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VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2016

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Companies Participating in the 2016 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed Corporation	Augusta	PO Box 899, Verona, VA 24482
Crop Production Services	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens Church, VA 23148-0409
Doeblers PA Hybrids, Inc.	Doeblers® and RPM®	202 Tiadaghton Ave., Jersey Shore, PA 17740
Dupont Pioneer	Pioneer	59 Greif Parkway Suite 200, Delaware, OH 43015
Meherrin Agricultural & Chemical Co.	Phoenix	413 Main St., Severn, NC 27877
Mid-Atlantic Seeds, Inc.	Mid-Atlantic Seeds	204 St. Charles Way #163E, York, PA 17403
Monsanto	Channel and Dekalb	800 N Lindbergh Blvd, St Louis, MO 63167
NuTech Seed LLC	NuTech\G2 Genetics	2321 North Loop Dr. Suite 230, Ames, IA 50010
Progeny Ag Products	Progeny	1529 Hwy 193, Wynne, AR 72396
Seed Consultants, Inc.	Seed Consultants	648 Miami Trace Rd., Washington Court House, OH 43160
Syngenta Seeds	NK	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds LLC	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 2016. 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 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.

2016 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm
Planted: April 28, 2016 no-till into killed cereal cover
Harvested: October 4, 2016
Population: 22,450 plants/acre
Pesticide: 2 qt glyphosate + 1 pt Atrazine 4L + 3.5 qt Lexar EZ + 1 qt/100 gal Induce April 26, 2016; 5 lb Force® 3G at planting; .9 oz Accent Q + .5 pt Banvel + 1 qt/100 gal Induce June 9, 2016
Fertilizer: 30-40-60 pre-plant incorporated April 27, 2016; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 120 lb N as UAN June 16, 2016
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 15, 2016 no-till into soybean stubble
Harvested: September 7, 2016
Population: 23,500 plants/acre
Pesticide: 2 qt Buccaneer® + 4 qt Lexar® April 15, 2016; 5 lb Force® 3G at planting
Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 13, 2016; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 lb N top-dressed using UAN May 23, 2016
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Sandy loam
Previous crop: Soybean
Cooperator: Ned Jones

Holland Tidewater Agricultural Research & Extension Center
Planted: April 15, 2016 no-till after cotton into low-growth cover
Harvested: August 31, 2016
Population: 28,650 plants/acre
Pesticide: 28 oz Roundup March 18, 2016; 4 pt Bicep® + 2 pt Princep April 14, 2016; 5 lb Force® 3G at planting
Fertilizer: 283 lb 8-21-32 April 8, 2016; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 150 units N using 24-0-0-3 May 25, 2016
Plot Size: 2 rows 35' x 30" 4 replications
Previous crop: Cotton
Cooperator: Karl Jones

Mt Holly (dryland) Virginia Crop Improvement Association Foundation Seed Farm
Planted: April 20, 2016 no-till into soybean stubble
Harvested: September 12-13, 2016
Population: 23,100 plants/acre
Pesticide: Acuron® + atrazine + Princep® pre-plant; 5 lb Force® 3G at planting; dicamba post-plant
Fertilizer: 60-30-40 + 1.25 ton lime pre-plant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 lb N side-dressed
Soil Type: State fine sandy loam
Previous crop: Soybean
Cooperator: Phillip Browning

Mt Holly (irrigated) Virginia Crop Improvement Association Foundation Seed Farm
Planted: April 19-20, 2016 no-till into soybean stubble
Harvested: September 13-16, 2016
Population: 28,750 plants/acre
Pesticide: Acuron® + atrazine + Princep® pre-plant; 5 lb Force® 3G at planting; dicamba post-plant
Fertilizer: 60-30-40 + 1.25 ton lime pre-plant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 140 lb N fertigated
Irrigation: 8" 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: April 27, 2016 no-till into corn stubble
Harvested: September 22, 2016
Population: 22,950 plants/acre
Pesticide: 3 qt Acuron® + 1 pt Atrazine + 2 qt Gramaxone® April 25, 2016; 5 lb Force® 3G at planting
Fertilizer: 40-100-60 April 25, 2016; 60 lb liquid N side-dressed June 7, 2016
Plot Size: 2 rows 30' x 30" 4 replications
Previous crop: corn
Cooperators: Steve Gulick

Shenandoah Valley (Thanks to Mark Deavers)
Planted: April 21, 2016 no-till into killed green cover
Harvested: abandoned
Pesticide: 5 lb Force® 3G at planting
Fertilizer:
Plot Size: 2 rows 25' x 30" 4 replications
Previous crop: Soybeans
Cooperators: Doug Horn and Mark Deavers

Table 1. List of hybrids in the 2016 Virginia Corn Hybrid & Management Trials

Company	Brand	Hybrid	DTM per Co.[1]	Insecticide	Genetics
Augusta Seed	Augusta	A2956GT3111	106	CruiserMaxx® 250	Agrisure Viptera 3111
Augusta Seed	Augusta	A5457GT	107	CruiserMaxx® 1250	Agrisure 3000GT
Augusta Seed	Augusta	A1108VT2ProRIB	108	CruiserMaxx® 250	Genuity VT Double PRO
Augusta Seed	Augusta	A4959GT3110	109	CruiserMaxx® 1250	Agrisure Viptera 3110
Augusta Seed	Augusta	A5062GT3110	112	Acceleron® 500/VOTiVO®	Agrisure Viptera 3110
Augusta Seed	Augusta	A1564GTCBLL	114	Acceleron® 500/VOTiVO®	Agrisure GT/CB/LL
Augusta Seed	Augusta	A6664VT2Pro	114	CruiserMaxx® 250	Genuity VT Double PRO
Augusta Seed	Augusta	A6465VT2Pro	115	Acceleron® 250	Genuity VT Double PRO DG
Augusta Seed	Augusta	A1565GTCBLL	115	Acceleron® 500/VOTiVO®	Agrisure GT/CB/LL
Augusta Seed	Augusta	A7766VT2Pro	116	CruiserMaxx® 250	Genuity VT Double PRO
Augusta Seed	Augusta	A7768GT3110	118	CruiserMaxx® 1250	Agrisure Viptera 3110
Crop Production Services	Dyna-Gro	D49VC39	109	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Crop Production Services	Dyna-Gro	D52VC91	112	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Crop Production Services	Dyna-Gro	D54DC94	114	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Crop Production Services	Dyna-Gro	D54VC52	114	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Crop Production Services	Dyna-Gro	D57VP51	117	Poncho® 500/VOTiVO®	YieldGard VT Triple
Crop Production Services	Dyna-Gro	D58VC37	118	Poncho® 500/VOTiVO®	Genuity VT Double PRO
Doebler's PA Hybrids Inc	Doebler's	RPM® 4717AMX™	107	Poncho® 1250/VOTiVO®	Optimum AcreMax Xtra
Doebler's PA Hybrids Inc	Doebler's	RPM® 4816AM™	108	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's PA Hybrids Inc	Doebler's	RPM® 4917AM™	109	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's PA Hybrids Inc	Doebler's	RPM® 5015AM™	110	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's PA Hybrids Inc	Doebler's	RPM® 5125AM™	111	Poncho® 1250/VOTiVO®	Optimum AcreMax
Doebler's PA Hybrids Inc	Doebler's	RPM® 5315AMXT™	113	Poncho® 1250/VOTiVO®	Optimum AcreMax XTreme
Doebler's PA Hybrids Inc	Doebler's	5615GRQ™	116	Poncho® 1250/VOTiVO®	Agrisure 3000GT
Doebler's PA Hybrids Inc	Doebler's	5815GRQ™	118	Poncho® 1250/VOTiVO®	Agrisure 3000GT
Dupont Pioneer	Pioneer	P0339AM	103	Poncho® 1250/VOTiVO®	Optimum AcreMax
Dupont Pioneer	Pioneer	P0843AM	108	Poncho® 1250/VOTiVO®	Optimum AcreMax
Dupont Pioneer	Pioneer	P1197AM	111	Poncho® 1250/VOTiVO®	Optimum AcreMax
Dupont Pioneer	Pioneer	P1637AM	116	Poncho® 1250/VOTiVO®	Optimum AcreMax
Meherrin	Phoenix	5352A4	107	Avicta® Complete 500	Agrisure Viptera 3111
Meherrin	Phoenix	6542A4	116	Avicta® Complete 500	Agrisure Viptera 3111
Meherrin	Phoenix	7402A3	118	Avicta® Complete 500	Agrisure 3000GT
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MAX8006DGVT2PRIB	98	Acceleron® 250	Genuity VT Double PRO Rib Complete DG
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA5001GT3VIP	99	CruiserMaxx® 250	Agrisure Viptera 3111

