



VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2017

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Companies Participating in the 2017 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
Crop Production Services	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens Church, VA 23148-0409
Doebler's PA Hybrids, Inc.	RPM®	1000 Commerce Park Dr. Suite 106,
	Williamsport, PA 17701	
Dupont Pioneer	Pioneer	425 Abbeydale Way, Columbia, SC 29229
Erwin-Keith, Inc.	Progeny Ag Products	1529 Hwy 193, Wynne, AR 72396
Mid-Atlantic Seeds	Mid-Atlantic	204 St. Charles Way #163E, York, PA 17402
Monsanto	Channel, DEKALB, Hubner	800 N Lindbergh Blvd., St Louis, MO 63167
Seed Consultants, Inc.	Seed Consultants	648 Miami Trace Rd, Washington Court
	House, OH 43160	
SeedKoz	MorCorn and Phoenix	1725 Windward Concourse Suite 410,
	Alpharetta, GA 30005	
Syngenta	NK Brand	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds	T.A. Seeds	39 Seeds Lane, Jersey Shore, PA 17740
Tidewater Seed LLC	AXIS	210 Marlboro Ave. Suite 25, Easton, MD 21601

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Background Information

Performance trials of commercial corn hybrids were conducted at six locations in Virginia in 2017. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All but two locations were planted with a Wintersteiger PlotKing 2600. Blackstone and Holland were planted with an Almaco 2-row cone planter. 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 indicate 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.

2017 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm

Planted: May 17, 2017 no-till into killed cereal cover
Harvested: November 2, 2017
Population: 18,120 plants/acre
Pesticide: 2 qt glyphosate April 21, 2017; 1 qt Atrazine 4L + 3 qt Acuron + 0.25% NIS May 3, 2017; 5 lb Force® 3G at planting; 1 pt Atrazine + .5 pt Banvel + 0.25% NIS June 21, 2017
Fertilizer: Lime 2.25 ton April 18, 2017; 30-40-60 pre-plant incorporated May 3, 2017; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 140 lb N as 30-0-0 sidedressed June 15, 2017
Plot Size: 2 rows 25' x 30" 4 replications
Previous crop: corn
Soil Type: Hayter loam
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 18, 2016 no-till into soybean stubble
Harvested: August 31, 2017
Population: 20,140 plants/acre
Pesticide: 2 qt Buccaneer® + 2 qt Brawl April 19, 2017
Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 7, 2017; 80 lb N top-dressed using UAN May 19, 2017
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Appling and Durham sandy loam
Previous crop: Soybean
Cooperator: Ned Jones

Holland Tidewater Agricultural Research & Extension Center

Planted: April 19, 2017 no-till after cotton and peanuts
Harvested: September 11, 2017
Pesticide: 1 qt Roundup March 30, 2017; 4 pt Bicep® + 2 pt Princep April 18, 2017;
Fertilizer: 283 lb 10-14-28 April 10, 2017; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 165-0-0-20 sidedressed May 31, 2017
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Emporia, Nansemond
Previous crop: Cotton, peanuts
Cooperator: Karl Jones

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

Planted: April 29, 2017 no-till into soybean stubble
Harvested: September 20, 2017
Population: 25,100 plants/acre
Pesticide: 3 qt Acuron® + 1 pt atrazine pre-plant; 5 lb Force® 3G at planting; 4 oz dicamba post-plant
Fertilizer: 60-40-60 pre-plant incorporated; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 120 lb N with Agrotain side-dressed June 2, 2017
Plot Size: 2 rows 25' x 30" 4 replications

Soil Type: State fine sandy loam
Previous crop: Soybean
Cooperator: Phillip Browning

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

Planted: April 28, 2017 no-till into soybean stubble
Harvested: September 23-24, 2017
Population: 30,360 plants/acre
Pesticide: 3 qt Acuron® + 1 pt atrazine pre-plant; 5 lb Force® 3G at planting; 4 oz dicamba post-plant
Fertilizer: 60-40-60 pre-plant incorporated; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 150 lb N plus Agrotain fertigated June 6, 2017
Irrigation: 7" over the growing season
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: State fine sandy loam
Previous crop: Soybean
Cooperator: Phillip Browning

Orange Northern Piedmont Center

Planted: May 3, 2017 no-till into soybean stubble
Harvested: October 23, 2017
Population: 22,950 plants/acre
Pesticide: 3 qt Acuron® + 2.8 qt Gramaxone® April 8, 2017
Fertilizer: 30-80-40 May 1, 2017; 17 gal 15-15-0-2S-.13B-.25Zn at planting; 100 lb liquid N side-dressed June 7, 2017
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Starr silt loam
Previous crop: soybeans
Cooperators: Brad Lael

Shenandoah Valley (Thanks to Mark Deavers)

Planted: May 2, 2017 no-till into soybean stubble
Harvested: October 6, 2017
Population: 18,760
Pesticide: 1.125 qt Acuron flexi + 1.5 qt Atrex + 1.5 qt Princep + 1.92 oz Kendo + 1.5 qt Glystar K Plus + .25 qt Topeka + 1.5 qt Unison preplant; 5 lb Force® 3G at planting; .66 oz Primero + 1.25 qt Prowl + 3 oz Status post-emergence
Fertilizer: 4 tons poultry litter + 2 tons wood ash + 30-0-0-6.5 preplant; 17 gal 15-15-0-2S-.13B-.25Zn at planting;
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Edom silty clay loam
Previous crop: Soybeans
Cooperators: Doug Horn and Mark Deavers

2017 STATE GRAIN TRIALS

Table 1. List of hybrids in the 2017 Virginia Corn Hybrid & Management Trials

Brand	Hybrid	DTM per Co.¹	Insecticide	Genetics
Augusta	1156	106	Poncho® 500/VOTiVO®	Genuity SmartStax
Augusta	1158	108	Poncho® 250	Genuity VT Double PRO RIB Complete
Augusta	1059	109	CruiserMaxx® 500	Agrisure Viptera 3111
Augusta	1159	109	CruiserMaxx® 500	Agrisure GT/CB/LL
Augusta	5065	115	CruiserMaxx® 250	Agrisure GT/CB/LL
Augusta	1165	115	Poncho® 500/VOTiVO®	Genuity VT Double PRO
AXIS	55M25RIB	105	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	57A25RIB	107	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	60K23RIB	110	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	64K24RIB	114	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	64D25RIB	114	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	65H25RIB	115	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	66T27RIB	116	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	66A22RIB	116	Poncho® 250	Genuity VT Double PRO RIB Complete
AXIS	66P56RIB	116	Poncho® 500/VOTiVO®	Genuity SmartStax RIB Complete
AXIS	66N51	116	Poncho® 250	Genuity VT Double PRO RIB Complete
Channel	204-74VT2PRIB	104	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	206-11STXRIB	106	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Channel	207-27VT2PRIB	107	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	208-23VT2PRIB	108	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	209-15VT2PRIB	109	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	210-26VT2PRIB	110	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	212-20VT2PRIB	112	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	213-19VT2PRIB	113	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	215-75VT2PRIB	115	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Channel	216-36STXRIB	116	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Channel	217-92STXRIB	117	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
DEKALB	DKC62-20RIB	112	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC64-89RIB	114	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC64-35RIB	114	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC65-20RIB	115	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC65-94SS	115	Acceleron® 1250/VOTiVO®	Genuity SmartStax

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Brand	Hybrid	DTM per Co.¹	Insecticide	Genetics
DEKALB	DKC66-75RIB	116	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC67-72RIB	117	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC67-44RIB	117	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
DEKALB	DKC70-27RIB	120	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Doebler's	RPM® 4417AMXT™	104	CruiserMaxx® 250	Optimum AcreMax XTreme
Doebler's	RPM® 4717AM™	108	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's	RPM® 4917AM™	109	CruiserMaxx® 250	Optimum AcreMax
Doebler's	RPM® 5018AM™	110	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's	RPM® 5125AM™	111	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's	RPM® 5315AMXT™	113	Poncho® 1250/VOTiVO®	Optimum AcreMax XTreme
Doebler's	RPM® 5518AM™	115	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's	RPM® 5818AM™	118	Poncho® 1250/VOTiVO®	Optimum AcreMax
Dyna-Gro	D50VC30	110	Poncho® 500	Genuity VT Double PRO
Dyna-Gro	D52VC91	112	Poncho® 500	Genuity VT Double PRO
Dyna-Gro	CX17212	112	Poncho® 500	Genuity VT Double PRO
Dyna-Gro	D54DC94	114	Poncho® 500	Genuity VT Double PRO
Dyna-Gro	D54VC52	114	Poncho® 500	Genuity VT Double PRO
Dyna-Gro	D58VC37	118	Poncho® 500	Genuity VT Double PRO
Hubner Seed	H12G624	112	Acceleron® 500/Poncho® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Hubner Seed	H6663RCSS	113	Acceleron® 500/Poncho® 500/VOTiVO®	Genuity SmartStax RIB Complete
Hubner Seed	H4755RC2P	114	Acceleron® 500/Poncho® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Hubner Seed	H4890RC2P	117	Acceleron® 500/Poncho® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Mid-Atlantic	MA8034	103	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic	MA8063	106	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic	MA8092	107	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic	MA8099	107	Acceleron® 250	Genuity VT Triple PRO
Mid-Atlantic	MA8091	107	Acceleron® 250	VT2PASR
Mid-Atlantic	MA8107	110	Acceleron® 1250	Genuity VT Double PRO
Mid-Atlantic	MA8144	114	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic	MA8157	115	Acceleron® 250	Genuity VT Triple PRO
Mid-Atlantic	MA5166	115	CruiserMaxx® 250	Agrisure GT/CB/LL
Mid-Atlantic	MA8164	115	Acceleron® 250	Genuity VT Double PRO

2017 STATE GRAIN TRIALS

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Brand	Hybrid	DTM per Co.¹	Insecticide	Genetics
Mid-Atlantic	MA8152	115	Acceleron® 250	Genuity VT Double PRO
MorCorn	MC 4319	113	Acceleron® 250	Genuity VT Double PRO
MorCorn	MC 4725	117	Acceleron® 250	Genuity VT Double PRO
NK	N66V-3000GT	110	Avicta® Complete 500	Agrisure 3000GT
NK	N76A-3000GT	114	Avicta® Complete 500	Agrisure 3000GT
NK	N83D-3111	118	Avicta® Complete 500	Agrisure Viptera 3111
Phoenix	6542A4	116	Avicta® Complete 500	Agrisure Viptera 3111
Phoenix	7402A3	118	Avicta® Complete 500	Agrisure 3000GT
Pioneer	P0339AM	103	Poncho® 1250/VOTiVO®	Optimum AcreMax
Pioneer	P1197AM	111	Poncho® 1250/VOTiVO®	Optimum AcreMax
Pioneer	P1637AM	116	Poncho® 1250/VOTiVO®	Optimum AcreMax
Progeny	PGY 7111VT2P	111	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Progeny	PGY 5115VT2P	115	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Progeny	PGY 7215VT3P	115	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Progeny	PGY EXP1715SS	115	Poncho® 500/VOTiVO®	Genuity SmartStax
Progeny	PGY 6116VT2P	116	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Progeny	PGY 6119VT2P	119	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Seed Consultants	SC 10AQ96™	109	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SC 1094YHR™	109	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SC 11AQ17™	111	Poncho® 1250/VOTiVO®	Agrisure 3000GT
Seed Consultants	SCS 1125YHR™	112	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SCS 1136YHR™	113	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SCS 1131YHR™	113	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SCS 1158YHR™	115	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SCS 1168YHR™	116	Poncho® 1250/VOTiVO®	Optimum Intrasect
Seed Consultants	SC 11AQ74™	117	Poncho® 1250/VOTiVO®	Agrisure 3000GT
T. A. Seeds	TA736-28RIB	113	Avicta® Complete 500	Genuity SmartStax RIB Complete
T. A. Seeds	TA758-28RIB	116	Avicta® Complete 500	Genuity SmartStax RIB Complete

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

Hybrids are arranged by Company, then days to maturity.

