> 10% 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

Table 2. 2021 Relative yield of corn hybrids - Virginia Tech Trials.

| Brand/Company                         | Hybrid          | DTM<br>per<br>Co. <sup>1</sup> | Blacksburg | Blackstone | Holland | Mt Holly<br>Irrigated | Mt Holly<br>Non-<br>Irrigated | Orange | Shenandoah | Mean |
|---------------------------------------|-----------------|--------------------------------|------------|------------|---------|-----------------------|-------------------------------|--------|------------|------|
| <b>108-111 Days Relative Maturity</b> |                 |                                |            |            |         |                       |                               |        |            |      |
| Mid-Atlantic                          | MA8110TREC      | 111                            |            |            |         |                       |                               |        | 116        | 116  |
| Seed Consultants                      | SC1112AM™       | 111                            | 102        | 88         | 116     | 111                   | 107                           | 118    | 119        | 109  |
| Hubner Seed                           | H09G056         | 109                            | 110        | 121        | 91      | 109                   | 112                           | 107    | 108        | 108  |
| Progeny                               | PGY EXP 2010TRE | 110                            | 111        | 93         | 97      | 105                   | 98                            | 113    | 102        | 102  |
| Hubner Seed                           | H4563RC2P       | 111                            | 101        | 107        | 92      | 100                   | 102                           | 102    | 104        | 101  |
| Augusta                               | A1259           | 109                            |            | 99         |         | 100                   | 102                           |        | 100        | 100  |
| Mid-Atlantic                          | MA5083DCEZ      | 108                            |            |            |         |                       |                               |        | 100        | 100  |
| DEKALB                                | DKC59-82RIB     | 109                            | 100        | 96         | 88      | 105                   | 88                            | 106    | 110        | 99   |
| Augusta                               | A1961           | 111                            |            |            |         | 104                   | 91                            |        | 100        | 99   |
| MorCorn                               | MC 4161         | 111                            |            | 101        | 95      | 99                    | 97                            |        |            | 98   |
| DEKALB                                | DKC61-41RIB     | 111                            | 100        | 85         | 91      | 105                   | 103                           | 104    | 96         | 98   |
| MorCorn                               | MC 3952         | 109                            |            | 109        | 96      | 94                    | 91                            |        |            | 98   |
| Dyna-Gro                              | D52VC63         | 111                            |            |            |         | 94                    | 99                            | 99     |            | 97   |
| Progeny                               | PGY 2008VT2P    | 108                            | 92         | 91         | 94      | 92                    | 118                           | 86     | 109        | 97   |
| Pioneer Brand                         | P1185AM         | 111                            | 92         | 92         | 84      | 102                   | 91                            | 115    | 99         | 97   |
| Hubner Seed                           | H4390RC2P       | 108                            | 97         | 90         | 87      | 98                    | 90                            | 107    | 95         | 95   |
| Mid-Atlantic                          | MA8106VT2PRIB   | 110                            |            |            |         |                       |                               |        | 89         | 89   |
| NK Brand                              | NK1082-5222     | 110                            | 95         | 98         |         |                       |                               | 90     | 69         | 88   |
| FS                                    | FS 6194V RIB    | 111                            |            | 79         | 80      | 89                    | 89                            | 94     |            | 86   |
| <b>112-115 Days Relative Maturity</b> |                 |                                |            |            |         |                       |                               |        |            |      |
| Dyna-Gro                              | D54VC34         | 114                            |            | 118        | 117     | 115                   | 102                           | 100    |            | 110  |
| FS                                    | FS 6306T RIB    | 113                            |            | 107        | 112     | 104                   | 108                           | 115    |            | 109  |
| Hubner Seed                           | H13G513         | 113                            | 105        | 119        | 103     | 108                   | 115                           | 105    | 108        | 109  |
| DEKALB                                | DKC65-95RIB     | 115                            | 110        | 105        | 100     | 101                   | 105                           | 108    | 105        | 105  |
| Mid-Atlantic                          | MA5155GT3VIP    | 115                            |            |            |         |                       |                               |        | 105        | 105  |
| MorCorn                               | MC 4311         | 113                            |            | 95         | 125     | 98                    | 101                           |        |            | 105  |
| MorCorn                               | MC 4319         | 113                            |            | 101        | 112     | 96                    | 108                           |        |            | 104  |
| FS                                    | FS 65R87VT2P    | 115                            |            | 108        | 97      | 100                   | 99                            | 113    |            | 103  |
| Mid-Atlantic                          | MA8128VT2PRIB   | 112                            |            |            |         |                       |                               |        | 103        | 103  |

|                  |                  |     |     |     |     |     |     |     |     |     |
|------------------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FS               | FS 6595V RIB     | 115 |     | 103 | 103 | 98  | 101 | 108 |     | 103 |
| FS               | FS 6406X RIB     | 114 | 100 |     |     |     |     |     | 105 | 103 |
| Augusta          | A3663            | 113 |     |     | 104 | 99  | 104 |     |     | 102 |
| Progeny          | PGY 9114VT2P     | 114 | 103 | 113 | 105 | 101 | 103 | 96  | 95  | 102 |
| Progeny          | PGY 2025DGV2P    | 115 | 114 | 100 | 102 | 104 | 104 | 90  | 96  | 102 |
| Dyna-Gro         | D54VC14          | 114 |     |     |     | 106 | 101 | 98  |     | 101 |
| DEKALB           | DKC62-70RIB      | 112 | 106 | 115 | 90  | 103 | 97  | 100 | 94  | 101 |
| Progeny          | PGY 2012VT2P     | 112 | 112 | 91  | 97  | 99  | 100 | 102 | 100 | 100 |
| LG Seeds         | LG5643VT2PRO     | 114 |     |     |     | 104 | 102 | 96  | 98  | 100 |
| Mid-Atlantic     | MA8158SSRIB      | 115 |     |     |     |     |     |     | 100 | 100 |
| FS               | FS 65R87SS       | 115 | 100 |     |     |     |     |     | 99  | 100 |
| DEKALB           | DKC64-65RIB      | 114 | 96  | 100 | 100 | 97  | 104 | 99  | 97  | 99  |
| Hubner Seed      | H4763RC2P        | 115 | 64  | 107 | 104 | 98  | 104 | 107 | 105 | 98  |
| Progeny          | PGY EXP 112VT2P  | 112 | 100 | 92  | 105 | 95  | 101 | 98  | 95  | 98  |
| FS               | FS 62ZV1 RIB     | 112 |     | 90  | 105 | 90  | 93  | 111 |     | 98  |
| DEKALB           | DKC62-89RIB      | 112 | 107 | 103 | 88  | 100 | 102 | 89  | 96  | 98  |
| Progeny          | PGY EXP 1912VT2P | 112 | 103 | 102 | 83  | 92  | 100 | 107 | 98  | 98  |
| Seed Consultants | SC1122Q™         | 112 | 95  | 94  | 107 | 102 | 93  | 93  | 99  | 98  |
| Progeny          | PGY EXP 115TRE   | 115 |     | 91  | 94  | 100 | 90  | 104 | 103 | 97  |
| Pioneer Brand    | P1506AM          | 115 | 91  | 92  | 88  | 109 | 102 | 87  | 106 | 96  |
| FS               | FS 62ZX1 RIB     | 112 | 96  |     |     |     |     |     | 96  | 96  |
| Progeny          | PGY 2015VT2P     | 115 | 90  | 103 | 94  | 93  | 97  | 95  | 98  | 96  |
| FS               | FS 6595X RIB     | 115 | 98  |     |     |     |     |     | 93  | 96  |
| Seed Consultants | SC1158AM™        | 115 | 91  | 88  | 95  | 98  | 97  | 108 | 91  | 95  |
| Augusta          | A4463            | 113 |     |     |     |     |     |     | 95  | 95  |
| Augusta          | A2362            | 112 |     |     | 103 | 93  | 87  |     |     | 95  |
| Mid-Atlantic     | MA8141DGV2PRIB   | 114 |     |     |     |     |     |     | 94  | 94  |
| DEKALB           | DKC65-84RIB      | 115 | 99  | 90  | 91  | 89  | 95  | 100 | 88  | 93  |
| MorCorn          | MC 4255          | 112 |     | 75  | 88  | 91  | 98  |     |     | 88  |