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Company	Brand	Hybrid	DTM per Co.[1]	Insecticide	Genetics
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8065SS	106	Acceleron® 250	Genuity SmartStax RIB Complete
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8086VT2P	108	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8107VT2P	110	Acceleron® 250	Genuity VT Double PRO
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8116DGVT2P	111	Acceleron® 250	Genuity VT Double PRO DG
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8147SSRIB	114	Acceleron® 250	Genuity SmartStax RIB Complete
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8167VT3P	115	Acceleron® 250	Genuity VT Triple PRO
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MAX8159SS	115	Acceleron® 250	Genuity SmartStax RIB Complete
Mid-Atlantic Seeds, Inc	Mid-Atlantic	MA8152VT2P	115	Acceleron® 250	Genuity VT Double PRO
Monsanto	Channel	206-30STXRIB	106	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	Channel	207-27VT2PRIB	107	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	Channel	208-23VT2PRIB	108	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	Channel	210-26STXRIB	110	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	Channel	211-33VT2PRIB	111	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	Channel	215-05STXRIB	115	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	Channel	216-36STXRIB	116	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	Channel	217-41STXRIB	117	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	Channel	217-92VT2PRIB	117	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	DEKALB	DKC58-06RIB	108	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	DEKALB	DKC60-67RIB	110	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	DEKALB	DKC61-88RIB	111	Acceleron® 500/VOTiVO®	Genuity VT Triple PRO RIB Complete
Monsanto	DEKALB	DKC64-87RIB	114	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	DEKALB	DKC65-19RIB	115	Acceleron® 500/VOTiVO®	Genuity VT Triple PRO RIB Complete
Monsanto	DEKALB	DKC65-71RIB	115	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	DEKALB	DKC66-40RIB	116	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Monsanto	DEKALB	DKC66-59RIB	116	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
Monsanto	DEKALB	DKC67-72RIB	117	Acceleron® 500/VOTiVO®	Genuity VT Double PRO RIB Complete
NuTech Seed LLC	NuTech/G2 Genetics	5F-709	109	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-510	110	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-710	110	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	X5Z-1001	110	Poncho® 1250/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-811	111	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-113	113	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-713	113	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5F-515	115	Poncho® 500/VOTiVO®	Optimum AcreMax

Table 1. List of hybrids in the 2016 Virginia Corn Hybrid & Management Trials

Company	Brand	Hybrid	DTM per Co.[1]	Insecticide	Genetics
NuTech Seed LLC	NuTech/G2 Genetics	5F-015	115	Poncho® 500/VOTiVO®	Optimum AcreMax
NuTech Seed LLC	NuTech/G2 Genetics	5H-216	116	Poncho® 500/VOTiVO®	Herculex 1
NuTech Seed LLC	NuTech/G2 Genetics	5H-418	118	Poncho® 500/VOTiVO®	Herculex 1
Progeny Ag Products	Progeny	PGY 4114VT2P	114	Acceleron® 500/VOTiVO®	Genuity VT Double PRO
Progeny Ag Products	Progeny	PGY 5115VT2P	115	Acceleron® 500/VOTiVO®	Genuity VT Double PRO
Progeny Ag Products	Progeny	PGY EXP 1615VT2P	115	Acceleron® 500/VOTiVO®	Genuity VT Double PRO
Progeny Ag Products	Progeny	PGY 6116VT2P	116	Acceleron® 500/VOTiVO®	Genuity VT Double PRO
Progeny Ag Products	Progeny	PGY 4117VT3P	117	Acceleron® 500/VOTiVO®	Genuity VT Triple PRO
Progeny Ag Products	Progeny	PGY 6119VT2P	119	Acceleron® 500/VOTiVO®	Genuity VT Double PRO
Seed Consultants Inc	Seed Consultants	SC 10AGT96™	108	Poncho®500/VOTIVO® + Raxil®	Agrisure GT/CB/LL
Seed Consultants Inc	Seed Consultants	SC 11AQ17™	110	Avicta® Complete 500 + Vibrance	Agrisure 3000GT
Seed Consultants Inc	Seed Consultants	SC 11AQ15™	111	Poncho® 500/VOTiVO® + Raxil®	Agrisure 3000GT
Seed Consultants Inc	Seed Consultants	SCS 1125YHR™	111	Poncho® 500/VOTiVO® + Raxil®	Optimum Intrasect
Seed Consultants Inc	Seed Consultants	SCS 1136YHR™	112	Poncho® 1250/VOTiVO® + Raxil®	Optimum Intrasect
Seed Consultants Inc	Seed Consultants	SCS 11HR63™	115	CruiserExtreme® 250	Herculex 1
Seed Consultants Inc	Seed Consultants	SC 11AGT74™	116	Poncho®1250/VOTIVO®	Agrisure GT/CB/LL
Seed Consultants Inc	Seed Consultants	SCS 1187YHR™	118	CruiserExtreme® 250	Optimum Intrasect
Syngenta	NK	N59B-3111A	109	Avicta® Complete 500 + Vibrance	Agrisure Viptera 3111
Syngenta	NK	N69D-3000GT	112	Avicta® Complete 500 + Vibrance	Agrisure 3000GT
Syngenta	NK	N74L-3010	114	Avicta® Complete 500 + Vibrance	Agrisure Viptera 3010
Syngenta	NK	N83D-3000GT	118	Avicta® Complete 500 + Vibrance	Agrisure 3000GT
T. A. Seeds	T. A. Seeds	TA667-31	111	CruiserMaxx® 250	Agrisure Viptera 3111
T. A. Seeds	T. A. Seeds	TA736-22DPRIB	113	CruiserMaxx® 250	Genuity VT Double PRO RIB Complete
T. A. Seeds	T. A. Seeds	TA767-22DPRIB	116	CruiserMaxx® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	53A25RIB	103	Acceleron® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	56Z50RIB	106	Acceleron® 500/VOTiVO®	Genuity SmartStax RIB Complete
Tidewater Seed, LLC	AXIS	62M25RIB	112	Acceleron® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	64K24RIB	114	Acceleron® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	64D25RIB	114	Acceleron® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	65H25RIB	115	Acceleron® 250	Genuity VT Double PRO RIB Complete
Tidewater Seed, LLC	AXIS	66A22RIB	116	Acceleron® 250	Genuity VT Double PRO RIB Complete

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

Hybrids are arranged by Company, then days to maturity.