The Handy Bt Trait Table

for U.S. Corn Production

Updated
15 March 2017

Posted at www.msuent.com

For questions, complaints, or corrections: Chris DiFonzo, Michigan State University, difonzo@msu.edu
Contributors: Pat Porter, Texas A&M University & Kelley Tilmon, The Ohio State University

Most corn hybrids planted in the U.S. contain one or more transgenic traits for weed or insect management. These traits can increase flexibility and profitability for producers, but sometimes cause confusion about their spectrum of control or refuge requirements. The Handy Bt Trait Table provides a helpful list of trait names (below) and details of trait packages (next page) to make it easier to read company seed guides, sales materials, and bag tags. Note that there are two versions of the table (north/Midwest vs. south/cotton belt) which differ only in refuge percentages.

Important clarifications or changes to the Trait Table for 2017

- ✓ An insect is listed in the CONTROL SPECTRUM column if seed providers claim protection or efficacy for a given Bt package; insect species which are 'suppressed' are no longer listed. Actual field-level performance of hybrids on lepidopteran and rootworm larvae may differ if there are local or regional insect populations which are less susceptible or resistant to Bt proteins.
- ✓ To address local or regional performance issues, a new column ('May be ineffective on') was added to highlight insect x Bt toxins with documented field-failures, confirmed resistance, or cross-resistance. An insect is listed in this column only if ALL of the Bt proteins which should control it in a product are 'ineffective' somewhere in the US or Canada. Ineffective ratings are based on published lab assays &/or field research from field corn, sweet corn, and cotton. University extension specialists or local educators can assist in determining if you are in an area where reduced effectiveness was reported. On a broader scale, this column is intended to alert growers and consultants to potential management problems, influence seed selection, and encourage field scouting.
- ✓ The refuge column was simplified to include only the % and an indication if the refuge is in the bag.

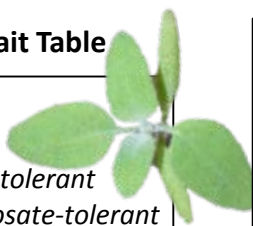
Field corn 'events' (transformations of one or more genes) and their Trade Names

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

Abbreviations used in the Trait Table

Herbicide activity

GT *glyphosate tolerant*
LL Liberty Link - *glufosinate-tolerant*
RR2 Roundup Ready 2, *glyphosate-tolerant*



Insect targets

BCW black cutworm	SB stalk borer
CEW corn earworm	SCB sugarcane borer
ECB ₆ European corn borer	SWCB southwestern corn borer
FAW fall armyworm	TAW true armyworm
RW corn rootworm	WBC western bean cutworm



TRAIT FAMILY		CONTROL SPECTRUM		May be locally	Herbicide	
Specific Product	Bt protein(s)	Marketed for control of:		or regionally	tolerance	Refuge %
AGRISURE		above-ground-----in soil		ineffective on:		
Agrisure 3010, 3010A	Cry1Ab	ECB SCB SWCB	---		GT LL	20%
Agrisure 3000GT, 3011A	Cry1Ab mCry3A	ECB SCB SWCB	RW	RW	GT LL	20%
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW SB SCB SWCB TAW WBC	---		GT LL	20%
Agrisure Viptera 3111	Cry1Ab Vip3A mCry3A	BCW CEW ECB FAW SB SCB SWCB TAW WBC	RW	RW	GT LL	20%
Agrisure 3120 E-Z Refuge	Cry1Ab Cry1F	BCW ECB FAW SB SCB SWCB WBC	---	FAW, WBC	REFER TO BAG TAG for specific letter code: EZ0 hybrids = GT only EZ1 hybrids = GT LL	5% in bag
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, WBC RW		5% in bag
Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW SB SCB SWCB TAW WBC	---			5% in bag
Agrisure Duracade 5122 E-Z Refuge	Cry1Ab Cry1F mCry3A eCry3.1Ab	BCW ECB FAW SB SWCB WBC	RW	FAW, WBC RW		5% in bag
Agrisure Duracade 5222 E-Z Refuge	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	BCW CEW ECB FAW SB SCB SWCB TAW WBC	RW	RW		5% in bag
HERCULEX						
Herculex 1 (HX1)	Cry1F	BCW ECB FAW SB SCB SWCB WBC	---	FAW, SWCB, WBC	LL RR2 (most)	20%
Herculex RW (HXRW)	Cry34/35Ab1	---	RW	RW		20%
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, SWCB, WBC RW		20%
OPTIMUM						
Intrasect (YHR)	Cry1Ab Cry1F	BCW ECB FAW SB SCB SWCB WBC	---	FAW, WBC	LL RR2	5%
AcreMax (AM)	Cry1Ab Cry1F	BCW ECB FAW SB SCB SWCB WBC	---	FAW, WBC	LL RR2	5% in bag
Leptra (VYHR) ^a AcreMax Leptra (AML) ^b	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW SB SCB SWCB TAW WBC	---		LL RR2	^a 5% ½ mile ^b 5% in bag
AcreMax RW (AMRW)	Cry34/35Ab1	---	RW	RW	LL RR2	10% in bag
AcreMax1 (AM1)	Cry1F Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, SWCB, WBC RW	LL RR2	10% in bag 20% ECB
TRIssect (CHR)	Cry1F mCry3A	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, SWCB, WBC RW	LL RR2	20%
Intrasect TRIssect (CYHR) ^a AcreMax TRIssect (AMT) ^b	Cry1Ab Cry1F mCry3A	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, WBC RW	LL RR2	^a 20% ^b 10% in bag
Intrasect Xtra (YXR) ^a AcreMax Xtra (AMX) ^b	Cry1Ab Cry1F Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, WBC RW	LL RR2	^a 20% ^b 10% in bag
Intrasect Xtreme (CYXR) ^a AcreMax Xtreme (AMXT) ^b	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, WBC RW	LL RR2	^a 5% ^b 5% in bag
YIELDGARD or GENUITY						
YieldGard CB (YGCB)	Cry1Ab	ECB SCB SWCB	---	SCB	RR2	20%
YieldGard VT Rootworm	Cry3Bb1	---	RW	RW	RR2	20%
YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB SCB SWCB	RW	SCB RW	RR2	20%
Genuity VT Double PRO ^a or RIB complete ^b	Cry1A.105 Cry2Ab2	CEW ECB FAW SB SCB SWCB	---	CEW	RR2	^a 5% ^b 5% in bag
Genuity VT Triple PRO ^a or RIB complete ^b	Cry1A.105 Cry2Ab2 Cry3Bb1	CEW ECB FAW SB SCB SWCB	RW	CEW RW	RR2	^a 20% ^b 10% in bag
Genuity SmartStax ^a or RIB Complete ^b	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW SB SCB SWCB WBC	RW	CEW, WBC RW	LL RR2	^a 5% ^b 5% in bag
OTHER						
Powercore ^a Powercore Refuge Adv. ^b	Cry1A.105 Cry2Ab2 Cry1F	BCW CEW ECB FAW SB SCB SWCB WBC	---	CEW, WBC	LL RR2	^a 5% ^b 5% in bag
Smartstax ^a Smartstax Refuge Adv. ^b	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW CEW ECB FAW SB SCB 7SWCB WBC	RW	CEW, WBC RW	LL RR2	^a 5% ^b 5% in bag
Qrome	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW SB SCB SWCB WBC	RW	FAW, WBC RW	LL RR2	5% in bag

Table 2. 2017 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Holland	Black- stone	Mt Holly Dryland	Mt Holly Irrigated	Black- burg	Orange	Shenan- doah	Mean
<108 Days Relative Maturity										
Mid-Atlantic	MA8091	107	---	104	115	103	99	154	102	113
Mid-Atlantic	MA8099	107	---	103	103	91	96	108	85	98
Channel	207-27VT2PRIB	107	---	---	107	86	---	83	---	92
Mid-Atlantic	MA8063	106	---	89	94	85	91	114	81	92
Channel	206-11STXRIB	106	---	---	102	84	---	90	---	92
Doebler's	RPM® 4417AMXT™	104	79	106	106	83	87	77	91	90
Mid-Atlantic	MA8092	107	---	101	100	90	83	84	78	90
Augusta	1156	106	89	---	89	88	---	---	---	89
AXIS	57A25RIB	107	91	---	94	87	---	79	---	88
Mid-Atlantic	MA8034	103	---	112	110	82	66	62	84	86
AXIS	55M25RIB	105	77	---	102	89	---	70	---	84
Pioneer	P0339AM	103	80	98	88	92	78	57	80	82
108-111 Days Relative Maturity										
Dyna-Gro	D50VC30	110	---	---	105	107	---	117	121	113
Channel	209-15VT2PRIB	109	---	---	102	120	---	98	---	107
Pioneer	P1197AM	111	114	100	95	113	109	89	110	105
Doebler's	RPM® 4917AM™	109	101	99	90	95	97	112	116	102
Channel	208-23VT2PRIB	108	---	---	107	100	---	90	---	99
Progeny	PGY 7111VT2P	111	97	100	94	104	99	91	108	99
Seed Consultants	SC 11AQ17™	111	---	---	104	102	110	83	95	99
Augusta	1158	108	97	---	106	93	---	---	---	99
Doebler's	RPM® 5018AM™	110	111	90	97	103	99	90	98	98
NK	N66V-3000GT	110	97	---	93	97	102	---	98	97
Seed Consultants	SC 1094YHR™	109	---	---	102	100	90	---	---	97
Augusta	1059	109	---	---	92	89	---	118	88	97
Mid-Atlantic	MA8107	110	---	104	87	99	89	123	68	95
Augusta	1159	109	---	---	91	99	---	79	108	94
AXIS	60K23RIB	110	99	---	102	99	---	69	---	93
Doebler's	RPM® 4717AM™	108	95	---	88	94	---	---	---	92
Doebler's	RPM® 5125AM™	111	94	100	87	106	94	65	89	91