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**>115 Days Relative Maturity**

|                  |              |     |     |     |     |     |     |     |     |     |
|------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MorCorn          | MC 4725      | 117 |     | 107 | 113 | 106 | 105 |     |     | 108 |
| DEKALB           | DKC70-27RIB  | 120 | 105 | 100 | 109 | 110 | 108 | 99  | 117 | 107 |
| Dyna-Gro         | D58VC65      | 118 |     | 104 | 109 |     |     |     |     | 106 |
| Seed Consultants | SC1170AM™    | 117 | 99  | 123 | 105 | 104 | 108 | 87  | 110 | 105 |
| FS               | FS 6606T RIB | 116 |     | 96  | 109 | 105 | 99  | 117 |     | 105 |

|                  |               |     |     |     |     |     |     |     |     |     |
|------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DEKALB           | DKC67-44RIB   | 117 | 105 | 111 | 117 | 100 | 102 | 89  | 103 | 104 |
| Seed Consultants | SC1188AM™     | 118 | 93  | 107 | 102 | 107 | 115 | 90  | 107 | 103 |
| Seed Consultants | SC1168AM™     | 116 | 91  | 106 | 112 | 110 | 107 | 94  | 95  | 102 |
| Mid-Atlantic     | MA5161DCVIPEZ | 116 |     |     |     |     |     |     | 102 | 102 |
| Progeny          | PGY 8116VT2P  | 116 | 105 | 106 |     |     | 97  |     | 97  | 101 |
| NK Brand         | NK1748-3110   | 117 | 96  | 105 |     |     |     | 96  | 106 | 101 |
| Hubner Seed      | H4828RC2P     | 116 | 95  | 95  | 103 | 99  | 104 | 102 | 102 | 100 |
| LG Seeds         | LG66C44VT2PRO | 116 |     |     |     | 100 | 106 | 100 | 94  | 100 |
| DEKALB           | DKC68-48RIB   | 118 | 106 | 114 | 92  | 100 | 93  | 103 | 91  | 100 |
| Hubner Seed      | H4890RC2P     | 117 | 100 | 104 | 91  | 96  | 99  | 93  | 108 | 99  |
| DEKALB           | DKC68-69RIB   | 118 | 106 | 93  | 98  | 106 | 89  | 90  | 106 | 98  |
| NK Brand         | NK1677-3110   | 116 | 96  | 103 |     |     |     | 93  | 102 | 98  |
| DEKALB           | DKC67-94RIB   | 117 | 97  | 95  | 103 | 97  | 102 | 95  | 97  | 98  |
| MorCorn          | MC 4670       | 116 |     | 97  | 107 | 91  | 96  |     |     | 98  |
| FS               | FS 66ZV1 RIB  | 116 |     | 96  | 104 | 92  | 92  | 105 |     | 98  |
| Progeny          | PGY 8116SS    | 116 | 93  | 103 |     |     | 94  |     | 92  | 96  |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 3. Corn yields at the Southern Piedmont AREC at Blackstone, Virginia in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| Hubner Seed                           | H09G056          | 109                                    | 219                               | 53.6                          |
| MorCorn                               | MC 3952          | 109                                    | 198                               | 55.6                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 195                               | 54.1                          |
| MorCorn                               | MC 4161          | 111                                    | 183                               | 55.3                          |
| Augusta                               | A1259            | 109                                    | 180                               | 52.2                          |
| NK Brand                              | NK1082-5222      | 110                                    | 178                               | 52.5                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 175                               | 53.5                          |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 168                               | 53.2                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 168                               | 56.2                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 165                               | 54.7                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 163                               | 54.1                          |
| Seed Consultants                      | SC1112AM™        | 111                                    | 160                               | 54.9                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 155                               | 54.2                          |
| FS                                    | FS 6194V RIB     | 111                                    | 144                               | 54.0                          |
|                                       | Maturity Average |  | 175                               | 54.1                          |
|                                       | L.S.D. (0.05)    |  | 33                                | 1.2                           |
|                                       | C.V.             |  | 12                                | 1.5                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Hubner Seed                           | H13G513          | 113                                    | 216                               | 53.0                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 214                               | 53.9                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 208                               | 55.0                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 205                               | 55.3                          |
| FS                                    | FS 65R87VT2P     | 115                                    | 196                               | 54.0                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 194                               | 55.0                          |
| FS                                    | FS 6306T RIB     | 113                                    | 194                               | 53.7                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 191                               | 54.5                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 188                               | 57.5                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 187                               | 54.9                          |
| FS                                    | FS 6595V RIB     | 115                                    | 187                               | 55.4                          |
| Progeny                               | PGY EXP 1912VT2P | 112                                    | 185                               | 55.5                          |
| MorCorn                               | MC 4319          | 113                                    | 183                               | 54.3                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 182                               | 54.4                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 182                               | 55.0                          |
| MorCorn                               | MC 4311          | 113                                    | 172                               | 53.8                          |
| Seed Consultants                      | SC1122Q™         | 112                                    | 171                               | 55.3                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 167                               | 55.0                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 166                               | 54.2                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 166                               | 54.6                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 165                               | 55.1                          |
| DEKALB                                | DKC65-84RIB      | 115                                    | 164                               | 54.5                          |
| FS                                    | FS 62ZV1 RIB     | 112                                    | 164                               | 54.8                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 160                               | 55.6                          |

|                                       |                  |            |            |             |
|---------------------------------------|------------------|------------|------------|-------------|
| MorCorn                               | MC 4255          | 112        | 137        | 54.4        |
|                                       | Maturity Average |            | 182        | 54.7        |
|                                       | L.S.D. (0.05)    |            | 41         | 1.4         |
|                                       | C.V.             |            | 14         | 1.8         |
| <b>&gt;115 Days Relative Maturity</b> |                  |            |            |             |
| <b>Seed Consultants</b>               | <b>SC1170AM™</b> | <b>117</b> | <b>222</b> | <b>54.5</b> |
| DEKALB                                | DKC68-48RIB      | 118        | 206        | 53.6        |
| DEKALB                                | DKC67-44RIB      | 117        | 201        | 53.7        |
| MorCorn                               | MC 4725          | 117        | 194        | 54.2        |
| Seed Consultants                      | SC1188AM™        | 118        | 193        | 53.7        |
| Seed Consultants                      | SC1168AM™        | 116        | 193        | 54.6        |
| Progeny                               | PGY 8116VT2P     | 116        | 193        | 54.5        |
| NK Brand                              | NK1748-3110      | 117        | 190        | 53.7        |
| Dyna-Gro                              | D58VC65          | 118        | 188        | 54.9        |
| Hubner Seed                           | H4890RC2P        | 117        | 188        | 54.9        |
| Progeny                               | PGY 8116SS       | 116        | 188        | 55.3        |
| NK Brand                              | NK1677-3110      | 116        | 187        | 54.1        |
| DEKALB                                | DKC70-27RIB      | 120        | 182        | 54.3        |
| MorCorn                               | MC 4670          | 116        | 177        | 55.8        |
| FS                                    | FS 66ZV1 RIB     | 116        | 175        | 55.1        |
| FS                                    | FS 6606T RIB     | 116        | 175        | 53.8        |
| Hubner Seed                           | H4828RC2P        | 116        | 173        | 53.5        |
| DEKALB                                | DKC67-94RIB      | 117        | 172        | 55.9        |
| DEKALB                                | DKC68-69RIB      | 118        | 168        | 54.3        |
|                                       | Maturity Average |            | 188        | 54.4        |
|                                       | L.S.D. (0.05)    |            | 35         | 1.7         |
|                                       | C.V.             |            | 12         | 2.1         |
|                                       | Location Average |            | 182        | 54.4        |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 4. Corn yields at the Southern Piedmont AREC at Blackstone, Virginia, two-year average, 2020 and 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| Hubner Seed                           | H09G056          | 109                                    | 144                               | 52.1                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 134                               | 52.1                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 124                               | 52.6                          |
| NK Brand                              | NK1082-5222      | 110                                    | 122                               | 51.2                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 112                               | 52.1                          |
|                                       | Maturity Average |  | 127                               | 52.0                          |
|                                       | L.S.D. (0.05)    |  | 29                                | 0.8                           |
|                                       | C.V.             |  | 20                                | 1.3                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Dyna-Gro                              | D54VC34          | 114                                    | 141                               | 52.7                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 139                               | 53.7                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 135                               | 53.0                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 131                               | 53.9                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 127                               | 53.1                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 123                               | 54.8                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 120                               | 53.2                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 118                               | 53.8                          |
|                                       | Maturity Average |  | 129                               | 53.5                          |
|                                       | L.S.D. (0.05)    |  | 21                                | 1.0                           |
|                                       | C.V.             |  | 15                                | 1.6                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Hubner Seed                           | H4890RC2P        | 117                                    | 132                               | 53.4                          |
| DEKALB                                | DKC67-44RIB      | 117                                    | 124                               | 52.6                          |
| Seed Consultants                      | SC1168AM™        | 116                                    | 123                               | 52.2                          |
| DEKALB                                | DKC70-27RIB      | 120                                    | 122                               | 52.9                          |
| Seed Consultants                      | SC1188AM™        | 118                                    | 121                               | 52.2                          |
| Hubner Seed                           | H4828RC2P        | 116                                    | 117                               | 52.9                          |
| NK Brand                              | NK1748-3110      | 117                                    | 116                               | 52.0                          |
| NK Brand                              | NK1677-3110      | 116                                    | 116                               | 53.2                          |
| Seed Consultants                      | SC1170AM™        | 117                                    | 113                               | 52.6                          |
| Progeny                               | PGY 8116SS       | 116                                    | 111                               | 53.5                          |
| DEKALB                                | DKC68-69RIB      | 118                                    | 93                                | 53.5                          |
|                                       | Maturity Average |  | 117                               | 52.8                          |
|                                       | L.S.D. (0.05)    |  | 20                                | 1.2                           |
|                                       | C.V.             |  | 15                                | 2.0                           |
|                                       | Location Average |  | 125                               | 52.8                          |