University of Wisconsin–Extension

Handy Bt Trait Table

Updated October 29, 2012

The most up-to-date version of this bulletin is posted at:
http://labs.russell.wisc.edu/cullenlab/extension/extension-publications/

MSU Field Crops Entomology Program

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

More corn hybrids contain multiple transgenic traits, and cost of this seed is steadily rising - $300 or more per bag is not uncommon. Meanwhile, refuge requirements are changing for multi-trait corn. Some refuges remain 20% and 'structured', planted in a block or series of rows. Others are reduced to 5% or 10%, in a block or 'in the bag' mixed with the Bt seed itself.

Different products from different seed companies now have different refuges

Purchasing the right transgenic hybrid for the right pest, and planting it with the correct refuge in the proper location, is critical to maximizing profitability and delaying resistance. But this process is increasingly confusing. The table on the second page of this bulletin summarizes, to the best of our ability, the currently available Bt traits and their spectrum of control. The table also gives refuge percentages and locations. We make every attempt to provide the correct information for each Bt option and update the table promptly as changes occur.

However, it is still important for you to take the following steps:
*Understand the *terminology* used by your seed company
*Understand the *biology* of each trait, the expected level of control, and refuge requirements.
**Confirm that the seed ordered* in late fall is the seed shipped the following spring.
*Keep good *planting records*.
*For herbicide applications, *Ask Twice-Spray Once*, especially if you hire a custom applicator.
*Save a representative sample of *bag tags* = the first thing to check if something goes wrong.
*Most important, if you see unexpected damage or poor performance of a trait during the field season, contact your seed dealer or county extension educator promptly so that the field can be visited while the problem is still visible and fresh sampled can be taken.

Abbreviations used on page 2:

Insect targets

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

Herbicide traits

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

Current October 29, 2012	Bt protein(s)	Insects controlled (bold) or *suppressed (italics)* *Above-ground ---------- In soil*		Herbicide tolerance	Refuge %, location In the MIDWEST
Agrisure products					
1-Agrisure CB/LL	Cry1Ab	**ECB** *CEW FAW SB*	---	LL	20% within ½ mile
2-Agrisure GT/CB/LL	Cry1Ab	**ECB** *CEW FAW SB*	---	GT LL	20% within ½ mile
3-Agrisure RW	mCry3A	---	**CRW**	--	20% in field/adjacent
4-Agrisure GT/RW	mCry3A	---	**CRW**	GT	20% in field/adjacent
5-Agrisure CB/LL/RW	Cry1Ab mCry3A	**ECB** *CEW FAW SB*	**CRW**	LL	20% in field/adjacent
6-Agrisure 3000GT	Cry1Ab mCry3A	**ECB** *CEW FAW SB*	**CRW**	GT LL	20% in field/adjacent
7-Agrisure Artesian 4011	Cry1Ab mCry3A	**ECB** *CEW, FAW, SB*	**CRW**	GT LL	20% in field/adjacent
8-Agrisure Viptera 3110	Cry1Ab Vip3A	**BCW CEW ECB FAW WBC SB**	---	GT LL	20% within ½ mile
9-Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	**BCW CEW ECB FAW WBC SB**	**CRW**	GT LL	20% in field/adjacent
10-Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	GT	5% **in the bag**
11-Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	**BCW CEW ECB FAW WBC SB**	---	GT	5% **in the bag**
Herculex products					
12-Herculex 1 (HX1)	Cry1F	**BCW ECB FAW WBC** *CEW SB*	---	LL RR2 (some)	20% within ½ mile
13-Herculex RW (HXRW)	Cry34/35Ab1	---	**CRW**	LL RR2 (some)	20% in field/adjacent
14-Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2 (some)	20% in field/adjacent
Optimum products					
15-Optimum (AM-R) AcreMax	Cry1F Cry1Ab	**BCW ECB FAW WBC** *CEW SB*	---	RR2	5% ***in the bag***
16-Optimum (AMRW-R) AcreMax Rootworm	Cry34/35Ab1	---	**CRW**	RR2	10% ***in the bag***
17-Optimum (AM1) AcreMax1	Cry1F Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	10% ***in the bag*** (CRW) 20% -½ mile (ECB)
18-Optimum (AMX-R) AcreMax Xtra	Cry1F Cry1Ab Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	RR2	10% ***in the bag***
19-Optimum (AMXT-R) AcreMax Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	RR2	5% ***in the bag***
20-Optimum Intrasect	Cry1F Cry1Ab	**BCW ECB FAW WBC** *CEW SB*	---	LL RR2	5% within ½ mile
21-Optimum Intrasect Xtra	Cry1F Cry1Ab Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	20% in field/adjacent
22-Optimum Intrasect Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	5% in field/adjacent
23-Optimum TRIsect	Cry1F mCry3A	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	20% in field/adjacent
YieldGard products					
24-YGCB	Cry1Ab	**ECB** *CEW FAW SB*	---	RR2 (some)	20% within ½ mile
25-YGRW	Cry3Bb1	---	**CRW**	RR2 (some)	20% in field/adjacent
26-YieldGard Plus	Cry1Ab Cry3Bb1	**ECB** *CEW FAW SB*	**CRW**	RR2 (some)	20% in field/adjacent
27-YieldGard VTRW	Cry3Bb1	---	**CRW**	RR2	20% in field/adjacent
28-YieldGard VT Triple	Cry1Ab Cry3Bb1	**ECB** *CEW FAW SB*	**CRW**	RR2	20% in field/adjacent
Genuity / SmartStax products					
29-Genuity VT Double PRO	Cry1A.105 Cry2Ab2	**CEW ECB FAW**	---	RR2	5% within ½ mile
30-Genuity VT Double PRO RIB Complete	Cry1A.105 Cry2Ab2	**CEW ECB FAW**	---	RR2	5% ***in the bag***
31-Genuity VT Triple PRO RIB Complete	Cry1A.105 Cry2Ab2 Cry3Bb1	**CEW ECB FAW**	**CRW**	RR2	10% **in the bag**
32-SmartStax (Dow) or Genuity SmartStax (Monsanto)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	**BCW CEW ECB FAW WBC** *SB*	**CRW**	LL RR2	5% in field/adjacent