Table 2. 2017 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Holland	Black-stone	Mt Holly Dryland	Mt Holly Irrigated	Black-burg	Orange	Shenan-doah	Mean
Seed Consultants	SC 10AQ96™	109	---	---	86	91	86	76	98	87
Channel	210-26VT2PRIB	110	---	97	94	86	---	57	80	83
112-115 Days Relative Maturity										
DEKALB	DKC65-20RIB	115	100	109	93	109	112	121	123	110
Dyna-Gro	D54DC94	114	96	---	115	116	---	---	---	109
Channel	213-19VT2PRIB	113	---	96	---	---	---	118	113	109
Dyna-Gro	D54VC52	114	91	93	---	---	106	145	---	109
AXIS	64D25RIB	114	97	---	103	114	---	121	---	109
Doebler's	RPM® 5518AM™	115	100	105	111	115	108	113	98	107
Mid-Atlantic	MA8152	115	---	108	102	110	100	119	99	106
Dyna-Gro	CX17212	112	113	---	106	98	---	---	---	105
Progeny	PGY EXP1715SS	115	104	103	117	110	112	88	103	105
DEKALB	DKC65-94SS	115	104	105	97	112	98	100	117	105
Mid-Atlantic	MA8164	115	---	105	107	103	105	121	86	104
NK	N76A-3000GT	114	109	---	105	102	86	---	117	104
MorCorn	MC 4319	113	---	104	103	103	---	---	---	103
Doebler's	RPM® 5315AMXT™	113	116	---	85	109	---	---	---	103
Progeny	PGY 7215VT3P	115	91	106	109	108	104	104	104	103
Hubner Seed	H4755RC2P	114	103	100	109	102	114	106	89	103
Seed Consultants	SCS 1158YHR™	115	---	---	89	110	98	103	115	103
Mid-Atlantic	MA8157	115	---	111	109	105	91	92	107	103
DEKALB	DKC64-89RIB	114	100	109	104	92	91	109	111	102
AXIS	64K24RIB	114	94	---	106	103	---	104	---	102
Augusta	1165	115	111	---	95	98	---	---	---	101
Channel	215-75VT2PRIB	115	---	101	---	---	---	97	102	100
Channel	212-20VT2PRIB	112	---	106	97	101	---	114	83	100
Augusta	5065	115	106	---	97	104	---	85	107	100
Progeny	PGY 5115VT2P	115	99	86	117	100	115	97	84	100
Seed Consultants	SCS 1131YHR™	113	---	---	83	100	105	105	105	100
Hubner Seed	H6663RCSS	113	95	100	92	92	95	116	106	99
DEKALB	DKC62-20RIB	112	102	97	99	101	98	119	80	99

Table 2. 2017 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Holland	Black-stone	Mt Holly Dryland	Mt Holly Irrigated	Black-burg	Orange	Shenan-doah	Mean
DEKALB	DKC64-35RIB	114	104	97	93	104	100	111	84	99
Dyna-Gro	D52VC91	112	103	96	107	87	98	94	104	98
AXIS	65H25RIB	115	91	---	104	104	---	88	---	97
Seed Consultants	SCS 1136YHR™	113	---	---	83	106	104	69	115	95
Mid-Atlantic	MA8144	114	---	83	97	94	96	118	77	94
Mid-Atlantic	MA5166	115	---	92	89	91	96	93	92	92
Seed Consultants	SCS 1125YHR™	112	---	---	89	99	100	74	99	92
Hubner Seed	H12G624	112	84	99	102	95	94	99	63	91
>115 Days Relative Maturity										
DEKALB	DKC67-44RIB	117	115	107	123	109	111	113	127	115
DEKALB	DKC70-27RIB	120	112	98	111	115	119	120	126	114
Channel	216-36STXRIB	116	---	94	---	---	---	121	122	112
Doebler's	RPM® 5818AM™	118	113	102	90	107	116	120	121	110
Hubner Seed	H4890RC2P	117	114	99	107	108	114	99	128	110
Progeny	PGY 6119VT2P	119	107	101	113	107	99	114	122	109
DEKALB	DKC66-75RIB	116	98	97	106	105	117	121	107	107
DEKALB	DKC67-72RIB	117	100	85	126	102	100	123	110	106
AXIS	66A22RIB	116	100	---	101	108	---	109	---	105
Dyna-Gro	D58VC37	118	---	---	114	108	92	---	---	105
Pioneer	P1637AM	116	100	104	102	106	106	95	114	104
MorCorn	MC 4725	117	---	108	87	108	---	---	---	101
Phoenix	6542A4	116	---	99	105	98	---	---	---	101
NK	N83D-3111	118	107	---	89	95	93	---	106	98
Seed Consultants	SC 11AQ74™	117	---	---	97	100	107	94	90	98
Seed Consultants	SCS 1168YHR™	116	---	---	108	103	112	76	89	98
Progeny	PGY 6116VT2P	116	101	95	93	101	103	84	91	95
Phoenix	7402A3	118	---	101	98	82	---	---	---	94
Channel	217-92STXRIB	117	---	104	---	---	---	68	96	90

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values.

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

Table 3. Two-year Average RELATIVE YIELD* (2016-2017) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Number of Obs. ²	Relative Yield
<108 Days Relative Maturity				
Doebler's	RPM® 4417AMXT™	104	13	92
Pioneer	P0339AM	103	13	90
Channel	207-27VT2PRIB	107	6	89
108-111 Days Relative Maturity				
Pioneer	P1197AM	111	13	102
Doebler's	RPM® 4917AM™	109	13	101
Mid-Atlantic	MA8107	110	9	101
Channel	208-23VT2PRIB	108	6	98
Seed Consultants	SC 11AQ17™	111	9	98
Doebler's	RPM® 5125AM™	111	13	92
112-115 Days Relative Maturity				
Mid-Atlantic	MA8152	115	9	108
AXIS	64K24RIB	114	8	107
AXIS	64D25RIB	114	8	107
Dyna-Gro	D54VC52	114	8	105
Dyna-Gro	D54DC94	114	6	104
Progeny	PGY 5115VT2P	115	13	104
AXIS	65H25RIB	115	8	101
Dyna-Gro	D52VC91	112	13	100
Doebler's	RPM® 5315AMXT™	113	6	100
Seed Consultants	SCS 1136YHR™	113	9	97
Seed Consultants	SCS 1125YHR™	112	9	96
>115 Days Relative Maturity				
AXIS	66A22RIB	116	8	110
Dyna-Gro	D58VC37	118	6	109
DEKALB	DKC67-72RIB	117	13	107
Progeny	PGY 6119VT2P	119	13	105
Phoenix	7402A3	118	9	103
Pioneer	P1637AM	116	13	103
Phoenix	6542A4	116	9	102
Progeny	PGY 6116VT2P	116	13	98

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values. A hybrid does not have to be entered in the same three locations each year.

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

² A higher number of site/year combinations provides a better estimate of hybrid performance than a single site/year location.

Table 4. Three-year Average RELATIVE YIELD* (2015-2017) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	ID	DTM per Co. ¹	Number of Obs. ²	Relative Yield
<108 Days Relative Maturity					
Pioneer	P0339AM	5089	103	20	91
108-111 Days Relative Maturity					
Pioneer	P1197AM	5090	111	20	101
Doebler's	RPM® 5125AM™	9213	111	20	96
112-115 Days Relative Maturity					
Dyna-Gro	D54DC94	4088	114	12	106
AXIS	64K24RIB	1151	114	11	106
AXIS	64D25RIB	1154	114	11	105
Progeny	PGY 5115VT2P	10103	115	20	104
Dyna-Gro	D52VC91	4092	112	19	102
Doebler's	RPM® 5315AMXT™	9206	113	9	101
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	4285	117	20	104
Phoenix	7402A3	3013	118	13	101
Phoenix	6542A4	3005	116	13	100
Progeny	PGY 6116VT2P	10105	116	20	96

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values. A hybrid does not have to be entered in the same three locations each year.

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

² A higher number of site/year combinations provides a better estimate of hybrid performance than a single site/year location.

Table 5. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
AXIS	57A25RIB	107	128	15.8	53.5
Augusta	1156	106	126	15.1	53.9
Pioneer	P0339AM	103	112	15.6	54.2
Doebler's	RPM® 4417AMXT™	104	111	15.4	55.5
AXIS	55M25RIB	105	108	15.0	55.1
	Maturity Average		117	15.4	54.4
	L.S.D. (0.05)		21	0.7	0.7
	C.V.		11	2.9	0.8
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	160	16.9	55.7
Doebler's	RPM® 5018AM™	110	156	15.9	55.1
Doebler's	RPM® 4917AM™	109	142	17.0	54.2
AXIS	60K23RIB	110	139	15.9	53.5
Augusta	1158	108	137	16.7	53.6
NK	N66V-3000GT	110	137	15.7	53.2
Progeny	PGY 7111VT2P	111	136	16.4	56.1
Doebler's	RPM® 4717AM™	108	134	17.2	53.9
Doebler's	RPM® 5125AM™	111	132	17.0	54.8
	Maturity Average		141	16.5	54.5
	L.S.D. (0.05)		21	1.7	1.0
	C.V.		9	6.3	1.1
112-115 Days Relative Maturity					
Doebler's	RPM® 5315AMXT™	113	163	18.7	53.0
Dyna-Gro	CX17212	112	158	18.1	53.4
Augusta	1165	115	156	18.9	53.9
NK	N76A-3000GT	114	154	18.4	49.6
Augusta	5065	115	149	20.0	55.4
Progeny	PGY EXP1715SS	115	147	19.1	55.0
DEKALB	DKC64-35RIB	114	146	16.8	55.8
DEKALB	DKC65-94SS	115	146	18.6	55.1
Hubner Seed	H4755RC2P	114	145	16.7	54.9
Dyna-Gro	D52VC91	112	144	17.9	56.0
DEKALB	DKC62-20RIB	112	144	16.8	54.0
Doebler's	RPM® 5518AM™	115	141	18.4	54.8
DEKALB	DKC65-20RIB	115	141	19.0	55.1
DEKALB	DKC64-89RIB	114	141	16.9	55.4
Progeny	PGY 5115VT2P	115	140	18.4	54.0
AXIS	64D25RIB	114	136	17.0	53.8
Dyna-Gro	D54DC94	114	135	17.7	52.7
Hubner Seed	H6663RCSS	113	134	17.2	54.9
AXIS	64K24RIB	114	132	17.1	54.2

Table 5. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D54VC52	114	128	17.9	54.4
AXIS	65H25RIB	115	128	19.1	54.4
Progeny	PGY 7215VT3P	115	127	18.3	54.5
Hubner Seed	H12G624	112	117	17.7	54.1
	Maturity Average		141	18.0	54.3
	L.S.D. (0.05)		19	1.4	0.9
	C.V.		9	4.9	1.0
>115 Days Relative Maturity					
DEKALB	DKC67-44RIB	117	162	18.3	54.2
Hubner Seed	H4890RC2P	117	160	18.9	54.5
Doebler's	RPM® 5818AM™	118	159	19.1	55.4
DEKALB	DKC70-27RIB	120	157	19.9	53.7
NK	N83D-3111	118	150	21.1	52.2
Progeny	PGY 6119VT2P	119	150	20.2	55.2
Progeny	PGY 6116VT2P	116	142	18.0	53.8
AXIS	66A22RIB	116	141	17.4	53.5
Pioneer	P1637AM	116	140	19.4	53.6
DEKALB	DKC67-72RIB	117	140	16.4	53.8
DEKALB	DKC66-75RIB	116	137	17.4	54.2
	Maturity Average		149	18.7	54.0
	L.S.D. (0.05)		18	2.0	0.9
	C.V.		8	7.4	1.2
	Location Average		141	17.6	54.3

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

² Reported at 15.5% moisture.