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

<sup>2</sup> Reported at 15.5% moisture.



Table 5. Corn yields at the Tidewater AREC at Holland, Virginia in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| <b>Seed Consultants</b>               | <b>SC1112AM™</b> | <b>111</b>                             | <b>168</b>                        | <b>53.2</b>                   |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 140                               | 51.8                          |
| MorCorn                               | MC 3952          | 109                                    | 139                               | 54.3                          |
| MorCorn                               | MC 4161          | 111                                    | 138                               | 54.1                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 136                               | 51.3                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 134                               | 53.1                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 133                               | 52.4                          |
| Hubner Seed                           | H09G056          | 109                                    | 131                               | 51.6                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 127                               | 52.0                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 126                               | 53.0                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 122                               | 54.3                          |
| FS                                    | FS 6194V RIB     | 111                                    | 117                               | 52.7                          |
|                                       | Maturity Average |  | 134                               | 52.8                          |
|                                       | L.S.D. (0.05)    |  | 35                                | 1.9                           |
|                                       | C.V.             |  | 16                                | 2.5                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| MorCorn                               | MC 4311          | 113                                    | 182                               | 53.2                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 170                               | 53.8                          |
| FS                                    | FS 6306T RIB     | 113                                    | 163                               | 52.8                          |
| MorCorn                               | MC 4319          | 113                                    | 162                               | 54.1                          |
| Seed Consultants                      | SC1122Q™         | 112                                    | 156                               | 53.9                          |
| FS                                    | FS 62ZV1 RIB     | 112                                    | 153                               | 53.8                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 153                               | 53.9                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 152                               | 55.1                          |
| Augusta                               | A3663            | 113                                    | 151                               | 53.7                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 150                               | 54.2                          |
| Hubner Seed                           | H13G513          | 113                                    | 150                               | 52.6                          |
| Augusta                               | A2362            | 112                                    | 150                               | 53.3                          |
| FS                                    | FS 6595V RIB     | 115                                    | 149                               | 53.4                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 148                               | 53.0                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 146                               | 52.9                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 145                               | 53.4                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 141                               | 53.7                          |
| FS                                    | FS 65R87VT2P     | 115                                    | 140                               | 54.0                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 138                               | 54.6                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 136                               | 55.3                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 136                               | 54.6                          |
| DEKALB                                | DKC65-84RIB      | 115                                    | 132                               | 54.5                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 130                               | 54.6                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 128                               | 53.9                          |
| MorCorn                               | MC 4255          | 112                                    | 128                               | 52.7                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 127                               | 54.0                          |

|                                       |                  |     |     |      |
|---------------------------------------|------------------|-----|-----|------|
| Progeny                               | PGY EXP 1912VT2P | 112 | 120 | 53.7 |
|                                       | Maturity Average |     | 146 | 53.8 |
|                                       | L.S.D. (0.05)    |     | 24  | 1.2  |
|                                       | C.V.             |     | 11  | 1.6  |
| <b>&gt;115 Days Relative Maturity</b> |                  |     |     |      |
| DEKALB                                | DKC67-44RIB      | 117 | 169 | 54.3 |
| MorCorn                               | MC 4725          | 117 | 163 | 54.9 |
| Seed Consultants                      | SC1168AM™        | 116 | 163 | 53.7 |
| DEKALB                                | DKC70-27RIB      | 120 | 158 | 54.3 |
| Dyna-Gro                              | D58VC65          | 118 | 158 | 54.2 |
| FS                                    | FS 6606T RIB     | 116 | 158 | 53.4 |
| MorCorn                               | MC 4670          | 116 | 156 | 55.4 |
| Seed Consultants                      | SC1170AM™        | 117 | 153 | 53.1 |
| FS                                    | FS 66ZV1 RIB     | 116 | 151 | 54.8 |
| Hubner Seed                           | H4828RC2P        | 116 | 150 | 53.0 |
| DEKALB                                | DKC67-94RIB      | 117 | 150 | 54.7 |
| Seed Consultants                      | SC1188AM™        | 118 | 148 | 54.6 |
| DEKALB                                | DKC68-69RIB      | 118 | 143 | 54.8 |
| DEKALB                                | DKC68-48RIB      | 118 | 133 | 55.0 |
| Hubner Seed                           | H4890RC2P        | 117 | 132 | 52.8 |
|                                       | Maturity Average |     | 152 | 54.2 |
|                                       | L.S.D. (0.05)    |     | 23  | 1.0  |
|                                       | C.V.             |     | 10  | 1.3  |
|                                       | Location Average |     | 144 | 53.6 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 6. Corn yields at the Tidewater AREC at Holland, Virginia, two-year average, 2020 and 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| DEKALB                                | DKC61-41RIB      | 111                                    | 101                               | 51.0                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 93                                | 51.3                          |
| MorCorn                               | MC 3952          | 109                                    | 91                                | 54.3                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 69                                | 53.1                          |
| Hubner Seed                           | H09G056          | 109                                    | 64                                | 51.6                          |
|                                       | Maturity Average |  | 83                                | 52.2                          |
|                                       | L.S.D. (0.05)    |  | 23                                | 1.9                           |
|                                       | C.V.             |  | 24                                | 2.7                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Dyna-Gro                              | D54VC34          | 114                                    | 127                               | 53.4                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 125                               | 52.3                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 117                               | 54.6                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 115                               | 53.1                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 104                               | 53.9                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 94                                | 55.1                          |
| MorCorn                               | MC 4319          | 113                                    | 94                                | 51.5                          |
| MorCorn                               | MC 4255          | 112                                    | 87                                | 52.3                          |
|                                       | Maturity Average |  | 108                               | 53.3                          |
|                                       | L.S.D. (0.05)    |  | 27                                | 1.7                           |
|                                       | C.V.             |  | 22                                | 1.6                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                               |
| DEKALB                                | DKC70-27RIB      | 120                                    | 123                               | 53.7                          |
| MorCorn                               | MC 4725          | 117                                    | 119                               | 53.0                          |
| DEKALB                                | DKC67-44RIB      | 117                                    | 115                               | 53.4                          |
| MorCorn                               | MC 4670          | 116                                    | 115                               | 54.7                          |
| Hubner Seed                           | H4828RC2P        | 116                                    | 114                               | 53.1                          |
| Hubner Seed                           | H4890RC2P        | 117                                    | 102                               | 52.8                          |
| DEKALB                                | DKC68-69RIB      | 118                                    | 95                                | 54.1                          |
|                                       | Maturity Average |  | 112                               | 53.6                          |
|                                       | L.S.D. (0.05)    |  | 21                                | 1.6                           |
|                                       | C.V.             |  | 16                                | 2.6                           |
|                                       | Location Average |  | 101                               | 53.0                          |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 7. Corn yields under non-irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm, Mt. Holly, Virginia in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| Progeny                               | PGY 2008VT2P     | 108                                    | 235                               | 54.5                          |
| Hubner Seed                           | H09G056          | 109                                    | 224                               | 52.7                          |
| <b>Seed Consultants</b>               | <b>SC1112AM™</b> | <b>111</b>                             | <b>214</b>                        | <b>53.3</b>                   |
| DEKALB                                | DKC61-41RIB      | 111                                    | 206                               | 53.0                          |
| Augusta                               | A1259            | 109                                    | 203                               | 52.4                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 203                               | 53.8                          |
| Dyna-Gro                              | D52VC63          | 111                                    | 197                               | 55.2                          |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 195                               | 51.7                          |
| MorCorn                               | MC 4161          | 111                                    | 193                               | 54.8                          |
| Augusta                               | A1961            | 111                                    | 182                               | 53.2                          |
| MorCorn                               | MC 3952          | 109                                    | 182                               | 54.2                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 181                               | 55.9                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 180                               | 54.4                          |
| FS                                    | FS 6194V RIB     | 111                                    | 177                               | 53.5                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 176                               | 54.0                          |
|                                       | Maturity Average |  | 197                               | 53.8                          |
|                                       | L.S.D. (0.05)    |  | 35                                | 1.7                           |
|                                       | C.V.             |  | 11                                | 2.1                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Hubner Seed                           | H13G513          | 113                                    | 229                               | 52.2                          |
| FS                                    | FS 6306T RIB     | 113                                    | 216                               | 55.2                          |
| MorCorn                               | MC 4319          | 113                                    | 216                               | 53.9                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 209                               | 54.2                          |
| Augusta                               | A3663            | 113                                    | 208                               | 53.3                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 207                               | 53.6                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 207                               | 53.2                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 207                               | 53.5                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 206                               | 55.4                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 204                               | 54.4                          |
| LG Seeds                              | LG5643VT2PRO     | 114                                    | 204                               | 54.3                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 204                               | 54.8                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 203                               | 54.5                          |
| FS                                    | FS 6595V RIB     | 115                                    | 202                               | 53.6                          |
| MorCorn                               | MC 4311          | 113                                    | 202                               | 53.6                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 201                               | 53.5                          |
| Dyna-Gro                              | D54VC14          | 114                                    | 200                               | 54.7                          |
| Progeny                               | PGY EXP 1912VT2P | 112                                    | 200                               | 54.9                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 199                               | 53.7                          |
| FS                                    | FS 65R87VT2P     | 115                                    | 198                               | 55.1                          |
| MorCorn                               | MC 4255          | 112                                    | 195                               | 54.2                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 194                               | 55.1                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 194                               | 54.8                          |