Table 2. 2016 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	Mean
<108 Days Relative Maturity									
Phoenix	5352A4	107	100	103	95	107	108	99	102
Pioneer	P0339AM	103	100	88	98	99	102	94	97
Doebler's	RPM® 4717AMX™	107	92	93	106	100	99	83	95
Channel	206-30STXRIB	106	---	---	111	77	---	93	94
AXIS	53A25RIB	103	103	---	82	86	---	92	91
Mid-Atlantic	MA8065SS	106	---	91	80	93	---	---	88
AXIS	56Z50RIB	106	100	---	81	86	---	85	88
Channel	207-27VT2PRIB	107	---	---	98	84	---	79	87
108-111 Days Relative Maturity									
Mid-Atlantic	MA8107VT2P	110	---	98	127	103	---	---	109
NuTech/G2 Genetic	5F-811	111	94	---	123	103	---	---	107
Pioneer	P0843AM	108	96	97	123	98	100	110	104
Doebler's	RPM® 4917AM™	109	102	104	117	106	95	94	103
DEKALB	DKC61-88RIB	111	105	105	101	110	88	103	102
Mid-Atlantic	MA8116DGVT2P	111	---	101	108	96	---	---	102
NuTech/G2 Genetic	X5Z-1001	110	100	107	115	98	96	95	102
Channel	211-33VT2PRIB	111	---	96	114	97	---	98	101
NuTech/G2 Genetic	5F-709	109	96	101	114	101	95	94	100
NuTech/G2 Genetic	5F-710	110	88	98	114	100	---	---	100
Seed Consultants	SCS 1125YHR™	111	---	---	81	112	97	106	99
Pioneer	P1197AM	111	95	96	83	101	112	107	99
Doebler's	RPM® 5015AM™	110	84	90	122	100	89	99	97
Channel	208-23VT2PRIB	108	---	---	101	93	---	98	97
DEKALB	DKC60-67RIB	110	96	91	107	95	98	96	97
Seed Consultants	SC 11AQ15™	111	---	---	103	99	92	92	96
Seed Consultants	SC 10AGT96™	108	---	---	104	97	85	---	95
Seed Consultants	SC 11AQ17™	110	---	---	86	97	100	97	95
Doebler's	RPM® 4816AM™	108	101	---	81	99	---	---	94
Dyna-Gro	D49VC39	109	---	---	84	104	---	91	93
Doebler's	RPM® 5125AM™	111	90	91	109	95	81	93	93

Table 2. 2016 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	Mean
Channel	210-26STXRIB	110	---	100	92	81	---	95	92
Mid-Atlantic	MA8086VT2P	108	---	85	94	91	---	---	90
DEKALB	DKC58-06RIB	108	98	99	74	86	95	82	89
112-115 Days Relative Maturity									
AXIS	64K24RIB	114	106	---	128	107	---	109	112
Augusta	A6465VT2Pro	115	112	---	105	111	116	---	111
Mid-Atlantic	MA8152VT2P	115	---	115	111	105	---	---	110
Progeny	PGY 5115VT2P	115	103	110	120	113	104	112	110
AXIS	65H25RIB	115	104	---	106	104	---	112	106
Mid-Atlantic	MA8167VT3P	115	---	104	110	100	---	---	105
AXIS	64D25RIB	114	101	---	98	108	---	106	103
Dyna-Gro	D54VC52	114	100	108	---	---	99	104	103
NuTech/G2 Genetic	5F-515	115	97	101	107	105	91	112	102
Dyna-Gro	D52VC91	112	106	107	89	97	109	104	102
DEKALB	DKC65-19RIB	115	108	98	106	99	96	103	102
Mid-Atlantic	MA8147SSRIB	114	---	113	95	93	---	---	100
Dyna-Gro	D54DC94	114	104	---	83	110	---	---	99
NuTech/G2 Genetic	5F-015	115	107	108	72	107	---	---	99
Seed Consultants	SCS 11HR63™	115	---	---	71	105	102	116	98
DEKALB	DKC65-71RIB	115	98	103	110	100	92	85	98
Seed Consultants	SCS 1136YHR™	112	---	---	80	103	91	115	98
Mid-Atlantic	MAX8159SS	115	---	93	94	103	---	---	96
NuTech/G2 Genetic	5F-713	113	99	102	68	106	94	108	96
Progeny	PGY 4114VT2P	114	100	91	77	99	102	97	94
DEKALB	DKC64-87RIB	114	106	95	82	100	81	102	94
Doebler's	RPM® 5315AMXT™	113	105	---	63	110	---	---	93
AXIS	62M25RIB	112	100	---	74	93	---	94	90
Progeny	PGY EXP 1615VT2P	115	89	88	90	81	99	80	88
>115 Days Relative Maturity									
AXIS	66A22RIB	116	99	---	148	102	---	110	115
Dyna-Gro	D58VC37	118	107	---	125	106	---	---	112

Table 2. 2016 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	Mean
Seed Consultants	SCS 1187YHR™	118	---	---	92	110	123	114	109
DEKALB	DKC67-72RIB	117	103	106	121	91	118	106	107
Phoenix	7402A3	118	111	105	122	105	99	103	107
DEKALB	DKC66-59RIB	116	105	108	93	106	108	107	104
NuTech/G2 Genetic	5H-216	116	---	121	84	108	---	---	104
DEKALB	DKC66-40RIB	116	92	98	120	102	104	100	103
Phoenix	6542A4	116	103	100	111	101	99	103	103
Doebler's	5815GRQ™	118	102	100	109	99	100	104	103
Pioneer	P1637AM	116	95	95	107	108	90	117	102
Progeny	PGY 6119VT2P	119	104	105	91	103	109	101	102
Progeny	PGY 6116VT2P	116	99	101	93	101	113	98	101
Seed Consultants	SC 11AGT74™	116	---	---	97	100	101	101	100
NuTech/G2 Genetic	5H-418	118	101	---	80	113	---	---	98
Augusta	A7768GT3110	118	---	---	76	105	111	---	97
Progeny	PGY 4117VT3P	117	100	91	101	96	104	91	97
Doebler's	5615GRQ™	116	91	102	102	95	93	96	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.

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

Table 3. Two-year Average RELATIVE YIELD* (2015-2016) 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				
Pioneer	P0339AM	103	13	94
108-111 Days Relative Maturity				
DEKALB	DKC61-88RIB	111	13	103
Doebler's	RPM® 5015AM™	110	13	99
Pioneer	P1197AM	111	13	99
Doebler's	RPM® 5125AM™	111	13	98
Seed Consultants	SC 11AQ15™	111	9	97
Doebler's	RPM® 4816AM™	108	6	97
DEKALB	DKC60-67RIB	110	13	94
112-115 Days Relative Maturity				
Augusta	A6465VT2Pro	115	8	112
AXIS	64K24RIB	114	7	108
Progeny	PGY 5115VT2P	115	13	106
Dyna-Gro	D54DC94	114	9	105
DEKALB	DKC65-19RIB	115	13	104
Dyna-Gro	D52VC91	112	12	104
AXIS	64D25RIB	114	7	103
Doebler's	RPM® 5315AMXT™	113	6	100
Seed Consultants	SCS 11HR63™	115	9	100
Progeny	PGY 4114VT2P	114	13	99
DEKALB	DKC64-87RIB	114	13	98
>115 Days Relative Maturity				
DEKALB	DKC66-40RIB	116	13	107
Phoenix	7402A3	118	10	103
DEKALB	DKC67-72RIB	117	13	103
Doebler's	5815GRQ™	118	13	101
Seed Consultants	SC 11AGT74™	116	9	100
Phoenix	6542A4	116	10	100
Doebler's	5615GRQ™	116	13	97
Progeny	PGY 6116VT2P	116	13	96
Progeny	PGY 4117VT3P	117	13	94