Planted April 19, 2017. Harvested September 11, 2017.

Table 6. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Pioneer	P0339AM	103	154	16.1	53.6
Doebler's	RPM® 4417AMXT™	104	141	16.5	54.9
	Maturity Average		147	16.3	54.2
	L.S.D. (0.05)		16	0.3	0.9
	C.V.		8	1.5	1.1
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	169	17.5	53.4
Doebler's	RPM® 4917AM™	109	166	17.6	53.1
Doebler's	RPM® 5125AM™	111	147	17.1	54.5
	Maturity Average		161	17.4	53.7
	L.S.D. (0.05)		13	1.1	0.7
	C.V.		6	5.1	1.1
112-115 Days Relative Maturity					
Doebler's	RPM® 5315AMXT™	113	180	18.8	53.0
Progeny	PGY 5115VT2P	115	169	19.5	53.2
AXIS	64K24RIB	114	169	19.1	53.4
Dyna-Gro	D54DC94	114	169	19.0	52.2
Dyna-Gro	D52VC91	112	167	18.5	55.9
AXIS	64D25RIB	114	166	18.9	52.6
Dyna-Gro	D54VC52	114	161	19.6	53.9
AXIS	65H25RIB	115	160	19.9	53.9
	Maturity Average		167	19.1	53.5
	L.S.D. (0.05)		12	1.0	2.4
	C.V.		7	5.1	4.1
>115 Days Relative Maturity					
Progeny	PGY 6119VT2P	119	171	22.0	53.5
DEKALB	DKC67-72RIB	117	166	18.4	53.0
AXIS	66A22RIB	116	165	18.8	52.6
Progeny	PGY 6116VT2P	116	162	19.3	52.6
Pioneer	P1637AM	116	159	19.5	53.4
	Maturity Average		165	19.6	53.0
	L.S.D. (0.05)		12	1.5	1.2
	C.V.		7	7.2	2.1
	Location Average		163	18.7	53.5

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

² Reported at 15.5% moisture.

Table 7. Three-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA, 2015-2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity			bu/A	%	lb/bu
Pioneer	P0339AM	103	129	16.3	53.2
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	141	19.1	53.1
Doebler's	RPM® 5125AM™	111	130	18.2	54.2
	Maturity Average		136	18.6	53.6
	L.S.D. (0.05)		13	2.3	0.6
	C.V.		10	12.2	1.0
112-115 Days Relative Maturity					
Doebler's	RPM® 5315AMXT™	113	168	20.6	52.3
Progeny	PGY 5115VT2P	115	153	20.8	52.0
AXIS	64K24RIB	114	152	20.6	52.4
Dyna-Gro	D52VC91	112	148	19.3	54.5
Dyna-Gro	D54DC94	114	146	22.0	51.5
AXIS	64D25RIB	114	139	20.1	52.3
	Maturity Average		151	20.6	52.5
	L.S.D. (0.05)		11	2.0	2.0
	C.V.		8	11.0	4.2
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	138	19.6	52.2
Progeny	PGY 6116VT2P	116	137	21.0	51.9
	Maturity Average		137	20.3	52.0
	L.S.D. (0.05)		9	1.7	0.9
	C.V.		7	9.2	1.8
	Location Average		144	19.8	52.7

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

² Reported at 15.5% moisture.

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA8091	107	172	19.3	53.7
Mid-Atlantic	MA8034	103	165	15.9	56.4
Channel	207-27VT2PRIB	107	160	17.3	54.7
Doebler's	RPM® 4417AMXT™	104	159	16.1	56.3
Mid-Atlantic	MA8099	107	154	18.3	55.7
AXIS	55M25RIB	105	153	15.6	55.6
Channel	206-11STXRIB	106	152	15.2	55.4
Mid-Atlantic	MA8092	107	150	16.8	54.4
Mid-Atlantic	MA8063	106	141	14.6	55.5
AXIS	57A25RIB	107	140	16.7	54.2
Channel	204-74VT2PRIB	104	138	14.9	55.6
Augusta	1156	106	134	16.5	55.8
Pioneer	P0339AM	103	131	16.1	55.0
	Maturity Average		150	16.4	55.2
	L.S.D. (0.05)		24	0.8	0.9
	C.V.		9	2.8	1.0
108-111 Days Relative Maturity					
Channel	208-23VT2PRIB	108	161	17.6	55.2
Augusta	1158	108	158	17.5	53.7
Dyna-Gro	D50VC30	110	158	17.1	56.3
Seed Consultants	SC 11AQ17™	111	156	18.5	56.6
AXIS	60K23RIB	110	153	19.4	54.3
Channel	209-15VT2PRIB	109	153	18.3	54.1
Seed Consultants	SC 1094YHR™	109	152	18.0	55.3
Doebler's	RPM® 5018AM™	110	145	17.2	55.9
Pioneer	P1197AM	111	143	17.5	56.6
Progeny	PGY 7111VT2P	111	141	18.1	56.1
Channel	210-26VT2PRIB	110	141	16.0	55.3
NK	N66V-3000GT	110	139	18.3	54.1
Augusta	1059	109	138	17.0	53.8
Augusta	1159	109	136	16.9	56.0
Doebler's	RPM® 4917AM™	109	135	17.2	55.1
Doebler's	RPM® 4717AM™	108	132	17.2	55.4
Doebler's	RPM® 5125AM™	111	130	17.2	55.8
Mid-Atlantic	MA8107	110	129	17.8	55.0
Seed Consultants	SC 10AQ96™	109	128	18.6	55.2
	Maturity Average		144	17.7	55.2
	L.S.D. (0.05)		23	1.1	0.7
	C.V.		11	4.3	0.9

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	175	18.7	54.2
Progeny	PGY EXP1715SS	115	174	21.6	54.8
Dyna-Gro	D54DC94	114	172	19.7	54.0
Doebler's	RPM® 5518AM™	115	166	19.1	54.3
Mid-Atlantic	MA8157	115	163	20.1	53.4
Hubner Seed	H4755RC2P	114	163	18.7	55.1
Progeny	PGY 7215VT3P	115	163	20.3	55.1
Dyna-Gro	D52VC91	112	160	17.9	56.4
Mid-Atlantic	MA8164	115	159	20.0	54.0
AXIS	64K24RIB	114	159	18.3	54.7
Dyna-Gro	CX17212	112	158	19.4	54.5
NK	N76A-3000GT	114	157	19.5	50.9
AXIS	65H25RIB	115	155	20.1	55.2
DEKALB	DKC64-89RIB	114	155	17.6	56.4
AXIS	64D25RIB	114	155	19.7	53.6
MorCorn	MC 4319	113	154	19.7	55.4
Mid-Atlantic	MA8152	115	153	18.9	55.6
Hubner Seed	H12G624	112	152	18.3	54.4
DEKALB	DKC62-20RIB	112	147	17.7	56.2
Mid-Atlantic	MA8144	114	146	18.8	56.0
Augusta	5065	115	146	21.6	54.7
DEKALB	DKC65-94SS	115	145	19.7	54.9
Channel	212-20VT2PRIB	112	145	18.0	55.7
Augusta	1165	115	142	19.9	55.2
DEKALB	DKC64-35RIB	114	139	18.5	55.8
DEKALB	DKC65-20RIB	115	139	20.6	55.1
Hubner Seed	H6663RCSS	113	138	19.7	54.5
Seed Consultants	SCS 1158YHR™	115	133	19.5	54.2
Mid-Atlantic	MA5166	115	133	22.6	52.1
Seed Consultants	SCS 1125YHR™	112	133	19.0	54.5
Doebler's	RPM® 5315AMXT™	113	128	19.3	54.4
Seed Consultants	SCS 1131YHR™	113	124	19.8	54.5
Seed Consultants	SCS 1136YHR™	113	124	19.4	55.3
	Maturity Average		150	19.4	54.7
	L.S.D. (0.05)		23	1.0	1.0
	C.V.		10	3.5	1.2
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	188	20.5	54.6
DEKALB	DKC67-44RIB	117	183	20.4	54.6
Dyna-Gro	D58VC37	118	170	19.3	54.7
Progeny	PGY 6119VT2P	119	169	20.5	54.7

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
DEKALB	DKC70-27RIB	120	166	21.2	54.1
Seed Consultants	SCS 1168YHR™	116	162	19.5	54.2
Hubner Seed	H4890RC2P	117	160	21.1	54.5
DEKALB	DKC66-75RIB	116	159	19.6	54.2
Phoenix	6542A4	116	157	19.7	53.6
Pioneer	P1637AM	116	153	20.5	54.1
AXIS	66A22RIB	116	152	20.8	53.3
Phoenix	7402A3	118	147	22.8	52.0
Seed Consultants	SC 11AQ74™	117	146	22.5	55.3
Progeny	PGY 6116VT2P	116	140	20.3	54.1
Doebler's	RPM® 5818AM™	118	135	21.2	54.3
NK	N83D-3111	118	132	22.5	52.1
MorCorn	MC 4725	117	130	19.6	54.9
	Maturity Average		156	20.7	54.1
	L.S.D. (0.05)		23	1.2	1.8
	C.V.		10	3.8	2.1
	Location Average		150	18.8	54.8

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

² Reported at 15.5% moisture.

Planted April 29, 2017. Harvested September 20, 2017. Population was 25,100 plants/acre.