|                  |                |     |     |      |
|------------------|----------------|-----|-----|------|
| Progeny          | PGY 2015VT2P   | 115 | 193 | 55.5 |
| DEKALB           | DKC65-84RIB    | 115 | 189 | 54.7 |
| Seed Consultants | SC1122Q™       | 112 | 186 | 54.8 |
| FS               | FS 62ZV1 RIB   | 112 | 185 | 54.5 |
| Progeny          | PGY EXP 115TRE | 115 | 179 | 53.3 |
| Augusta          | A2362          | 112 | 174 | 53.5 |
| Maturity Average |                |     | 200 | 54.2 |
| L.S.D. (0.05)    |                |     | 22  | 1.6  |
| C.V.             |                |     | 8   | 2.0  |

### >115 Days Relative Maturity

|                  |               |     |     |      |
|------------------|---------------|-----|-----|------|
| Seed Consultants | SC1188AM™     | 118 | 229 | 54.6 |
| Seed Consultants | SC1170AM™     | 117 | 215 | 53.7 |
| DEKALB           | DKC70-27RIB   | 120 | 215 | 54.3 |
| Seed Consultants | SC1168AM™     | 116 | 214 | 55.4 |
| LG Seeds         | LG66C44VT2PRO | 116 | 211 | 54.3 |
| MorCorn          | MC 4725       | 117 | 210 | 55.0 |
| Hubner Seed      | H4828RC2P     | 116 | 208 | 54.2 |
| DEKALB           | DKC67-44RIB   | 117 | 204 | 53.6 |
| DEKALB           | DKC67-94RIB   | 117 | 204 | 53.4 |
| FS               | FS 6606T RIB  | 116 | 198 | 51.0 |
| Hubner Seed      | H4890RC2P     | 117 | 197 | 54.9 |
| MorCorn          | MC 4670       | 116 | 190 | 55.6 |
| DEKALB           | DKC68-48RIB   | 118 | 186 | 54.4 |
| FS               | FS 66ZV1 RIB  | 116 | 184 | 55.7 |
| DEKALB           | DKC68-69RIB   | 118 | 178 | 54.7 |
| Maturity Average |               |     | 203 | 54.3 |
| L.S.D. (0.05)    |               |     | 25  | 1.6  |
| C.V.             |               |     | 9   | 2.0  |
| Location Average |               |     | 200 | 54.1 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 8. Corn yields under non-irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm, Mt. Holly, Virginia two-year average, 2020 and 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| DEKALB                                | DKC61-41RIB      | 111                                    | 142                               | 52.0                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 135                               | 52.6                          |
| MorCorn                               | MC 3952          | 109                                    | 128                               | 53.8                          |
| Hubner Seed                           | H09G056          | 109                                    | 120                               | 52.5                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 119                               | 52.5                          |
|                                       | Maturity Average |  | 129                               | 52.7                          |
|                                       | L.S.D. (0.05)    |  | 18                                | 1.7                           |
|                                       | C.V.             |  | 8                                 | 1.6                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| <b>Seed Consultants</b>               | <b>SC1158AM™</b> | <b>115</b>                             | <b>161</b>                        | <b>53.2</b>                   |
| Hubner Seed                           | H4763RC2P        | 115                                    | 160                               | 52.9                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 155                               | 52.6                          |
| MorCorn                               | MC 4319          | 113                                    | 153                               | 52.8                          |
| Dyna-Gro                              | D54VC14          | 114                                    | 144                               | 53.1                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 140                               | 52.3                          |
| Progeny                               | PGY 2025DGV2P    | 115                                    | 128                               | 53.0                          |
| MorCorn                               | MC 4255          | 112                                    | 124                               | 52.4                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 119                               | 53.8                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 114                               | 52.8                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 109                               | 53.5                          |
|                                       | Maturity Average |  | 137                               | 52.9                          |
|                                       | L.S.D. (0.05)    |  | 32                                | 1.4                           |
|                                       | C.V.             |  | 15                                | 1.6                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                               |
| MorCorn                               | MC 4670          | 116                                    | 147                               | 52.6                          |
| DEKALB                                | DKC67-44RIB      | 117                                    | 146                               | 53.8                          |
| DEKALB                                | DKC70-27RIB      | 120                                    | 144                               | 53.0                          |
| Hubner Seed                           | H4890RC2P        | 117                                    | 136                               | 53.1                          |
| Seed Consultants                      | SC1188AM™        | 118                                    | 136                               | 52.7                          |
| Hubner Seed                           | H4828RC2P        | 116                                    | 133                               | 52.2                          |
| DEKALB                                | DKC68-69RIB      | 118                                    | 132                               | 52.9                          |
| Seed Consultants                      | SC1168AM™        | 116                                    | 128                               | 53.9                          |
| MorCorn                               | MC 4725          | 117                                    | 125                               | 52.4                          |
| Seed Consultants                      | SC1170AM™        | 117                                    | 120                               | 52.4                          |
|                                       | Maturity Average |  | 135                               | 52.9                          |
|                                       | L.S.D. (0.05)    |  | 24                                | 1.0                           |
|                                       | C.V.             |  | 11                                | 1.2                           |
|                                       | Location Average |  | 133                               | 52.8                          |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 9. Corn yields under irrigation at the Virginia Crop Improvement Foundation Seed Farm, Mt. Holly, Virginia in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| <b>Seed Consultants</b>               | <b>SC1112AM™</b> | <b>111</b>                             | <b>303</b>                        | <b>54.9</b>                   |
| Hubner Seed                           | H09G056          | 109                                    | 298                               | 53.0                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 287                               | 53.5                          |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 287                               | 53.2                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 287                               | 52.4                          |
| Augusta                               | A1961            | 111                                    | 286                               | 53.7                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 280                               | 56.4                          |
| Augusta                               | A1259            | 109                                    | 273                               | 53.6                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 273                               | 55.5                          |
| MorCorn                               | MC 4161          | 111                                    | 270                               | 55.4                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 267                               | 54.9                          |
| MorCorn                               | MC 3952          | 109                                    | 258                               | 55.5                          |
| Dyna-Gro                              | D52VC63          | 111                                    | 258                               | 54.6                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 252                               | 54.5                          |
| FS                                    | FS 6194V RIB     | 111                                    | 243                               | 54.3                          |
|                                       | Maturity Average |  | 275                               | 54.3                          |
|                                       | L.S.D. (0.05)    |  | 33                                | 1.4                           |
|                                       | C.V.             |  | 7                                 | 1.9                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| Dyna-Gro                              | D54VC34          | 114                                    | 314                               | 55.3                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 298                               | 55.6                          |
| Hubner Seed                           | H13G513          | 113                                    | 296                               | 54.3                          |
| Dyna-Gro                              | D54VC14          | 114                                    | 290                               | 55.0                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 286                               | 54.2                          |
| FS                                    | FS 6306T RIB     | 113                                    | 285                               | 55.0                          |
| LG Seeds                              | LG5643VT2PRO     | 114                                    | 284                               | 54.2                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 281                               | 56.4                          |
| <b>Seed Consultants</b>               | <b>SC1122Q™</b>  | <b>112</b>                             | <b>278</b>                        | <b>54.6</b>                   |
| Progeny                               | PGY 9114VT2P     | 114                                    | 277                               | 56.4                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 277                               | 54.4                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 274                               | 54.7                          |
| FS                                    | FS 65R87VT2P     | 115                                    | 274                               | 55.8                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 273                               | 55.4                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 271                               | 54.8                          |
| Augusta                               | A3663            | 113                                    | 270                               | 54.7                          |
| MorCorn                               | MC 4311          | 113                                    | 269                               | 54.4                          |
| FS                                    | FS 6595V RIB     | 115                                    | 268                               | 54.3                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 267                               | 54.6                          |
| <b>Seed Consultants</b>               | <b>SC1158AM™</b> | <b>115</b>                             | <b>267</b>                        | <b>55.7</b>                   |
| DEKALB                                | DKC64-65RIB      | 114                                    | 265                               | 54.9                          |
| MorCorn                               | MC 4319          | 113                                    | 264                               | 54.4                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 261                               | 55.2                          |