* 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* (2014-2016) 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
108-111 Days Relative Maturity				
Doebler's	RPM® 5015AM™	110	20	102
Seed Consultants	SC 11AQ15™	111	13	98
DEKALB	DKC60-67RIB	110	20	95
112-115 Days Relative Maturity				
Dyna-Gro	D54DC94	114	16	111
DEKALB	DKC65-19RIB	115	20	105
Seed Consultants	SCS 11HR63™	115	14	101
Doebler's	RPM® 5315AMXT™	113	13	95
>115 Days Relative Maturity				
DEKALB	DKC66-40RIB	116	20	107
Phoenix	7402A3	118	14	105
Doebler's	5815GRQ™	118	20	101
Phoenix	6542A4	116	14	101
Seed Consultants	SC 11AGT74™	116	14	101
Doebler's	5615GRQ™	116	20	97

* 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 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
AXIS	53A25RIB	103	191	17.0	56.1
Pioneer	P0339AM	103	186	16.5	53.1
AXIS	56Z50RIB	106	185	17.4	52.9
Phoenix	5352A4	107	185	18.5	52.0
Doebler's	RPM® 4717AMX™	107	170	17.5	54.2
	Maturity Average		184	17.4	53.6
	L.S.D. (0.05)		13	1.8	1.8
	C.V.		5	6.8	2.0
108-111 Days Relative Maturity					
DEKALB	DKC61-88RIB	111	195	18.3	53.1
Doebler's	RPM® 4917AM™	109	189	18.2	52.0
Doebler's	RPM® 4816AM™	108	187	17.6	54.2
NuTech/G2 Genetics	X5Z-1001	110	185	18.0	53.3
DEKALB	DKC58-06RIB	108	182	18.0	53.6
Pioneer	P0843AM	108	179	18.1	54.6
DEKALB	DKC60-67RIB	110	178	18.0	54.1
NuTech/G2 Genetics	5F-709	109	178	17.8	53.8
Pioneer	P1197AM	111	176	17.9	51.6
NuTech/G2 Genetics	5F-811	111	174	19.8	53.4
Doebler's	RPM® 5125AM™	111	167	17.2	54.2
NuTech/G2 Genetics	5F-710	110	163	15.8	53.7
Doebler's	RPM® 5015AM™	110	156	18.1	54.1
	Maturity Average		178	17.9	53.5
	L.S.D. (0.05)		21	2.3	1.8
	C.V.		8	8.5	2.2
112-115 Days Relative Maturity					
Augusta	A6465VT2Pro	115	208	19.5	52.0
DEKALB	DKC65-19RIB	115	201	20.5	55.0
NuTech/G2 Genetics	5F-113	113	199	18.9	55.4
NuTech/G2 Genetics	5F-015	115	198	19.4	53.8
AXIS	64K24RIB	114	197	20.7	52.8
Dyna-Gro	D52VC91	112	196	19.4	55.8
DEKALB	DKC64-87RIB	114	196	19.8	52.5
Doebler's	RPM® 5315AMXT™	113	196	18.8	53.0
Dyna-Gro	D54DC94	114	194	19.9	51.9
AXIS	65H25RIB	115	193	20.6	53.5
Progeny	PGY 5115VT2P	115	191	20.3	52.6
AXIS	64D25RIB	114	188	20.3	51.7
AXIS	62M25RIB	112	186	19.1	52.6
Dyna-Gro	D54VC52	114	185	20.8	53.6
Progeny	PGY 4114VT2P	114	185	18.2	54.0

Table 5. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
NuTech/G2 Genetics	5F-713	113	183	19.6	52.2
DEKALB	DKC65-71RIB	115	181	19.8	51.4
NuTech/G2 Genetics	5F-515	115	180	20.3	52.6
Progeny	PGY EXP 1615VT2P	115	166	20.8	54.1
	Maturity Average		191	19.8	53.2
	L.S.D. (0.05)		18	1.1	3.2
	C.V.		6	3.8	3.9
>115 Days Relative Maturity					
Phoenix	7402A3	118	207	23.8	50.7
Dyna-Gro	D58VC37	118	198	21.9	53.3
DEKALB	DKC66-59RIB	116	194	21.1	52.6
Progeny	PGY 6119VT2P	119	192	23.9	51.8
DEKALB	DKC67-72RIB	117	192	20.4	52.2
Phoenix	6542A4	116	190	21.3	49.8
Doebler's	5815GRQ™	118	190	23.3	52.7
NuTech/G2 Genetics	5H-418	118	188	21.4	51.7
Progeny	PGY 4117VT3P	117	185	20.4	51.5
AXIS	66A22RIB	116	183	19.9	52.0
Progeny	PGY 6116VT2P	116	183	20.5	51.4
Pioneer	P1637AM	116	177	19.6	53.1
DEKALB	DKC66-40RIB	116	171	20.2	52.5
Doebler's	5615GRQ™	116	169	21.7	52.2
	Maturity Average		187	21.4	52.0
	L.S.D. (0.05)		20	1.5	2.2
	C.V.		7	4.7	2.7
	Location Average		186	19.5	53.0

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

[2] Reported at 15.5% moisture.

Planted April 15, 2016. Harvested August 31, 2016. Population was 28,650 plants/acre.

Table 6. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2015 and 2016 - 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	136	16.5	52.8
108-111 Days Relative Maturity					
DEKALB	DKC61-88RIB	111	148	18.6	52.6
Doebler's	RPM® 4816AM™	108	142	17.6	53.7
Pioneer	P1197AM	111	134	19.9	52.1
Doebler's	RPM® 5015AM™	110	130	19.2	52.6
Doebler's	RPM® 5125AM™	111	129	18.9	53.7
DEKALB	DKC60-67RIB	110	121	18.6	53.1
	Maturity Average		134	18.8	53.0
	L.S.D. (0.05)		18	2.6	1.1
	C.V.		12	13.0	1.9
112-115 Days Relative Maturity					
Doebler's	RPM® 5315AMXT™	113	172	21.7	51.9
DEKALB	DKC65-19RIB	115	170	20.9	53.7
Augusta	A6465VT2Pro	115	163	23.5	51.0
AXIS	64K24RIB	114	161	21.9	51.5
Progeny	PGY 5115VT2P	115	159	21.7	51.2
Dyna-Gro	D52VC91	112	151	20.1	53.6
Dyna-Gro	D54DC94	114	151	23.5	51.0
Progeny	PGY 4114VT2P	114	149	19.9	53.0
DEKALB	DKC64-87RIB	114	148	20.0	52.2
AXIS	64D25RIB	114	141	21.3	51.6
	Maturity Average		156	21.4	52.0
	L.S.D. (0.05)		20	2.9	2.2
	C.V.		12	13.3	3.9
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	146	23.9	51.0
Doebler's	5815GRQ™	118	144	25.0	51.2
Doebler's	5615GRQ™	116	142	26.1	50.4
DEKALB	DKC67-72RIB	117	137	21.2	51.5
Progeny	PGY 6116VT2P	116	134	22.4	50.9
Phoenix	6542A4	116	134	24.1	48.4
Phoenix	7402A3	118	133	23.9	49.2
Progeny	PGY 4117VT3P	117	128	21.6	51.0
	Maturity Average		137	23.5	50.4
	L.S.D. (0.05)		20	3.5	1.4
	C.V.		13	14.4	2.5
	Location Average		144	21.3	51.8