Table 9. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ²	Moist	Test Wt.
<108 Days Relative Maturity			bu/A	%	lb/bu
Doebler's	RPM® 4417AMXT™	104	126	15.0	54.5
Channel	207-27VT2PRIB	107	123	16.2	52.9
Mid-Atlantic	MA8034	103	122	15.9	53.9
Mid-Atlantic	MA8063	106	109	13.7	52.5
Pioneer	P0339AM	103	104	15.9	53.1
Maturity Average			117	15.3	53.4
L.S.D. (0.05)			11	1.5	1.1
C.V.			7	7.6	1.6
108-111 Days Relative Maturity					
Channel	208-23VT2PRIB	108	125	16.0	53.5
Doebler's	RPM® 4917AM™	109	121	16.4	54.8
Mid-Atlantic	MA8107	110	121	16.8	53.5
Seed Consultants	SC 11AQ17™	111	116	17.5	54.4
Doebler's	RPM® 5125AM™	111	115	16.2	54.9
Pioneer	P1197AM	111	113	16.4	55.2
Maturity Average			119	16.6	54.4
L.S.D. (0.05)			16	0.9	1.0
C.V.			12	4.8	1.6
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	140	17.6	53.4
AXIS	64K24RIB	114	139	18.8	53.8
Dyna-Gro	D52VC91	112	125	17.3	54.4
AXIS	65H25RIB	115	124	19.0	54.5
Dyna-Gro	D54DC94	114	123	19.3	53.3
Mid-Atlantic	MA8152	115	121	17.9	54.8
AXIS	64D25RIB	114	120	19.4	52.6
Seed Consultants	SCS 1125YHR™	112	106	17.4	54.3
Seed Consultants	SCS 1136YHR™	113	101	17.6	55.2
Doebler's	RPM® 5315AMXT™	113	97	17.3	53.1
Maturity Average			120	18.2	53.9
L.S.D. (0.05)			19	1.2	1.2
C.V.			15	6.1	2.0

Table 9. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ²	Moist	Test Wt.
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	142	19.0	53.7
AXIS	66A22RIB	116	141	20.3	52.9
Dyna-Gro	D58VC37	118	140	19.3	54.4
Phoenix	6542A4	116	127	19.5	51.5
Phoenix	7402A3	118	127	22.5	52.2
Pioneer	P1637AM	116	120	19.2	53.9
Progeny	PGY 6119VT2P	119	118	18.6	53.9
Progeny	PGY 6116VT2P	116	111	17.9	53.2
	Maturity Average		128	19.5	53.2
	L.S.D. (0.05)		16	1.2	1.3
	C.V.		12	5.9	2.2
	Location Average		121	17.7	53.7

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

² Reported at 15.5% moisture.

Table 10. Three-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2015-2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity			bu/A	%	lb/bu
Pioneer	P0339AM	103	136	15.5	54.8
108-111 Days Relative Maturity					
Doebler's	RPM® 5125AM™	111	144	16.0	55.4
Pioneer	P1197AM	111	143	16.2	55.7
	Maturity Average		143	16.1	55.6
	L.S.D. (0.05)		10	0.4	0.8
	C.V.		7	2.4	1.4
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	163	17.6	54.9
AXIS	64K24RIB	114	154	18.0	55.0
Dyna-Gro	D54DC94	114	151	18.9	53.7
AXIS	64D25RIB	114	149	19.0	53.4
Dyna-Gro	D52VC91	112	149	17.3	55.8
Doebler's	RPM® 5315AMXT™	113	131	17.1	53.9
	Maturity Average		149	18.0	54.5
	L.S.D. (0.05)		16	0.7	0.9
	C.V.		12	4.6	1.7
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	162	18.6	54.6
Phoenix	6542A4	116	149	19.1	52.2
Phoenix	7402A3	118	148	21.6	53.0
Progeny	PGY 6116VT2P	116	132	18.3	53.8
	Maturity Average		148	19.4	53.4
	L.S.D. (0.05)		13	1.0	0.8
	C.V.		11	5.8	1.7
	Location Average		147	17.9	54.3

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

²Reported at 15.5% moisture.

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA8091	107	219	18.0	54.6
Pioneer	P0339AM	103	196	15.6	54.4
Mid-Atlantic	MA8099	107	195	17.2	54.8
Mid-Atlantic	MA8092	107	192	16.4	52.4
AXIS	55M25RIB	105	189	14.9	56.2
Augusta	1156	106	187	16.1	55.4
AXIS	57A25RIB	107	186	18.4	53.4
Channel	207-27VT2PRIB	107	184	15.5	54.7
Mid-Atlantic	MA8063	106	181	14.7	55.3
Channel	206-11STXRIB	106	180	14.0	54.9
Doebler's	RPM® 4417AMXT™	104	177	16.4	55.7
Mid-Atlantic	MA8034	103	176	14.9	56.5
Channel	204-74VT2PRIB	104	172	15.5	54.9
	Maturity Average		187	16.0	54.8
	L.S.D. (0.05)		25	1.8	1.0
	C.V.		9	7.7	0.9
108-111 Days Relative Maturity					
Channel	209-15VT2PRIB	109	257	17.2	53.4
Pioneer	P1197AM	111	242	17.0	54.3
Dyna-Gro	D50VC30	110	229	16.3	54.0
Doebler's	RPM® 5125AM™	111	227	16.2	54.7
Progeny	PGY 7111VT2P	111	221	16.6	56.1
Doebler's	RPM® 5018AM™	110	220	15.9	54.4
Seed Consultants	SC 11AQ17™	111	217	18.6	54.1
Seed Consultants	SC 1094YHR™	109	214	17.6	53.7
Channel	208-23VT2PRIB	108	213	16.4	55.1
AXIS	60K23RIB	110	213	17.1	53.6
Augusta	1159	109	213	15.9	55.9
Mid-Atlantic	MA8107	110	212	17.1	54.1
NK	N66V-3000GT	110	208	17.0	54.0
Doebler's	RPM® 4917AM™	109	203	17.6	54.7
Doebler's	RPM® 4717AM™	108	201	16.7	55.4
Augusta	1158	108	198	17.0	53.3
Seed Consultants	SC 10AQ96™	109	195	16.3	54.2
Augusta	1059	109	190	15.9	53.1
Channel	210-26VT2PRIB	110	185	16.3	53.5
	Maturity Average		214	16.8	54.3
	L.S.D. (0.05)		19	0.8	0.9
	C.V.		6	3.1	1.0

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity					
Dyna-Gro	D54DC94	114	249	18.8	53.1
Doebler's	RPM® 5518AM™	115	246	18.8	54.1
AXIS	64D25RIB	114	245	18.7	52.2
DEKALB	DKC65-94SS	115	240	18.7	55.0
Mid-Atlantic	MA8152	115	236	19.0	54.3
Progeny	PGY EXP1715SS	115	236	20.4	55.2
Seed Consultants	SCS 1158YHR™	115	236	18.9	54.4
DEKALB	DKC65-20RIB	115	233	19.4	55.2
Doebler's	RPM® 5315AMXT™	113	233	18.3	52.8
Progeny	PGY 7215VT3P	115	231	19.4	54.2
Seed Consultants	SCS 1136YHR™	113	226	18.7	55.1
Mid-Atlantic	MA8157	115	225	19.1	53.1
DEKALB	DKC64-35RIB	114	222	17.5	55.6
Augusta	5065	115	222	19.8	56.3
AXIS	65H25RIB	115	221	18.4	54.4
Mid-Atlantic	MA8164	115	221	19.0	53.5
AXIS	64K24RIB	114	221	18.0	53.7
MorCorn	MC 4319	113	220	18.6	55.0
NK	N76A-3000GT	114	219	17.9	51.2
Hubner Seed	H4755RC2P	114	218	18.4	54.1
Channel	212-20VT2PRIB	112	217	17.3	54.9
DEKALB	DKC62-20RIB	112	215	17.0	54.7
Seed Consultants	SCS 1131YHR™	113	214	18.8	54.3
Progeny	PGY 5115VT2P	115	214	18.3	54.2
Seed Consultants	SCS 1125YHR™	112	212	18.0	53.2
Dyna-Gro	CX17212	112	210	18.5	53.7
Augusta	1165	115	209	18.5	54.6
Hubner Seed	H12G624	112	203	17.4	54.4
Mid-Atlantic	MA8144	114	201	18.4	55.3
Hubner Seed	H6663RCSS	113	196	17.5	54.5
DEKALB	DKC64-89RIB	114	196	17.0	55.5
Mid-Atlantic	MA5166	115	195	20.9	52.8
Dyna-Gro	D52VC91	112	187	16.7	56.1
	Maturity Average		220	18.5	54.3
	L.S.D. (0.05)		32	1.0	1.2
	C.V.		10	3.6	1.5
>115 Days Relative Maturity					
DEKALB	DKC70-27RIB	120	246	19.7	54.1
DEKALB	DKC67-44RIB	117	233	19.7	54.8
Dyna-Gro	D58VC37	118	232	19.1	53.7
AXIS	66A22RIB	116	231	18.2	54.2

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
Hubner Seed	H4890RC2P	117	231	19.9	54.6
MorCorn	MC 4725	117	230	19.2	54.4
Doebler's	RPM® 5818AM™	118	229	20.0	54.4
Progeny	PGY 6119VT2P	119	228	19.4	54.9
Pioneer	P1637AM	116	227	19.4	54.6
DEKALB	DKC66-75RIB	116	224	18.3	54.0
Seed Consultants	SCS 1168YHR™	116	221	18.0	55.4
DEKALB	DKC67-72RIB	117	217	18.9	53.7
Progeny	PGY 6116VT2P	116	216	18.6	53.8
Seed Consultants	SC 11AQ74™	117	213	19.6	53.7
Phoenix	6542A4	116	209	18.3	52.8
NK	N83D-3111	118	203	19.1	52.4
Phoenix	7402A3	118	175	20.3	52.8
	Maturity Average		222	19.2	54.0
	L.S.D. (0.05)		26	0.8	1.2
	C.V.		8	2.8	1.4
	Location Average		214	17.8	54.3

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

² Reported at 15.5% moisture.

Planted April 28, 2017. Harvested September 23-24, 2017.