|                  |                  |     |     |      |
|------------------|------------------|-----|-----|------|
| Augusta          | A2362            | 112 | 255 | 53.8 |
| Progeny          | PGY 2015VT2P     | 115 | 255 | 57.2 |
| Progeny          | PGY EXP 1912VT2P | 112 | 252 | 55.7 |
| MorCorn          | MC 4255          | 112 | 248 | 55.3 |
| FS               | FS 62ZV1 RIB     | 112 | 248 | 55.0 |
| DEKALB           | DKC65-84RIB      | 115 | 245 | 54.4 |
| Maturity Average |                  |     | 272 | 55.0 |
| L.S.D. (0.05)    |                  |     | 27  | 1.2  |
| C.V.             |                  |     | 8   | 1.6  |

### >115 Days Relative Maturity

|                         |                  |            |            |             |
|-------------------------|------------------|------------|------------|-------------|
| <b>Seed Consultants</b> | <b>SC1168AM™</b> | <b>116</b> | <b>302</b> | <b>56.1</b> |
| DEKALB                  | DKC70-27RIB      | 120        | 302        | 56.1        |
| <b>Seed Consultants</b> | <b>SC1188AM™</b> | <b>118</b> | <b>293</b> | <b>55.2</b> |
| DEKALB                  | DKC68-69RIB      | 118        | 291        | 55.8        |
| MorCorn                 | MC 4725          | 117        | 289        | 56.1        |
| FS                      | FS 6606T RIB     | 116        | 286        | 54.6        |
| <b>Seed Consultants</b> | <b>SC1170AM™</b> | <b>117</b> | <b>284</b> | <b>55.3</b> |
| LG Seeds                | LG66C44VT2PRO    | 116        | 273        | 54.5        |
| DEKALB                  | DKC67-44RIB      | 117        | 273        | 55.5        |
| DEKALB                  | DKC68-48RIB      | 118        | 273        | 55.5        |
| Hubner Seed             | H4828RC2P        | 116        | 271        | 55.6        |
| DEKALB                  | DKC67-94RIB      | 117        | 265        | 53.7        |
| Hubner Seed             | H4890RC2P        | 117        | 263        | 56.0        |
| FS                      | FS 66ZV1 RIB     | 116        | 251        | 56.1        |
| MorCorn                 | MC 4670          | 116        | 250        | 56.8        |
| Maturity Average        |                  |            | 278        | 55.5        |
| L.S.D. (0.05)           |                  |            | 24         | 1.3         |
| C.V.                    |                  |            | 6          | 1.6         |
| Location Average        |                  |            | 275        | 55.0        |

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

<sup>2</sup> Reported at 15.5% moisture.



Table 10. Corn yields at the Northern Piedmont Center at Orange, Virginia in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| Seed Consultants                      | SC1112AM™        | 111                                    | 148                               | 53.6                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 143                               | 54.6                          |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 140                               | 51.4                          |
| Hubner Seed                           | H09G056          | 109                                    | 133                               | 52.3                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 133                               | 53.7                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 132                               | 52.2                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 129                               | 52.7                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 127                               | 52.7                          |
| Dyna-Gro                              | D52VC63          | 111                                    | 124                               | 52.5                          |
| FS                                    | FS 6194V RIB     | 111                                    | 117                               | 52.4                          |
| NK Brand                              | NK1082-5222      | 110                                    | 112                               | 52.7                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 107                               | 53.9                          |
|                                       | Maturity Average |  | 129                               | 52.9                          |
|                                       | L.S.D. (0.05)    |  | 19                                | 1.0                           |
|                                       | C.V.             |  | 13                                | 1.7                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| FS                                    | FS 6306T RIB     | 113                                    | 144                               | 53.0                          |
| FS                                    | FS 65R87VT2P     | 115                                    | 141                               | 54.1                          |
| FS                                    | FS 62ZV1 RIB     | 112                                    | 138                               | 53.3                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 135                               | 53.5                          |
| FS                                    | FS 6595V RIB     | 115                                    | 134                               | 52.6                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 134                               | 52.6                          |
| Progeny                               | PGY EXP 1912VT2P | 112                                    | 133                               | 54.9                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 133                               | 52.7                          |
| Hubner Seed                           | H13G513          | 113                                    | 131                               | 51.4                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 129                               | 54.6                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 127                               | 52.8                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 125                               | 53.0                          |
| DEKALB                                | DKC65-84RIB      | 115                                    | 124                               | 53.3                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 124                               | 54.8                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 123                               | 53.6                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 122                               | 52.9                          |
| Dyna-Gro                              | D54VC14          | 114                                    | 122                               | 53.3                          |
| LG Seeds                              | LG5643VT2PRO     | 114                                    | 120                               | 54.4                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 119                               | 54.6                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 118                               | 55.9                          |
| Seed Consultants                      | SC1122Q™         | 112                                    | 115                               | 53.6                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 112                               | 52.5                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 111                               | 53.7                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 108                               | 54.9                          |
|                                       | Maturity Average |  | 126                               | 53.6                          |