[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, 2014-2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	135	19.6	52.4
DEKALB	DKC60-67RIB	110	129	19.0	53.6
	Maturity Average		132	19.3	53.0
	L.S.D. (0.05)		17	2.5	1.2
	C.V.		13	13.2	2.3
112-115 Days Relative Maturity					
Doebler's	RPM® 5315AMXT™	113	171	21.9	51.9
DEKALB	DKC65-19RIB	115	165	21.0	54.0
Dyna-Gro	D54DC94	114	163	23.1	51.2
AXIS	64K24RIB	114	158	21.8	51.8
	Maturity Average		164	22.0	52.2
	L.S.D. (0.05)		20	2.0	2.2
	C.V.		14	10.7	4.6
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	150	23.6	51.5
Doebler's	5815GRQ™	118	148	25.0	51.2
Phoenix	6542A4	116	142	23.7	48.6
Doebler's	5615GRQ™	116	141	24.8	50.6
Phoenix	7402A3	118	133	24.5	50.0
	Maturity Average		143	24.3	50.4
	L.S.D. (0.05)		19	2.5	1.1
	C.V.		15	12.0	2.5
	Location Average		149	22.6	51.5

[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 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Channel	206-30STXRIB	106	98	13.7	54.3
Doebler's	RPM® 4717AMX™	107	93	13.9	52.7
Channel	207-27VT2PRIB	107	86	15.1	51.0
Pioneer	P0339AM	103	86	15.7	51.9
Augusta	A2956GT3111	106	84	18.0	54.8
Phoenix	5352A4	107	84	17.7	51.2
Augusta	A5457GT	107	84	15.2	55.7
Mid-Atlantic	MA5001GT3VIP	99	79	15.9	51.4
Mid-Atlantic	MAX8006DGVT2PRIB	98	77	12.9	49.4
AXIS	53A25RIB	103	72	18.5	48.3
AXIS	56Z50RIB	106	71	15.4	47.8
Mid-Atlantic	MA8065SS	106	71	15.2	49.0
	Maturity Average		82	15.6	51.5
	L.S.D. (0.05)		14	4.6	2.5
	C.V.		11	17.6	2.9
108-111 Days Relative Maturity					
Mid-Atlantic	MA8107VT2P	110	112	15.9	52.0
Pioneer	P0843AM	108	109	14.8	54.5
NuTech/G2 Genetics	5F-811	111	108	17.5	54.6
Doebler's	RPM® 5015AM™	110	107	15.8	56.2
Doebler's	RPM® 4917AM™	109	103	15.3	54.4
NuTech/G2 Genetics	X5Z-1001	110	101	16.3	53.3
Channel	211-33VT2PRIB	111	101	15.0	54.3
NuTech/G2 Genetics	5F-710	110	100	15.9	52.8
NuTech/G2 Genetics	5F-709	109	100	15.7	53.9
Doebler's	RPM® 5125AM™	111	96	15.0	53.7
Mid-Atlantic	MA8116DGVT2P	111	96	15.1	51.9
Augusta	A4959GT3110	109	95	15.9	53.9
DEKALB	DKC60-67RIB	110	94	15.3	51.6
NK	N59B-3111A	109	94	16.6	52.2
Seed Consultants	SC 10AGT96™	108	92	15.3	53.2
Seed Consultants	SC 11AQ15™	111	91	20.1	51.7
Channel	208-23VT2PRIB	108	89	14.4	51.8
DEKALB	DKC61-88RIB	111	89	15.1	52.6
Mid-Atlantic	MA8086VT2P	108	83	14.2	49.7
Channel	210-26STXRIB	110	81	16.8	51.8
NuTech/G2 Genetics	5F-510	110	76	16.6	53.8
Seed Consultants	SC 11AQ17™	110	76	16.4	52.2
Dyna-Gro	D49VC39	109	74	13.9	47.2
Pioneer	P1197AM	111	73	15.0	53.2
Doebler's	RPM® 4816AM™	108	71	16.6	50.3

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Seed Consultants	SCS 1125YHR™	111	71	15.3	53.9
Augusta	A1108VT2ProRIB	108	71	14.1	49.2
DEKALB	DKC58-06RIB	108	65	14.6	48.3
	Maturity Average		90	15.7	52.4
	L.S.D. (0.05)		20	2.2	2.5
	C.V.		14	8.7	2.9
112-115 Days Relative Maturity					
AXIS	64K24RIB	114	113	19.6	52.1
Augusta	A1564GTCBLL	114	110	17.5	48.9
Augusta	A6664VT2Pro	114	106	19.0	53.4
Progeny	PGY 5115VT2P	115	106	16.4	52.8
Mid-Atlantic	MA8152VT2P	115	98	17.1	54.2
Mid-Atlantic	MA8167VT3P	115	97	18.7	53.6
DEKALB	DKC65-71RIB	115	97	17.6	52.3
NuTech/G2 Genetics	5F-515	115	94	19.3	54.2
DEKALB	DKC65-19RIB	115	94	18.3	54.2
AXIS	65H25RIB	115	93	17.9	53.5
Augusta	A6465VT2Pro	115	93	17.9	53.4
NK	N74L-3010	114	91	16.0	50.6
NK	N69D-3000GT	112	91	18.8	51.3
Augusta	A1565GTCBLL	115	91	18.6	52.0
AXIS	64D25RIB	114	86	19.0	51.2
Mid-Atlantic	MA8147SSRIB	114	84	17.3	56.2
Mid-Atlantic	MAX8159SS	115	83	20.4	47.6
Progeny	PGY EXP 1615VT2P	115	80	16.5	51.5
Dyna-Gro	D52VC91	112	78	16.5	51.6
Dyna-Gro	D54DC94	114	73	18.9	52.5
DEKALB	DKC64-87RIB	114	72	13.9	52.3
Seed Consultants	SCS 1136YHR™	112	71	15.4	55.2
Progeny	PGY 4114VT2P	114	68	14.0	51.2
Augusta	A5062GT3110	112	67	16.7	49.8
AXIS	62M25RIB	112	66	14.1	48.4
NuTech/G2 Genetics	5F-015	115	64	15.8	54.8
Seed Consultants	SCS 11HR63™	115	62	17.5	55.3
NuTech/G2 Genetics	5F-713	113	60	16.0	50.1
Doebler's	RPM® 5315AMXT™	113	56	14.6	51.5
	Maturity Average		84	17.2	52.3
	L.S.D. (0.05)		27	3.1	2.4
	C.V.		21	12.0	2.9
>115 Days Relative Maturity					
AXIS	66A22RIB	116	130	19.9	52.6
Augusta	A7766VT2Pro	116	121	21.0	51.6