Table 12. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ²	Moist	Test Wt.
<108 Days Relative Maturity			bu/A	%	lb/bu
Pioneer	P0339AM	103	207	16.4	54.7
Doebler's	RPM® 4417AMXT™	104	204	17.6	55.0
Mid-Atlantic	MA8063	106	194	15.5	55.2
Channel	207-27VT2PRIB	107	187	17.2	54.5
Mid-Atlantic	MA8034	103	186	16.8	54.9
Maturity Average			196	16.7	54.9
L.S.D. (0.05)			14	1.4	1.6
C.V.			7	7.5	2.2
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	234	18.1	54.7
Mid-Atlantic	MA8107	110	221	18.7	53.7
Doebler's	RPM® 4917AM™	109	221	18.4	55.1
Doebler's	RPM® 5125AM™	111	221	17.0	55.1
Seed Consultants	SC 11AQ17™	111	217	20.5	53.4
Channel	208-23VT2PRIB	108	210	17.8	54.1
Maturity Average			221	18.4	54.4
L.S.D. (0.05)			16	0.8	0.9
C.V.			7	3.9	1.6
112-115 Days Relative Maturity					
Dyna-Gro	D54DC94	114	248	20.5	53.4
AXIS	64D25RIB	114	244	19.8	52.6
Doebler's	RPM® 5315AMXT™	113	240	19.1	53.3
Mid-Atlantic	MA8152	115	236	20.7	54.0
Progeny	PGY 5115VT2P	115	236	20.4	52.7
Seed Consultants	SCS 1125YHR™	112	232	18.7	53.4
AXIS	64K24RIB	114	230	20.1	53.8
Seed Consultants	SCS 1136YHR™	113	229	19.4	55.3
AXIS	65H25RIB	115	227	20.0	54.8
Dyna-Gro	D52VC91	112	203	18.9	56.1
Maturity Average			233	19.8	53.9
L.S.D. (0.05)			23	0.8	1.0
C.V.			10	4.0	1.7

Table 12. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ²	Moist	Test Wt.
>115 Days Relative Maturity					
Pioneer	P1637AM	116	236	20.7	54.8
Dyna-Gro	D58VC37	118	235	20.4	53.4
AXIS	66A22RIB	116	231	21.3	53.2
Progeny	PGY 6119VT2P	119	230	21.4	54.5
Progeny	PGY 6116VT2P	116	221	19.6	53.4
Phoenix	6542A4	116	218	20.1	52.3
DEKALB	DKC67-72RIB	117	211	20.0	53.5
Phoenix	7402A3	118	210	23.4	52.8
	Maturity Average		224	20.9	53.5
	L.S.D. (0.05)		16	0.9	1.3
	C.V.		7	3.8	2.0
	Location Average		221	19.3	54.1

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

² Reported at 15.5% moisture.

Table 13. Three-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2015-2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ²	Moist	Test Wt.
<108 Days Relative Maturity			bu/A	%	lb/bu
Pioneer	P0339AM	103	206	16.5	55.4
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	226	17.6	55.1
Doebler's	RPM® 5125AM™	111	223	16.7	55.6
	Maturity Average		224	17.2	55.3
	L.S.D. (0.05)		12	0.6	1.3
	C.V.		6	3.8	2.5
112-115 Days Relative Maturity					
AXIS	64D25RIB	114	247	19.2	53.2
Dyna-Gro	D54DC94	114	241	19.9	54.0
Progeny	PGY 5115VT2P	115	237	19.4	53.7
Doebler's	RPM® 5315AMXT™	113	237	18.9	53.7
AXIS	64K24RIB	114	233	19.2	54.5
Dyna-Gro	D52VC91	112	220	18.4	56.9
	Maturity Average		236	19.2	54.3
	L.S.D. (0.05)		18	0.6	1.1
	C.V.		9	3.8	2.3
>115 Days Relative Maturity					
Phoenix	7402A3	118	221	22.3	53.7
Progeny	PGY 6116VT2P	116	221	19.2	54.2
Phoenix	6542A4	116	220	19.9	52.1
DEKALB	DKC67-72RIB	117	214	19.4	54.3
	Maturity Average		219	20.2	53.6
	L.S.D. (0.05)		12	0.7	0.8
	C.V.		6	3.7	1.5
	Location Average		227	19.0	54.3

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

² Reported at 15.5% moisture.

Table 14. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA8034	103	112	15.8	52.3
Doebler's	RPM® 4417AMXT™	104	106	16.2	53.0
Mid-Atlantic	MA8091	107	105	16.0	51.7
Mid-Atlantic	MA8099	107	104	17.0	53.5
Mid-Atlantic	MA8092	107	102	16.1	50.5
Pioneer	P0339AM	103	99	15.4	51.0
Mid-Atlantic	MA8063	106	89	14.9	50.8
	Maturity Average		102	15.9	51.8
	L.S.D. (0.05)		10	1.8	1.8
	C.V.		6	6.0	1.8
108-111 Days Relative Maturity					
Mid-Atlantic	MA8107	110	104	15.5	51.3
Pioneer	P1197AM	111	101	17.1	51.4
Doebler's	RPM® 5125AM™	111	100	16.3	53.0
Progeny	PGY 7111VT2P	111	100	16.2	53.6
Doebler's	RPM® 4917AM™	109	99	17.2	52.1
Channel	210-26VT2PRIB	110	97	15.4	49.6
Doebler's	RPM® 5018AM™	110	90	15.7	51.7
	Maturity Average		99	16.2	51.8
	L.S.D. (0.05)		12	1.7	1.6
	C.V.		7	6.1	1.8
112-115 Days Relative Maturity					
Mid-Atlantic	MA8157	115	111	17.6	52.0
DEKALB	DKC65-20RIB	115	109	20.1	53.6
DEKALB	DKC64-89RIB	114	109	15.3	53.3
Mid-Atlantic	MA8152	115	108	17.4	53.2
Progeny	PGY 7215VT3P	115	106	18.3	52.8
Channel	212-20VT2PRIB	112	106	16.6	53.3
Mid-Atlantic	MA8164	115	106	18.4	51.5
Doebler's	RPM® 5518AM™	115	105	17.6	51.6
DEKALB	DKC65-94SS	115	105	19.2	52.5
MorCorn	MC 4319	113	105	18.2	53.3
Progeny	PGY EXP1715SS	115	103	16.0	54.3
Channel	215-75VT2PRIB	115	102	15.8	51.5
Hubner Seed	H6663RCSS	113	101	18.4	52.5
Hubner Seed	H4755RC2P	114	100	16.9	52.2
Hubner Seed	H12G624	112	100	18.7	50.4
DEKALB	DKC64-35RIB	114	98	16.9	53.0
DEKALB	DKC62-20RIB	112	97	16.3	53.3
Channel	213-19VT2PRIB	113	97	15.2	52.1
Dyna-Gro	D52VC91	112	96	16.1	53.2

Table 14. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D54VC52	114	93	16.9	52.6
Mid-Atlantic	MA5166	115	93	18.8	50.2
Progeny	PGY 5115VT2P	115	87	16.6	51.4
Mid-Atlantic	MA8144	114	83	15.5	52.4
	Maturity Average		101	17.2	52.4
	L.S.D. (0.05)		12	2.0	1.0
	C.V.		8	7.7	1.3
>115 Days Relative Maturity					
MorCorn	MC 4725	117	108	19.6	52.2
DEKALB	DKC67-44RIB	117	107	16.5	53.6
Channel	217-92STXRIB	117	105	18.9	53.1
Pioneer	P1637AM	116	105	21.0	51.4
Doebler's	RPM® 5818AM™	118	102	21.7	52.4
Phoenix	7402A3	118	102	18.6	51.6
Progeny	PGY 6119VT2P	119	101	18.5	52.5
Phoenix	6542A4	116	99	18.1	49.4
Hubner Seed	H4890RC2P	117	99	17.2	53.9
DEKALB	DKC70-27RIB	120	98	19.1	51.9
DEKALB	DKC66-75RIB	116	97	15.3	52.2
Progeny	PGY 6116VT2P	116	95	17.1	51.2
Channel	216-36STXRIB	116	94	17.3	51.4
DEKALB	DKC67-72RIB	117	85	17.8	51.7
	Maturity Average		100	18.3	52.0
	L.S.D. (0.05)		15	2.3	1.1
	C.V.		10	8.0	1.3
	Location Average		100	17.2	52.2

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

² Reported at 15.5% moisture.

Planted April 18, 2017. Harvested August 31, 2017. Population was 20,140 plants/acre.

Table 15. Two-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Doebler's	RPM® 4417AMXT™	104	120	15.0	55.2
Pioneer	P0339AM	103	113	14.5	53.8
	Maturity Average		116	14.8	54.5
	L.S.D. (0.05)		11	0.4	1.5
	C.V.		7	2.0	2.0
108-111 Days Relative Maturity					
Mid-Atlantic	MA8107	110	123	15.7	53.5
Doebler's	RPM® 4917AM™	109	119	16.6	54.0
Doebler's	RPM® 5125AM™	111	115	15.0	55.8
Pioneer	P1197AM	111	115	16.2	53.8
	Maturity Average		118	15.9	54.3
	L.S.D. (0.05)		9	0.8	1.1
	C.V.		7	4.2	1.8
112-115 Days Relative Maturity					
Mid-Atlantic	MA8152	115	134	17.7	54.1
Dyna-Gro	D52VC91	112	123	16.1	55.9
Dyna-Gro	D54VC52	114	122	17.3	54.8
Progeny	PGY 5115VT2P	115	120	16.9	53.8
	Maturity Average		125	17.0	54.6
	L.S.D. (0.05)		9	1.0	0.8
	C.V.		7	5.4	1.3
>115 Days Relative Maturity					
Progeny	PGY 6119VT2P	119	127	18.7	54.9
Phoenix	7402A3	118	124	19.1	52.8
DEKALB	DKC67-72RIB	117	121	17.4	54.2
Channel	216-36STXRIB	116	120	17.2	54.0
Phoenix	6542A4	116	117	18.5	51.8
Pioneer	P1637AM	116	116	19.5	53.7
Progeny	PGY 6116VT2P	116	115	17.3	53.2
	Maturity Average		120	18.3	53.5
	L.S.D. (0.05)		12	1.3	1.4
	C.V.		9	6.4	2.5
	Location Average		120	17.0	54.1

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

² Reported at 15.5% moisture.

Table 16. Three-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA, 2015-2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Pioneer	P0339AM	103	149	15.4	54.5
108-111 Days Relative Maturity					
Doebler's	RPM® 5125AM™	111	146	15.7	55.8
Pioneer	P1197AM	111	142	16.1	54.9
	Maturity Average		144	15.9	55.4
	L.S.D. (0.05)		15	1.2	1.2
	C.V.		10	7.8	2.1
112-115 Days Relative Maturity					
Dyna-Gro	D52VC91	112	156	16.2	56.5
Progeny	PGY 5115VT2P	115	142	17.0	54.5
	Maturity Average		149	16.6	55.5
	L.S.D. (0.05)		10	0.5	2.1
	C.V.		6	2.8	3.7
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	152	17.5	54.7
Phoenix	7402A3	118	150	18.7	54.1
Phoenix	6542A4	116	148	18.4	52.9
Progeny	PGY 6116VT2P	116	144	17.6	54.0
	Maturity Average		148	18.1	53.9
	L.S.D. (0.05)		15	0.6	1.3
	C.V.		12	3.6	2.7
	Location Average		148	17.0	54.7

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

² Reported at 15.5% moisture.