|                                       |                  |     |     |      |
|---------------------------------------|------------------|-----|-----|------|
|                                       | L.S.D. (0.05)    | 12  | 1.2 |      |
|                                       | C.V.             | 9   | 1.9 |      |
| <b>&gt;115 Days Relative Maturity</b> |                  |     |     |      |
| FS                                    | FS 6606T RIB     | 116 | 145 | 52.2 |
| FS                                    | FS 66ZV1 RIB     | 116 | 131 | 53.0 |
| DEKALB                                | DKC68-48RIB      | 118 | 129 | 53.6 |
| Hubner Seed                           | H4828RC2P        | 116 | 127 | 53.1 |
| LG Seeds                              | LG66C44VT2PRO    | 116 | 125 | 53.4 |
| DEKALB                                | DKC70-27RIB      | 120 | 123 | 52.8 |
| Progeny                               | PGY 8116VT2P     | 116 | 121 | 54.4 |
| NK Brand                              | NK1748-3110      | 117 | 120 | 52.6 |
| DEKALB                                | DKC67-94RIB      | 117 | 119 | 52.7 |
| Seed Consultants                      | SC1168AM™        | 116 | 118 | 53.9 |
| Progeny                               | PGY 8116SS       | 116 | 116 | 53.5 |
| Hubner Seed                           | H4890RC2P        | 117 | 116 | 53.6 |
| NK Brand                              | NK1677-3110      | 116 | 116 | 53.0 |
| DEKALB                                | DKC68-69RIB      | 118 | 112 | 54.3 |
| Seed Consultants                      | SC1188AM™        | 118 | 111 | 54.3 |
| DEKALB                                | DKC67-44RIB      | 117 | 111 | 54.0 |
| Seed Consultants                      | SC1170AM™        | 117 | 109 | 54.6 |
|                                       | Maturity Average |     | 121 | 53.5 |
|                                       | L.S.D. (0.05)    |     | 12  | 0.9  |
|                                       | C.V.             |     | 9   | 1.7  |
|                                       | Location Average |     | 125 | 53.3 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 11. Corn yields at the Northern Piedmont Center at Orange, Virginia, two-year average, 2020 and 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                               |
| NK Brand                              | NK1082-5222      | 110                                    | 213                               | 49.4                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 212                               | 51.4                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 199                               | 51.4                          |
| Hubner Seed                           | H09G056          | 109                                    | 197                               | 50.2                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 184                               | 53.5                          |
|                                       | Maturity Average |  | 201                               | 51.2                          |
|                                       | L.S.D. (0.05)    |  | 28                                | 2.9                           |
|                                       | C.V.             |  | 9                                 | 3.3                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                               |
| DEKALB                                | DKC65-95RIB      | 115                                    | 241                               | 51.7                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 240                               | 52.4                          |
| Dyna-Gro                              | D54VC34          | 114                                    | 236                               | 51.1                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 232                               | 52.5                          |
| Dyna-Gro                              | D54VC14          | 114                                    | 228                               | 52.7                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 223                               | 51.1                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 208                               | 52.6                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 207                               | 53.3                          |
|                                       | Maturity Average |  | 227                               | 52.2                          |
|                                       | L.S.D. (0.05)    |  | 24                                | 1.4                           |
|                                       | C.V.             |  | 6                                 | 1.3                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                               |
| <b>Seed Consultants</b>               | <b>SC1188AM™</b> | <b>118</b>                             | <b>251</b>                        | <b>51.5</b>                   |
| NK Brand                              | NK1748-3110      | 117                                    | 246                               | 50.9                          |
| Seed Consultants                      | SC1170AM™        | 117                                    | 244                               | 51.4                          |
| DEKALB                                | DKC67-44RIB      | 117                                    | 234                               | 52.2                          |
| NK Brand                              | NK1677-3110      | 116                                    | 228                               | 49.8                          |
| DEKALB                                | DKC70-27RIB      | 120                                    | 225                               | 52.1                          |
| Hubner Seed                           | H4828RC2P        | 116                                    | 222                               | 52.2                          |
| Seed Consultants                      | SC1168AM™        | 116                                    | 221                               | 51.0                          |
| Hubner Seed                           | H4890RC2P        | 117                                    | 220                               | 52.6                          |
| DEKALB                                | DKC68-69RIB      | 118                                    | 215                               | 52.1                          |
| Progeny                               | PGY 8116SS       | 116                                    | 193                               | 52.4                          |
|                                       | Maturity Average |  | 227                               | 51.6                          |
|                                       | L.S.D. (0.05)    |  | 39                                | 1.4                           |
|                                       | C.V.             |  | 10                                | 1.4                           |
|                                       | Location Average |  | 218                               | 51.7                          |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 12. Corn yields at Kentland Farm at Blacksburg, Virginia in 2020 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Moist<br/>%</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|--------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 242                               | 18.0               | 51.9                          |
| Hubner Seed                           | H09G056          | 109                                    | 240                               | 18.5               | 50.4                          |
| Seed Consultants                      | SC1112AM™        | 111                                    | 224                               | 21.1               | 51.0                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 220                               | 19.1               | 52.0                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 219                               | 18.1               | 50.1                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 217                               | 18.5               | 51.4                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 211                               | 18.2               | 51.5                          |
| NK Brand                              | NK1082-5222      | 110                                    | 207                               | 21.1               | 50.1                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 201                               | 18.8               | 54.7                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 201                               | 17.6               | 51.6                          |
|                                       | Maturity Average |  | 218                               | 18.9               | 51.5                          |
|                                       | L.S.D. (0.05)    |  | 20                                | 1.8                | 1.4                           |
|                                       | C.V.             |  | 6                                 | 6.5                | 1.8                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Progeny                               | PGY 2025DGV2P    | 115                                    | 249                               | 21.5               | 50.9                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 245                               | 21.3               | 50.6                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 240                               | 20.3               | 52.2                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 233                               | 18.5               | 51.6                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 231                               | 19.1               | 53.7                          |
| Hubner Seed                           | H13G513          | 113                                    | 228                               | 19.2               | 51.8                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 227                               | 21.1               | 52.6                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 225                               | 20.1               | 52.5                          |
| Progeny                               | PGY EXP 1912VT2P | 112                                    | 224                               | 19.5               | 51.1                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 219                               | 18.6               | 52.1                          |
| FS                                    | FS 6406X RIB     | 114                                    | 218                               | 20.6               | 52.5                          |
| FS                                    | FS 65R87SS       | 115                                    | 217                               | 21.3               | 51.0                          |
| DEKALB                                | DKC65-84RIB      | 115                                    | 216                               | 22.8               | 50.5                          |
| FS                                    | FS 6595X RIB     | 115                                    | 214                               | 22.3               | 52.4                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 210                               | 22.0               | 51.6                          |
| FS                                    | FS 62ZX1 RIB     | 112                                    | 209                               | 20.0               | 51.4                          |
| Seed Consultants                      | SC1122Q™         | 112                                    | 206                               | 20.1               | 52.3                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 204                               | 22.8               | 51.1                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 199                               | 23.3               | 53.6                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 199                               | 21.2               | 52.2                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 196                               | 19.8               | 53.7                          |
|                                       | Maturity Average |  | 220                               | 20.7               | 52.0                          |
|                                       | L.S.D. (0.05)    |  | 23                                | 2.1                | 1.4                           |
|                                       | C.V.             |  | 7                                 | 7.2                | 1.9                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| DEKALB                                | DKC68-69RIB      | 118                                    | 231                               | 25.2               | 51.3                          |
| DEKALB                                | DKC68-48RIB      | 118                                    | 230                               | 21.9               | 50.7                          |
| Progeny                               | PGY 8116VT2P     | 116                                    | 229                               | 21.7               | 51.8                          |