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D58VC37	118	110	19.2	54.0
Phoenix	7402A3	118	107	22.1	52.4
DEKALB	DKC67-72RIB	117	107	18.0	53.3
DEKALB	DKC66-40RIB	116	106	18.4	55.4
NK	N83D-3000GT	118	103	20.7	52.7
Phoenix	6542A4	116	98	19.3	49.5
Doebler's	5815GRQ™	118	96	19.8	52.5
Pioneer	P1637AM	116	94	18.3	53.6
Doebler's	5615GRQ™	116	90	22.8	48.8
Progeny	PGY 4117VT3P	117	89	18.8	53.5
Seed Consultants	SC 11AGT74™	116	86	18.7	52.2
Progeny	PGY 6116VT2P	116	82	15.5	52.4
DEKALB	DKC66-59RIB	116	82	17.3	52.8
Seed Consultants	SCS 1187YHR™	118	81	19.6	54.2
Progeny	PGY 6119VT2P	119	80	17.3	53.4
NuTech/G2 Genetics	5H-216	116	74	17.7	53.3
NuTech/G2 Genetics	5H-418	118	71	16.8	52.8
Augusta	A7768GT3110	118	67	21.3	49.9
	Maturity Average		94	19.1	52.5
	L.S.D. (0.05)		20	2.7	2.0
	C.V.		15	9.9	2.5
	Location Average		88	16.9	52.3

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

[2] Reported at 15.5% moisture.

Planted April 20, 2016. Harvested September 12-13, 2016. Population was 23,100 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 2015 and 2016 - 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	137	15.3	54.7
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	159	15.8	56.5
DEKALB	DKC61-88RIB	111	155	15.5	54.7
Doebler's	RPM® 5125AM™	111	152	15.3	55.2
Pioneer	P1197AM	111	143	15.4	55.2
DEKALB	DKC60-67RIB	110	142	15.2	54.5
NK	N59B-3111A	109	141	16.6	53.7
Seed Consultants	SC 11AQ15™	111	136	19.3	53.7
Doebler's	RPM® 4816AM™	108	134	15.8	54.0
	Maturity Average		145	16.1	54.7
	L.S.D. (0.05)		12	0.8	1.3
	C.V.		8	4.9	2.2
112-115 Days Relative Maturity					
DEKALB	DKC65-19RIB	115	160	18.1	56.6
Augusta	A6664VT2Pro	114	159	18.3	55.1
Progeny	PGY 5115VT2P	115	158	17.1	55.1
Augusta	A6465VT2Pro	115	157	18.4	53.7
AXIS	64K24RIB	114	151	17.9	55.2
AXIS	64D25RIB	114	147	18.6	53.4
DEKALB	DKC64-87RIB	114	142	15.3	54.3
Dyna-Gro	D52VC91	112	142	16.9	55.4
Dyna-Gro	D54DC94	114	141	18.5	53.6
Doebler's	RPM® 5315AMXT™	113	133	15.8	53.7
Seed Consultants	SCS 11HR63™	115	132	17.4	56.2
Progeny	PGY 4114VT2P	114	121	15.1	54.2
	Maturity Average		145	17.3	54.7
	L.S.D. (0.05)		16	1.1	1.2
	C.V.		11	6.3	2.0
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	154	18.2	55.6
DEKALB	DKC67-72RIB	117	152	17.9	54.6
DEKALB	DKC66-59RIB	116	149	19.4	54.6
Phoenix	7402A3	118	148	21.0	53.5
Phoenix	6542A4	116	145	18.8	51.5
Doebler's	5815GRQ™	118	145	20.3	53.7
NK	N83D-3000GT	118	143	20.5	53.9
Doebler's	5615GRQ™	116	139	20.7	51.1
Progeny	PGY 4117VT3P	117	131	18.6	54.3
Progeny	PGY 6116VT2P	116	129	17.3	53.7

Table 9. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2015 and 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2]	Moist	Test Wt.
	Maturity Average		144	19.3	53.6
	L.S.D. (0.05)		12	1.4	1.2
	C.V.		8	7.1	2.1
	Location Average		144	17.6	54.4

[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, 2014-2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	137	16.4	55.6
DEKALB	DKC60-67RIB	110	121	16.6	55.3
Seed Consultants	SC 11AQ15™	111	118	20.6	53.4
	Maturity Average		125	17.9	54.8
	L.S.D. (0.05)		11	0.8	0.6
	C.V.		10	4.8	1.2
112-115 Days Relative Maturity					
DEKALB	DKC65-19RIB	115	137	19.3	56.1
Dyna-Gro	D54DC94	114	136	19.7	53.2
Augusta	A6664VT2Pro	114	135	19.8	54.2
Seed Consultants	SCS 11HR63™	115	104	18.1	54.5
Doebler's	RPM® 5315AMXT™	113	99	16.4	52.1
	Maturity Average		122	18.7	54.0
	L.S.D. (0.05)		14	1.2	1.6
	C.V.		13	7.4	3.4
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	139	19.7	54.8
Phoenix	7402A3	118	132	22.2	53.5
Seed Consultants	SC 11AGT74™	116	131	21.1	54.1
Phoenix	6542A4	116	130	20.6	51.5
NK	N83D-3000GT	118	129	22.0	53.4
Doebler's	5815GRQ™	118	128	22.0	53.3
Doebler's	5615GRQ™	116	127	21.7	51.8
	Maturity Average		131	21.3	53.2
	L.S.D. (0.05)		11	1.1	0.9
	C.V.		10	6.3	2.0
	Location Average		127	19.7	53.8

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

[2] Reported at 15.5% moisture.

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Phoenix	5352A4	107	241	20.7	52.8
Doebler's	RPM® 4717AMX™	107	224	18.5	54.6
Pioneer	P0339AM	103	222	17.4	55.0
Augusta	A5457GT	107	217	19.4	57.3
Augusta	A2956GT3111	106	216	17.4	56.2
Mid-Atlantic	MAX8006DGVT2PRIB	98	210	16.7	55.0
Mid-Atlantic	MA8065SS	106	210	17.5	55.4
Mid-Atlantic	MA5001GT3VIP	99	195	18.8	53.8
AXIS	53A25RIB	103	193	18.0	55.9
AXIS	56Z50RIB	106	193	17.8	56.1
Channel	207-27VT2PRIB	107	190	18.5	54.5
Channel	206-30STXRIB	106	173	15.8	57.3
	Maturity Average		207	18.0	55.3
	L.S.D. (0.05)		20	1.8	1.8
	C.V.		6	6.4	2.0
108-111 Days Relative Maturity					
Seed Consultants	SCS 1125YHR™	111	252	19.4	53.7
DEKALB	DKC61-88RIB	111	248	20.4	53.6
NK	N59B-3111A	109	239	19.7	53.0
Doebler's	RPM® 4917AM™	109	239	19.2	55.6
Augusta	A4959GT3110	109	236	19.9	54.6
Dyna-Gro	D49VC39	109	235	17.9	53.2
NuTech/G2 Genetics	5F-811	111	232	20.3	53.9
Mid-Atlantic	MA8107VT2P	110	231	20.3	53.3
NuTech/G2 Genetics	5F-510	110	228	17.5	57.7
NuTech/G2 Genetics	5F-709	109	227	19.3	53.7
Pioneer	P1197AM	111	226	19.2	55.1
NuTech/G2 Genetics	5F-710	110	224	18.1	54.1
Doebler's	RPM® 5015AM™	110	224	18.9	53.8
Doebler's	RPM® 4816AM™	108	223	18.1	55.2
Seed Consultants	SC 11AQ15™	111	222	24.3	52.2
NuTech/G2 Genetics	X5Z-1001	110	221	19.3	54.8
Pioneer	P0843AM	108	221	18.3	55.3
Seed Consultants	SC 10AGT96™	108	218	17.5	54.7
Seed Consultants	SC 11AQ17™	110	217	22.4	52.7
Channel	211-33VT2PRIB	111	217	19.4	55.4
Augusta	A1108VT2ProRIB	108	217	17.5	53.1
Mid-Atlantic	MA8116DGVT2P	111	216	20.4	52.7
Doebler's	RPM® 5125AM™	111	214	17.9	55.5
DEKALB	DKC60-67RIB	110	213	18.2	55.7
Channel	208-23VT2PRIB	108	208	18.9	53.3