Table 17. Corn Yields at KENTLAND Farm at BLACKSBURG, VA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu	Lodging³ %
<108 Days Relative Maturity						
Mid-Atlantic	MA8091	107	147	17.4	55.3	4
Mid-Atlantic	MA8099	107	142	17.6	55.9	3
Mid-Atlantic	MA8063	106	134	14.9	56.2	7
Doebler's	RPM® 4417AMXT™	104	128	15.4	55.3	1
Mid-Atlantic	MA8092	107	123	16.8	54.6	4
Pioneer	P0339AM	103	116	15.7	54.7	2
Mid-Atlantic	MA8034	103	97	15.0	56.2	4
	Maturity Average		127	16.1	55.5	4
	L.S.D. (0.05)		17	0.7	1.0	3
	C.V.		8	2.7	1.1	
108-111 Days Relative Maturity						
Seed Consultants	SC 11AQ17™	111	163	16.3	55.4	2
Pioneer	P1197AM	111	161	17.0	55.7	4
NK	N66V-3000GT	110	151	17.1	55.7	9
Doebler's	RPM® 5018AM™	110	146	16.2	55.3	5
Progeny	PGY 7111VT2P	111	146	17.3	56.0	3
Doebler's	RPM® 4917AM™	109	143	16.2	55.3	7
Doebler's	RPM® 5125AM™	111	139	16.7	55.5	2
Seed Consultants	SC 1094YHR™	109	132	16.7	54.4	9
Mid-Atlantic	MA8107	110	132	16.1	54.7	8
Seed Consultants	SC 10AQ96™	109	128	17.4	54.7	6
	Maturity Average		144	16.7	55.3	6
	L.S.D. (0.05)		19	1.0	0.9	8
	C.V.		9	4.2	1.1	
112-115 Days Relative Maturity						
Progeny	PGY 5115VT2P	115	169	18.2	55.3	3
Hubner Seed	H4755RC2P	114	169	17.6	55.1	4
Progeny	PGY EXP1715SS	115	166	19.0	56.1	4
DEKALB	DKC65-20RIB	115	166	20.1	55.7	1
Doebler's	RPM® 5518AM™	115	160	18.8	55.5	6
Dyna-Gro	D54VC52	114	156	18.8	56.3	6
Mid-Atlantic	MA8164	115	155	18.6	54.7	3
Seed Consultants	SCS 1131YHR™	113	154	17.5	56.2	4
Seed Consultants	SCS 1136YHR™	113	154	18.2	56.5	7
Progeny	PGY 7215VT3P	115	154	18.7	55.9	3
DEKALB	DKC64-35RIB	114	148	17.5	56.1	2
Seed Consultants	SCS 1125YHR™	112	148	18.5	55.6	22
Mid-Atlantic	MA8152	115	148	19.4	55.3	1
Seed Consultants	SCS 1158YHR™	115	145	19.1	55.2	0
DEKALB	DKC65-94SS	115	145	18.2	54.8	5
Dyna-Gro	D52VC91	112	144	17.1	56.0	5
DEKALB	DKC62-20RIB	112	144	16.0	55.7	2

Table 17. Corn Yields at KENTLAND Farm at BLACKSBURG, VA in 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu	Lodging ³ %
Mid-Atlantic	MA5166	115	142	20.3	54.7	10
Mid-Atlantic	MA8144	114	142	18.6	55.3	5
Hubner Seed	H6663RCSS	113	140	17.8	55.6	8
Hubner Seed	H12G624	112	139	17.6	54.8	0
Mid-Atlantic	MA8157	115	135	18.3	54.7	7
DEKALB	DKC64-89RIB	114	134	16.8	57.0	5
NK	N76A-3000GT	114	127	17.7	52.2	3
	Maturity Average		149	18.3	55.4	5
	L.S.D. (0.05)		25	1.1	1.3	6
	C.V.		11	3.9	1.5	
>115 Days Relative Maturity						
DEKALB	DKC70-27RIB	120	175	19.6	54.5	6
DEKALB	DKC66-75RIB	116	173	17.5	54.9	2
Doebler's	RPM® 5818AM™	118	171	17.1	55.9	2
Hubner Seed	H4890RC2P	117	168	19.1	55.9	5
Seed Consultants	SCS 1168YHR™	116	165	18.2	54.8	7
DEKALB	DKC67-44RIB	117	164	18.4	55.5	1
Seed Consultants	SC 11AQ74™	117	158	20.1	54.6	7
Pioneer	P1637AM	116	156	18.9	54.1	15
Progeny	PGY 6116VT2P	116	151	19.0	53.8	2
DEKALB	DKC67-72RIB	117	148	18.8	55.1	2
Progeny	PGY 6119VT2P	119	146	20.2	54.0	3
NK	N83D-3111	118	137	19.6	53.8	10
Dyna-Gro	D58VC37	118	136	19.7	54.6	9
	Maturity Average		158	18.9	54.7	6
	L.S.D. (0.05)		19	0.9	1.0	7
	C.V.		8	3.3	1.2	
	Location Average		147	17.8	55.2	5

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

² Reported at 15.5% moisture.

³ Percentage of plants lodged based on the average plant population for the site.

Planted May 17, 2017. Harvested November 2, 2017.

Table 18. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Pioneer	P0339AM	103	137	17.4	53.6
Doebler's	RPM® 4417AMXT™	104	136	16.5	54.6
	Maturity Average		136	17.0	54.1
	L.S.D. (0.05)		36	1.4	2.0
	C.V.		14	4.4	1.4
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	163	17.6	54.9
Seed Consultants	SC 11AQ17™	111	156	18.0	55.2
Doebler's	RPM® 4917AM™	109	142	17.6	53.2
Doebler's	RPM® 5125AM™	111	129	17.2	55.0
	Maturity Average		148	17.6	54.5
	L.S.D. (0.05)		16	0.9	1.0
	C.V.		10	4.8	1.7
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	161	18.5	53.8
Dyna-Gro	D52VC91	112	153	17.9	56.1
Dyna-Gro	D54VC52	114	151	19.2	54.9
Seed Consultants	SCS 1125YHR™	112	146	19.1	53.9
Seed Consultants	SCS 1136YHR™	113	145	18.9	55.7
	Maturity Average		151	18.7	54.9
	L.S.D. (0.05)		19	0.9	1.3
	C.V.		12	4.5	2.1
>115 Days Relative Maturity					
Progeny	PGY 6116VT2P	116	160	19.8	53.6
Progeny	PGY 6119VT2P	119	154	20.4	54.4
Pioneer	P1637AM	116	145	19.0	54.8
	Maturity Average		153	19.7	54.3
	L.S.D. (0.05)		17	0.4	1.1
	C.V.		10	2.1	1.6
	Location Average		148	18.4	54.5

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

² Reported at 15.5% moisture.

**Table 19. Three-year Average Corn Yields at Kentland Farm at
BLACKSBURG, VIRGINIA, 2015-2017 - Virginia Tech Trials.**

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Pioneer	P0339AM	103	169	18.1	54.3
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	196	18.5	54.9
Doebler's	RPM® 5125AM™	111	168	18.2	55.0
	Maturity Average		182	18.3	55.0
	L.S.D. (0.05)		13	0.4	1.1
	C.V.		7	2.4	1.8
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	190	19.4	53.7
Dyna-Gro	D52VC91	112	185	18.8	56.1
	Maturity Average		187	19.1	54.9
	L.S.D. (0.05)		13	0.6	0.5
	C.V.		7	2.8	0.8
>115 Days Relative Maturity					
Progeny	PGY 6116VT2P	116	181	21.2	53.1
	Location Average		181	19.0	54.5

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

² Reported at 15.5% moisture.

**Table 20. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA
in 2017 - Virginia Tech Trials. *NOTE - yields were impacted by poor stands**

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %
<108 Days Relative Maturity				
Mid-Atlantic	MA8091	107	114	14.7
Mid-Atlantic	MA8063	106	84	14.1
Mid-Atlantic	MA8099	107	80	13.9
Channel	206-11STXRIB	106	67	14.2
Mid-Atlantic	MA8092	107	63	12.6
Channel	207-27VT2PRIB	107	62	14.0
AXIS	57A25RIB	107	59	13.8
Doebler's	RPM® 4417AMXT™	104	57	13.3
AXIS	55M25RIB	105	52	13.3
Mid-Atlantic	MA8034	103	46	13.0
Pioneer	P0339AM	103	42	13.2
	Maturity Average		66	13.6
	L.S.D. (0.05)		30	1.3
	C.V.		25	6.4
108-111 Days Relative Maturity				
Mid-Atlantic	MA8107	110	91	14.3
Augusta	1059	109	87	14.2
Dyna-Gro	D50VC30	110	86	13.4
Doebler's	RPM® 4917AM™	109	83	13.5
Channel	209-15VT2PRIB	109	73	14.1
Progeny	PGY 7111VT2P	111	68	14.3
Channel	208-23VT2PRIB	108	67	14.6
Doebler's	RPM® 5018AM™	110	66	13.4
Pioneer	P1197AM	111	66	14.2
Seed Consultants	SC 11AQ17™	111	61	14.0
Augusta	1159	109	59	13.5
Seed Consultants	SC 10AQ96™	109	56	13.8
AXIS	60K23RIB	110	51	13.5
Doebler's	RPM® 5125AM™	111	48	12.5
Channel	210-26VT2PRIB	110	42	13.0
	Maturity Average		67	13.7
	L.S.D. (0.05)		17	1.1
	C.V.		16	5.8
112-115 Days Relative Maturity				
Dyna-Gro	D54VC52	114	107	15.3
Mid-Atlantic	MA8164	115	90	15.6
AXIS	64D25RIB	114	89	16.1
DEKALB	DKC65-20RIB	115	89	14.8
DEKALB	DKC62-20RIB	112	88	14.3
Mid-Atlantic	MA8152	115	88	14.6
Mid-Atlantic	MA8144	114	87	16.3

**Table 20. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA
in 2017 - Virginia Tech Trials. *NOTE - yields were impacted by poor stands**

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %
Channel	213-19VT2PRIB	113	87	14.9
Hubner Seed	H6663RCSS	113	86	14.5
Channel	212-20VT2PRIB	112	84	13.7
Doebler's	RPM® 5518AM™	115	84	14.3
DEKALB	DKC64-35RIB	114	82	16.2
DEKALB	DKC64-89RIB	114	81	14.2
Hubner Seed	H4755RC2P	114	78	13.9
Seed Consultants	SCS 1131YHR™	113	77	15.2
AXIS	64K24RIB	114	77	13.8
Progeny	PGY 7215VT3P	115	77	14.1
Seed Consultants	SCS 1158YHR™	115	76	14.3
DEKALB	DKC65-94SS	115	74	13.9
Hubner Seed	H12G624	112	73	13.7
Progeny	PGY 5115VT2P	115	72	14.4
Channel	215-75VT2PRIB	115	71	14.1
Dyna-Gro	D52VC91	112	69	13.7
Mid-Atlantic	MA5166	115	69	15.0
Mid-Atlantic	MA8157	115	68	14.9
AXIS	65H25RIB	115	65	13.5
Progeny	PGY EXP1715SS	115	65	14.1
Augusta	5065	115	63	15.0
Seed Consultants	SCS 1125YHR™	112	55	13.6
Seed Consultants	SCS 1136YHR™	113	51	13.5
Maturity Average			77	14.5
L.S.D. (0.05)			20	1.4
C.V.			17	6.9
>115 Days Relative Maturity				
DEKALB	DKC67-72RIB	117	91	14.7
DEKALB	DKC66-75RIB	116	90	15.6
Channel	216-36STXRIB	116	89	14.7
Doebler's	RPM® 5818AM™	118	89	14.8
DEKALB	DKC70-27RIB	120	89	14.5
Progeny	PGY 6119VT2P	119	85	16.3
DEKALB	DKC67-44RIB	117	84	14.3
AXIS	66A22RIB	116	81	15.3
Hubner Seed	H4890RC2P	117	73	15.7
Pioneer	P1637AM	116	70	15.5

**Table 20. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA
in 2017 - Virginia Tech Trials. *NOTE - yields were impacted by poor stands**

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %
Seed Consultants	SC 11AQ74™	117	70	17.6
Progeny	PGY 6116VT2P	116	62	13.6
Seed Consultants	SCS 1168YHR™	116	56	13.3
Channel	217-92STXRIB	117	50	13.0
	Maturity Average		77	14.9
	L.S.D. (0.05)		19	1.8
	C.V.		15	8.6
	Location Average		73	14.3

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

² Reported at 15.5% moisture.