|                  |             |     |     |      |      |
|------------------|-------------|-----|-----|------|------|
| DEKALB           | DKC70-27RIB | 120 | 229 | 25.2 | 51.1 |
| DEKALB           | DKC67-44RIB | 117 | 228 | 20.9 | 52.9 |
| Hubner Seed      | H4890RC2P   | 117 | 220 | 23.3 | 51.8 |
| Seed Consultants | SC1170AM™   | 117 | 215 | 21.7 | 51.7 |
| DEKALB           | DKC67-94RIB | 117 | 212 | 22.3 | 51.2 |
| NK Brand         | NK1677-3110 | 116 | 210 | 22.5 | 50.9 |
| NK Brand         | NK1748-3110 | 117 | 209 | 22.7 | 50.2 |
| Hubner Seed      | H4828RC2P   | 116 | 207 | 21.9 | 51.1 |
| Progeny          | PGY 8116SS  | 116 | 204 | 21.4 | 51.0 |
| Seed Consultants | SC1188AM™   | 118 | 203 | 20.8 | 53.6 |
| Seed Consultants | SC1168AM™   | 116 | 199 | 18.8 | 52.4 |
| Maturity Average |             |     | 216 | 22.2 | 51.5 |
| L.S.D. (0.05)    |             |     | 23  | 1.9  | 1.2  |
| C.V.             |             |     | 7   | 5.9  | 1.6  |
| Location Average |             |     | 218 | 20.6 | 51.6 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 13. Two-year average corn yields at Kentland Farm in Blacksburg, Virginia, 2019 and 2020 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Moist<br/>%</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|--------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Progeny                               | PGY EXP 2010TRE  | 110                                    | 242                               | 18.0               | 51.9                          |
| Hubner Seed                           | H09G056          | 109                                    | 240                               | 18.5               | 50.4                          |
| <b>Seed Consultants</b>               | <b>SC1112AM™</b> | <b>111</b>                             | <b>224</b>                        | <b>21.1</b>        | <b>51.0</b>                   |
| Hubner Seed                           | H4563RC2P        | 111                                    | 220                               | 19.1               | 52.0                          |
| DEKALB                                | DKC61-41RIB      | 111                                    | 219                               | 18.1               | 50.1                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 217                               | 18.5               | 51.4                          |
| Hubner Seed                           | H4390RC2P        | 108                                    | 211                               | 18.2               | 51.5                          |
| NK Brand                              | NK1082-5222      | 110                                    | 207                               | 21.1               | 50.1                          |
| Pioneer Brand                         | P1185AM          | 111                                    | 201                               | 18.8               | 54.7                          |
| Progeny                               | PGY 2008VT2P     | 108                                    | 201                               | 17.6               | 51.6                          |
|                                       | Maturity Average |  | 218                               | 18.9               | 51.5                          |
|                                       | L.S.D. (0.05)    |  | 20                                | 1.8                | 1.4                           |
|                                       | C.V.             |  | 6                                 | 6.5                | 1.8                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 249                               | 21.5               | 50.9                          |
| Progeny                               | PGY 2012VT2P     | 112                                    | 245                               | 21.3               | 50.6                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 240                               | 20.3               | 52.2                          |
| DEKALB                                | DKC62-89RIB      | 112                                    | 233                               | 18.5               | 51.6                          |
| DEKALB                                | DKC62-70RIB      | 112                                    | 231                               | 19.1               | 53.7                          |
| Hubner Seed                           | H13G513          | 113                                    | 228                               | 19.2               | 51.8                          |
| Progeny                               | PGY EXP 115TRE   | 115                                    | 227                               | 21.1               | 52.6                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 225                               | 20.1               | 52.5                          |
| Progeny                               | PGY EXP 1912VT2P | 112                                    | 224                               | 19.5               | 51.1                          |
| Progeny                               | PGY EXP 112VT2P  | 112                                    | 219                               | 18.6               | 52.1                          |
| FS                                    | FS 6406X RIB     | 114                                    | 218                               | 20.6               | 52.5                          |
| FS                                    | FS 65R87SS       | 115                                    | 217                               | 21.3               | 51.0                          |
| DEKALB                                | DKC65-84RIB      | 115                                    | 216                               | 22.8               | 50.5                          |
| FS                                    | FS 6595X RIB     | 115                                    | 214                               | 22.3               | 52.4                          |
| DEKALB                                | DKC64-65RIB      | 114                                    | 210                               | 22.0               | 51.6                          |
| FS                                    | FS 62ZX1 RIB     | 112                                    | 209                               | 20.0               | 51.4                          |
| Seed Consultants                      | SC1122Q™         | 112                                    | 206                               | 20.1               | 52.3                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 204                               | 22.8               | 51.1                          |
| Pioneer Brand                         | P1506AM          | 115                                    | 199                               | 23.3               | 53.6                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 199                               | 21.2               | 52.2                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 196                               | 19.8               | 53.7                          |
|                                       | Maturity Average |  | 220                               | 20.7               | 52.0                          |
|                                       | L.S.D. (0.05)    |  | 23                                | 2.1                | 1.4                           |
|                                       | C.V.             |  | 7                                 | 7.2                | 1.9                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| DEKALB                                | DKC68-69RIB      | 118                                    | 231                               | 25.2               | 51.3                          |
| Dyna-Gro                              | D52VC63          | 111                                    | 230                               | 21.9               | 50.7                          |
| Progeny                               | PGY 8116VT2P     | 116                                    | 229                               | 21.7               | 51.8                          |

|                  |             |     |     |      |      |
|------------------|-------------|-----|-----|------|------|
| DEKALB           | DKC70-27RIB | 120 | 229 | 25.2 | 51.1 |
| DEKALB           | DKC67-44RIB | 117 | 228 | 20.9 | 52.9 |
| Hubner Seed      | H4890RC2P   | 117 | 220 | 23.3 | 51.8 |
| Seed Consultants | SC1170AM™   | 117 | 215 | 21.7 | 51.7 |
| DEKALB           | DKC68-48RIB | 118 | 212 | 22.3 | 51.2 |
| NK Brand         | NK1677-3110 | 116 | 210 | 22.5 | 50.9 |
| NK Brand         | NK1748-3110 | 117 | 209 | 22.7 | 50.2 |
| Hubner Seed      | H4828RC2P   | 116 | 207 | 21.9 | 51.1 |
| Progeny          | PGY 8116SS  | 116 | 204 | 21.4 | 51.0 |
| Seed Consultants | SC1188AM™   | 118 | 203 | 20.8 | 53.6 |
| Seed Consultants | SC1168AM™   | 116 | 199 | 18.8 | 52.4 |
| Maturity Average |             |     | 216 | 22.2 | 51.5 |
| L.S.D. (0.05)    |             |     | 23  | 1.9  | 1.2  |
| C.V.             |             |     | 7   | 5.9  | 1.6  |
| Location Average |             |     | 218 | 20.6 | 51.6 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 14. Corn yields at Shenandoah Valley site in 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM per Co.<sup>1</sup></b> | <b>Yield<sup>2</sup> bu/A</b> | <b>Moist %</b> | <b>Test Wt. lb/bu</b> |
|---------------------------------------|------------------|--------------------------------|-------------------------------|----------------|-----------------------|
| <b>108-111 Days Relative Maturity</b> |                  |                                |                               |                |                       |
| Seed Consultants                      | SC1112AM™        | 111                            | 298                           | 20.5           | 53.7                  |
| Mid-Atlantic                          | MA8110TREC       | 111                            | 289                           | 21.3           | 53.7                  |
| DEKALB                                | DKC59-82RIB      | 109                            | 275                           | 21.2           | 52.7                  |
| Hubner Seed                           | H09G056          | 109                            | 270                           | 20.3           | 50.7                  |
| Progeny                               | PGY 2008VT2P     | 108                            | 266                           | 19.3           | 52.7                  |
| Hubner Seed                           | H4563RC2P        | 111                            | 260                           | 22.4           | 53.2                  |
| Progeny                               | PGY EXP 2010TRE  | 110                            | 253                           | 19.2           | 53.1                  |
| Augusta                               | A1961            | 111                            | 251                           | 19.6           | 51.5                  |
| Augusta                               | A1259            | 109                            | 249                           | 21.6           | 51.4                  |
| Mid-Atlantic                          | MA5083DCEZ       | 108                            | 248                           | 19.9           | 51.3                  |
| Pioneer Brand                         | P1185AM          | 111                            | 247                           | 18.9           | 54.9                  |
| DEKALB                                | DKC61-41RIB      | 111                            | 240                           | 20.7           | 52.4                  |
| Hubner Seed                           | H4390RC2P        | 108                            | 236                           | 20.9           | 52.9                  |
| Mid-Atlantic                          | MA8106VT2PRIB    | 110                            | 224                           | 19.7           | 54.9                  |
| NK Brand                              | NK1082-5222      | 110                            | 172                           | 19.6           | 52.0                  |
|                                       | Maturity Average |                                | 252                           | 20.3           | 52.7                  |
|                                       | L.S.D. (0.05)    |                                | 25                            | 1.6            | 3.8                   |
|                                       | C.V.             |                                | 7                             | 5.5            | 1.8                   |
| <b>112-115 Days Relative Maturity</b> |                  |                                |                               |                |                       |
| Hubner Seed                           | H13G513          | 113                            | 270                           | 21.5           | 52.7                  |
| Pioneer Brand                         | P1506AM          | 115                            | 264                           | 25.9           | 52.6                  |
| DEKALB                                | DKC65-95RIB      | 115                            | 263                           | 20.9           | 53.4                  |
| Mid-Atlantic                          | MA5155GT3VIP     | 115                            | 263                           | 26.6           | 53.1                  |
| FS                                    | FS 6406X RIB     | 114                            | 261                           | 22.6           | 53.2                  |
| Hubner Seed                           | H4763RC2P        | 115                            | 261                           | 21.8           | 52.9                  |
| Mid-Atlantic                          | MA8128VT2PRIB    | 112                            | 258                           | 20.9           | 53.5                  |
| Progeny                               | PGY EXP 115TRE   | 115                            | 256                           | 23.3           | 53.5                  |
| Mid-Atlantic                          | MA8158SSRIB      | 115                            | 250                           | 22.0           | 53.9                  |
| Progeny                               | PGY 2012VT2P     | 112                            | 249                           | 20.8           | 53.2                  |
| FS                                    | FS 65R87SS       | 115                            | 247                           | 21.2           | 52.7                  |
| Seed Consultants                      | SC1122Q™         | 112                            | 246                           | 20.6           | 53.6                  |
| Progeny                               | PGY EXP 1912VT2P | 112                            | 246                           | 19.8           | 53.9                  |
| LG Seeds                              | LG5643VT2PRO     | 114                            | 245                           | 21.7           | 51.6                  |
| Progeny                               | PGY 2015VT2P     | 115                            | 244                           | 20.2           | 54.5                  |
| DEKALB                                | DKC64-65RIB      | 114                            | 242                           | 22.0           | 53.1                  |
| Progeny                               | PGY 2025DGVT2P   | 115                            | 240                           | 23.4           | 51.4                  |
| DEKALB                                | DKC62-89RIB      | 112                            | 239                           | 22.2           | 53.2                  |
| FS                                    | FS 62ZX1 RIB     | 112                            | 239                           | 19.1           | 53.7                  |
| Progeny                               | PGY EXP 112VT2P  | 112                            | 238                           | 22.2           | 52.3                  |
| Progeny                               | PGY 9114VT2P     | 114                            | 238                           | 20.4           | 53.9                  |



|                  |                  |     |     |      |      |
|------------------|------------------|-----|-----|------|------|
| Augusta          | A4463            | 113 | 237 | 20.4 | 53.7 |
| DEKALB           | DKC62-70RIB      | 112 | 236 | 21.6 | 53.1 |
| Mid-Atlantic     | MA8141DGVT2PRIB  | 114 | 235 | 24.4 | 52.6 |
| FS               | FS 6595X RIB     | 115 | 231 | 23.7 | 53.3 |
| Seed Consultants | SC1158AM™        | 115 | 227 | 22.1 | 53.0 |
| DEKALB           | DKC65-84RIB      | 115 | 220 | 20.2 | 53.6 |
|                  | Maturity Average |     | 246 | 21.9 | 53.1 |
|                  | L.S.D. (0.05)    |     | 21  | 1.8  | 1.4  |
|                  | C.V.             |     | 9   | 5.7  | 1.8  |

### >115 Days Relative Maturity

|                  |                  |     |     |      |      |
|------------------|------------------|-----|-----|------|------|
| DEKALB           | DKC70-27RIB      | 120 | 292 | 24.1 | 54.4 |
| Seed Consultants | SC1170AM™        | 117 | 274 | 23.3 | 52.0 |
| Hubner Seed      | H4890RC2P        | 117 | 270 | 22.0 | 57.2 |
| Seed Consultants | SC1188AM™        | 118 | 267 | 24.1 | 53.5 |
| DEKALB           | DKC68-69RIB      | 118 | 265 | 24.8 | 53.3 |
| NK Brand         | NK1748-3110      | 117 | 264 | 24.0 | 51.2 |
| DEKALB           | DKC67-44RIB      | 117 | 257 | 21.0 | 52.2 |
| NK Brand         | NK1677-3110      | 116 | 255 | 23.0 | 50.7 |
| Mid-Atlantic     | MA5161DCVIPEZ    | 116 | 254 | 24.3 | 51.3 |
| Hubner Seed      | H4828RC2P        | 116 | 253 | 22.4 | 54.6 |
| Progeny          | PGY 9114VT2P     | 114 | 242 | 24.0 | 53.3 |
| DEKALB           | DKC67-94RIB      | 117 | 241 | 22.5 | 52.7 |
| Seed Consultants | SC1168AM™        | 116 | 237 | 21.5 | 52.9 |
| LG Seeds         | LG66C44VT2PRO    | 116 | 236 | 22.9 | 57.4 |
| Progeny          | PGY 8116SS       | 116 | 233 | 20.9 | 53.9 |
| DEKALB           | DKC68-48RIB      | 118 | 228 | 21.8 | 53.3 |
|                  | Maturity Average |     | 254 | 22.9 | 53.3 |
|                  | L.S.D. (0.05)    |     | 21  | 2.2  | 4.8  |
|                  | C.V.             |     | 11  | 6.6  | 6.3  |
|                  | Location Average |     | 251 | 22   | 53.1 |

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

<sup>2</sup> Reported at 15.5% moisture.

Table 15. Two-year average corn yields at Shenandoah Valley site, 2020 and 2021 - Virginia Tech Trials.

| <b>Brand/Company</b>                  | <b>Hybrid</b>    | <b>DTM<br/>per<br/>Co.<sup>1</sup></b> | <b>Yield<sup>2</sup><br/>bu/A</b> | <b>Moist<br/>%</b> | <b>Test<br/>Wt.<br/>lb/bu</b> |
|---------------------------------------|------------------|--|-----------------------------------|--------------------|-------------------------------|
| <b>108-111 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| NK Brand                              | NK1082-5222      | 110                                    | 155                               | 16.8               | 52.9                          |
| Mid-Atlantic                          | MA8106VT2PRIB    | 110                                    | 154                               | 17.2               | 54.4                          |
| DEKALB                                | DKC59-82RIB      | 109                                    | 142                               | 15.9               | 55.2                          |
| Hubner Seed                           | H4563RC2P        | 111                                    | 138                               | 18.6               | 54.0                          |
| Hubner Seed                           | H09G056          | 109                                    | 126                               | 20.4               | 54.0                          |
|                                       | Maturity Average |  | 143                               | 17.8               | 54.1                          |
|                                       | L.S.D. (0.05)    |  | 24                                | 3.6                | 1.5                           |
|                                       | C.V.             |  | 11                                | 15.7               | 1.0                           |
| <b>112-115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Progeny                               | PGY 2012VT2P     | 112                                    | 173                               | 15.7               | 54.1                          |
| Augusta                               | A4463            | 113                                    | 173                               | 17.2               | 53.3                          |
| Mid-Atlantic                          | MA8141DGVT2PRIB  | 114                                    | 165                               | 19.4               | 53.3                          |
| DEKALB                                | DKC65-95RIB      | 115                                    | 165                               | 17.0               | 55.6                          |
| Mid-Atlantic                          | MA8158SSRIB      | 115                                    | 164                               | 18.6               | 55.8                          |
| Hubner Seed                           | H4763RC2P        | 115                                    | 164                               | 19.3               | 54.5                          |
| Mid-Atlantic                          | MA8128VT2PRIB    | 112                                    | 164                               | 17.3               | 54.2                          |
| Progeny                               | PGY 9114VT2P     | 114                                    | 158                               | 16.9               | 56.0                          |
| Progeny                               | PGY 2025DGVT2P   | 115                                    | 153                               | 18.5               | 54.3                          |
| Mid-Atlantic                          | MA5155GT3VIP     | 115                                    | 150                               | 19.6               | 55.5                          |
| Progeny                               | PGY 2015VT2P     | 115                                    | 139                               | 15.2               | 57.1                          |
| Seed Consultants                      | SC1158AM™        | 115                                    | 129                               | 18.8               | 52.9                          |
|                                       | Maturity Average |  | 158                               | 17.8               | 54.7                          |
|                                       | L.S.D. (0.05)    |  | 19                                | 2.0                | 1.7                           |
|                                       | C.V.             |  | 11                                | 6.7                | 1.8                           |
| <b>&gt;115 Days Relative Maturity</b> |                  |  |                                   |                    |                               |
| Hubner Seed                           | H4828RC2P        | 116                                    | 180                               | 18.2               | 54.3                          |
| DEKALB                                | DKC67-44RIB      | 117                                    | 176                               | 17.2               | 54.7                          |
| DEKALB                                | DKC70-27RIB      | 120                                    | 163                               | 20.0               | 53.4                          |
| Hubner Seed                           | H4890RC2P        | 117                                    | 163                               | 18.9               | 55.2                          |
| NK Brand                              | NK1748-3110      | 117                                    | 151                               | 18.5               | 53.0                          |
| DEKALB                                | DKC68-69RIB      | 118                                    | 149                               | 21.0               | 53.5                          |
| Seed Consultants                      | SC1168AM™        | 116                                    | 148                               | 20.0               | 53.0                          |
| Seed Consultants                      | SC1170AM™        | 117                                    | 134                               | 18.2               | 54.7                          |
| NK Brand                              | NK1677-3110      | 116                                    | 130                               | 18.3               | 53.1                          |
| Progeny                               | PGY 8116SS       | 116                                    | 127                               | 15.5               | 56.1                          |
| Seed Consultants                      | SC1188AM™        | 118                                    | 110                               | 20.6               | 53.3                          |
|                                       | Maturity Average |  | 148                               | 18.8               | 54.0                          |
|                                       | L.S.D. (0.05)    |  | 19                                | 1.8                | 1.7                           |
|                                       | C.V.             |  | 17                                | 6.2                | 2.0                           |
|                                       | Location Average |  | 150                               | 18.1               | 54.3                          |

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

<sup>2</sup> Reported at 15.5% moisture.

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