Test weights not collected at this site due to mechanical error.

Planted May 3, 2017. Harvested October 23, 2017.

Table 21. Two-Year Average Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2016 and 2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Doebler's	RPM® 4417AMXT™	104	92	14.2	54.4
Pioneer	P0339AM	103	89	13.7	53.8
Channel	207-27VT2PRIB	107	87	14.3	53.8
	Maturity Average		89	14.1	54.0
	L.S.D. (0.05)		26	1.1	3.0
	C.V.		22	6.8	2.0
108-111 Days Relative Maturity					
Doebler's	RPM® 4917AM™	109	113	13.9	55.0
Pioneer	P1197AM	111	110	14.1	54.2
Channel	208-23VT2PRIB	108	109	14.3	53.7
Seed Consultants	SC 11AQ17™	111	106	14.3	56.3
Doebler's	RPM® 5125AM™	111	97	13.6	55.8
	Maturity Average		107	14.0	55.0
	L.S.D. (0.05)		16	0.8	2.0
	C.V.		14	5.5	2.4
112-115 Days Relative Maturity					
Dyna-Gro	D54VC52	114	131	15.2	55.9
Progeny	PGY 5115VT2P	115	123	14.4	56.1
AXIS	64K24RIB	114	122	14.1	54.0
AXIS	64D25RIB	114	120	15.8	54.7
AXIS	65H25RIB	115	113	14.6	56.4
Dyna-Gro	D52VC91	112	109	14.2	57.3
Seed Consultants	SCS 1136YHR™	113	108	14.1	58.0
Seed Consultants	SCS 1125YHR™	112	104	14.3	54.7
	Maturity Average		116	14.6	55.9
	L.S.D. (0.05)		14	0.9	1.8
	C.V.		11	6.0	2.0
>115 Days Relative Maturity					
Pioneer	P1637AM	116	126	15.4	57.1
DEKALB	DKC67-72RIB	117	126	15.0	55.4
Channel	216-36STXRIB	116	121	14.9	56.2
Progeny	PGY 6119VT2P	119	119	15.8	57.0
AXIS	66A22RIB	116	114	15.3	55.8
Progeny	PGY 6116VT2P	116	107	14.4	54.1
	Maturity Average		119	15.1	55.9
	L.S.D. (0.05)		14	1.0	2.1
	C.V.		11	6.6	2.4
	Location Average		111	14.5	55.4

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

² Reported at 15.5% moisture.

Table 22. Three-Year Average Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA, 2015-2017 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Pioneer	P0339AM	103	129	14.3	55.3
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	141	14.5	55.2
Doebler's	RPM® 5125AM™	111	132	13.9	56.2
	Maturity Average		136	14.2	55.7
	L.S.D. (0.05)		15	0.6	1.3
	C.V.		12	4.8	1.8
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	149	15.0	57.6
Dyna-Gro	D52VC91	112	146	14.8	57.9
	Maturity Average		148	14.9	57.8
	L.S.D. (0.05)		14	0.8	3.2
	C.V.		9	5.4	4.0
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	153	15.9	55.9
Progeny	PGY 6116VT2P	116	130	15.2	54.6
	Maturity Average		141	15.5	55.2
	L.S.D. (0.05)		10	0.5	2.4
	C.V.		7	3.7	3.3
	Location Average		140	14.8	56.1

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

² Reported at 15.5% moisture.

Table 23. Corn Yields in ROCKINGHAM COUNTY, VIRGINIA in 2017 (Thanks to Mark Deavers)
- Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu	Lodging ³ %
<108 Days Relative Maturity						
Mid-Atlantic	MA8091	107	128	19.7	55.4	2
Doebler's	RPM® 4417AMXT™	104	114	14.8	56.2	4
Mid-Atlantic	MA8099	107	106	18.1	57.1	2
Mid-Atlantic	MA8034	103	105	13.8	54.2	3
Mid-Atlantic	MA8063	106	101	16.2	56.1	1
Pioneer	P0339AM	103	100	14.9	53.4	3
Mid-Atlantic	MA8092	107	98	17.2	54.8	4
	Maturity Average		107	16.4	55.3	3
	L.S.D. (0.05)		37	3.1	4.9	5
	C.V.		19	10.5	4.0	---
108-111 Days Relative Maturity						
Dyna-Gro	D50VC30	110	152	17.1	56.2	4
Doebler's	RPM® 4917AM™	109	145	16.5	56.2	1
Pioneer	P1197AM	111	138	18.9	55.7	2
Progeny	PGY 7111VT2P	111	135	19.3	55.3	2
Augusta	1159	109	135	16.9	56.8	10
Seed Consultants	SC 10AQ96™	109	123	17.8	55.2	5
NK	N66V-3000GT	110	123	18.6	55.8	3
Doebler's	RPM® 5018AM™	110	122	16.5	56.4	0
Seed Consultants	SC 11AQ17™	111	118	18.1	---	2
Doebler's	RPM® 5125AM™	111	111	15.1	53.8	0
Augusta	1059	109	110	18.2	54.7	11
Channel	210-26VT2PRIB	110	100	16.8	55.3	1
Mid-Atlantic	MA8107	110	84	13.7	59.2	3
	Maturity Average		123	17.2	55.9	3
	L.S.D. (0.05)		31	2.2	3.7	10
	C.V.		13	6.7	3.3	---
112-115 Days Relative Maturity						
DEKALB	DKC65-20RIB	115	154	19.6	55.6	0
NK	N76A-3000GT	114	147	20.4	52.2	3
DEKALB	DKC65-94SS	115	146	20.3	55.4	0
Seed Consultants	SCS 1158YHR™	115	144	21.7	53.5	6
Seed Consultants	SCS 1136YHR™	113	144	18.8	57.1	0
Channel	213-19VT2PRIB	113	141	19.4	55.2	1
DEKALB	DKC64-89RIB	114	139	21.7	54.3	1
Mid-Atlantic	MA8157	115	134	22.3	52.9	0
Augusta	5065	115	133	21.1	56.0	0
Hubner Seed	H6663RCSS	113	133	19.8	53.7	0
Seed Consultants	SCS 1131YHR™	113	132	19.3	55.7	1
Dyna-Gro	D52VC91	112	130	21.8	53.8	3
Progeny	PGY 7215VT3P	115	129	21.0	55.2	0

Table 23. Corn Yields in ROCKINGHAM COUNTY, VIRGINIA in 2017 (Thanks to Mark Deavers)
- Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu	Lodging ³ %
Progeny	PGY EXP1715SS	115	129	21.6	55.0	0
Channel	215-75VT2PRIB	115	128	19.8	54.3	1
T. A. Seeds	TA736-28RIB	113	127	17.4	54.9	0
Seed Consultants	SCS 1125YHR™	112	123	17.2	56.1	0
Mid-Atlantic	MA8152	115	123	19.6	56.3	0
Doebler's	RPM® 5518AM™	115	122	20.9	54.6	2
Mid-Atlantic	MA5166	115	115	21.5	52.8	0
Hubner Seed	H4755RC2P	114	111	19.9	54.4	0
Mid-Atlantic	MA8164	115	107	19.1	54.0	1
Progeny	PGY 5115VT2P	115	105	19.1	54.8	0
DEKALB	DKC64-35RIB	114	105	17.1	54.9	1
Channel	212-20VT2PRIB	112	103	17.3	55.2	0
DEKALB	DKC62-20RIB	112	100	17.7	56.4	2
Mid-Atlantic	MA8144	114	97	18.3	55.1	1
Hubner Seed	H12G624	112	79	18.2	53.3	0
	Maturity Average		124	19.7	54.7	1
	L.S.D. (0.05)		31	3.4	2.2	4
	C.V.		17	11.4	2.5	---
>115 Days Relative Maturity						
Hubner Seed	H4890RC2P	117	160	20.7	55.2	1
DEKALB	DKC67-44RIB	117	159	21.0	55.2	0
DEKALB	DKC70-27RIB	120	158	24.4	54.2	0
Channel	216-36STXRIB	116	152	19.9	55.4	0
Progeny	PGY 6119VT2P	119	152	24.5	52.7	1
Doebler's	RPM® 5818AM™	118	152	21.0	55.3	0
DEKALB	DKC66-75RIB	116	145	19.8	54.9	0
Pioneer	P1637AM	116	143	20.5	55.2	0
DEKALB	DKC67-72RIB	117	137	22.7	53.9	1
T. A. Seeds	TA758-28RIB	116	133	19.4	54.7	0
NK	N83D-3111	118	133	22.1	52.5	0
AXIS	66P56RIB	116	126	20.6	55.4	0
AXIS	66T27RIB	116	121	24.1	51.7	4
Channel	217-92STXRIB	117	120	21.0	53.4	1
Progeny	PGY 6116VT2P	116	114	24.8	51.5	0

Table 23. Corn Yields in ROCKINGHAM COUNTY, VIRGINIA in 2017 (Thanks to Mark Deavers)
- Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu	Lodging³ %
Seed Consultants	SC 11AQ74™	117	112	23.2	53.4	2
Seed Consultants	SCS 1168YHR™	116	111	19.3	55.1	0
AXIS	66N51	116	110	19.3	54.5	2
	Maturity Average		136	21.6	54.1	1
	L.S.D. (0.05)		28	3.3	1.7	3
	C.V.		13	9.9	1.9	---
	Location Average		125	19.4	54.8	2

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

² Reported at 15.5% moisture.

³ Percentage of plants lodged based on the average plant population for the site.

Planted May 2, 2017. Harvested October 6, 2017. Population was 18,760 plants/acre.

Note: The Shenandoah Valley site was abandoned in 2016 thereby causing a lack of 2- and 3-year data.



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