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Mid-Atlantic	MA8086VT2P	108	205	19.3	55.3
DEKALB	DKC58-06RIB	108	192	18.6	54.9
Channel	210-26STXRIB	110	181	21.2	54.1
	Maturity Average		222	19.3	54.3
	L.S.D. (0.05)		23	1.8	1.5
	C.V.		7	6.5	1.8
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	253	22.0	51.5
Augusta	A6465VT2Pro	115	249	22.3	51.6
Doebler's	RPM® 5315AMXT™	113	247	19.9	53.8
Dyna-Gro	D54DC94	114	247	22.2	53.9
AXIS	64D25RIB	114	242	21.3	53.2
NuTech/G2 Genetics	5F-015	115	241	20.7	54.4
AXIS	64K24RIB	114	240	22.3	53.9
Augusta	A1564GTCBLL	114	239	21.7	50.8
Augusta	A6664VT2Pro	114	238	22.2	51.8
NuTech/G2 Genetics	5F-713	113	238	19.3	53.7
NK	N69D-3000GT	112	238	22.1	52.3
Mid-Atlantic	MA8152VT2P	115	237	22.3	53.9
NuTech/G2 Genetics	5F-515	115	236	21.3	53.4
Seed Consultants	SCS 11HR63™	115	235	19.9	54.2
AXIS	65H25RIB	115	233	21.7	55.4
Seed Consultants	SCS 1136YHR™	112	232	20.1	55.4
Mid-Atlantic	MAX8159SS	115	231	20.3	52.8
Augusta	A1565GTCBLL	115	231	21.4	51.3
Mid-Atlantic	MA8167VT3P	115	225	21.2	53.9
DEKALB	DKC65-71RIB	115	225	20.7	54.1
DEKALB	DKC64-87RIB	114	224	20.6	53.2
Progeny	PGY 4114VT2P	114	223	20.1	54.4
DEKALB	DKC65-19RIB	115	222	22.4	54.7
NK	N74L-3010	114	219	19.2	52.0
Dyna-Gro	D52VC91	112	219	21.1	56.2
Augusta	A5062GT3110	112	218	21.9	55.8
Mid-Atlantic	MA8147SSRIB	114	209	20.7	54.2
AXIS	62M25RIB	112	209	19.4	54.3
Progeny	PGY EXP 1615VT2P	115	183	22.5	54.6
	Maturity Average		230	21.1	53.6
	L.S.D. (0.05)		18	1.3	1.9
	C.V.		6	4.2	2.3
>115 Days Relative Maturity					
NuTech/G2 Genetics	5H-418	118	254	23.1	53.0
Seed Consultants	SCS 1187YHR™	118	247	24.9	54.9

Table 11. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Pioneer	P1637AM	116	243	21.6	55.1
NuTech/G2 Genetics	5H-216	116	242	21.9	55.1
DEKALB	DKC66-59RIB	116	238	23.8	53.8
Dyna-Gro	D58VC37	118	238	21.7	53.1
Augusta	A7768GT3110	118	237	24.1	51.6
Phoenix	7402A3	118	235	25.6	52.9
Progeny	PGY 6119VT2P	119	231	22.4	54.3
AXIS	66A22RIB	116	230	23.7	51.6
Augusta	A7766VT2Pro	116	230	23.0	51.8
DEKALB	DKC66-40RIB	116	229	20.7	53.7
NK	N83D-3000GT	118	228	24.9	50.9
Progeny	PGY 6116VT2P	116	228	21.0	52.5
Phoenix	6542A4	116	226	22.0	51.6
Seed Consultants	SC 11AGT74™	116	225	24.3	53.5
Doebler's	5815GRQ™	118	224	24.3	51.9
Progeny	PGY 4117VT3P	117	215	20.8	53.4
Doebler's	5615GRQ™	116	215	24.0	51.1
DEKALB	DKC67-72RIB	117	204	21.1	53.3
	Maturity Average		231	22.9	52.9
	L.S.D. (0.05)		21	1.7	1.9
	C.V.		6	5.1	2.0
	Location Average		225	20.5	53.9

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

[2] Reported at 15.5% moisture.

Planted April 19-20, 2016. Harvested September 13-16, 2016. Population was 28,750 plants/acre.

Table 12. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2015 and 2016 - 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	213	17.0	55.9
108-111 Days Relative Maturity					
DEKALB	DKC61-88RIB	111	242	18.0	55.5
NK	N59B-3111A	109	236	18.3	54.5
Doebler's	RPM® 5015AM™	110	229	17.7	54.5
Seed Consultants	SC 11AQ15™	111	229	21.6	53.8
Doebler's	RPM® 4816AM™	108	227	17.3	55.6
Doebler's	RPM® 5125AM™	111	220	17.0	56.1
Pioneer	P1197AM	111	218	17.9	55.4
DEKALB	DKC60-67RIB	110	213	17.0	57.1
	Maturity Average		227	18.1	55.3
	L.S.D. (0.05)		13	0.8	1.3
	C.V.		6	4.1	2.2
112-115 Days Relative Maturity					
AXIS	64D25RIB	114	249	19.5	53.9
Progeny	PGY 5115VT2P	115	246	19.8	53.5
Augusta	A6465VT2Pro	115	246	20.6	52.7
Seed Consultants	SCS 11HR63™	115	242	19.1	55.3
Augusta	A6664VT2Pro	114	240	19.8	54.5
AXIS	64K24RIB	114	240	19.8	54.9
Doebler's	RPM® 5315AMXT™	113	239	19.2	54.1
Dyna-Gro	D54DC94	114	238	20.5	54.6
Dyna-Gro	D52VC91	112	236	19.2	57.4
DEKALB	DKC64-87RIB	114	234	19.0	55.5
Progeny	PGY 4114VT2P	114	226	18.0	56.1
DEKALB	DKC65-19RIB	115	223	20.3	56.8
	Maturity Average		238	19.6	54.9
	L.S.D. (0.05)		15	0.8	1.3
	C.V.		6	4.1	2.2
>115 Days Relative Maturity					
Phoenix	7402A3	118	238	23.0	54.0
DEKALB	DKC66-40RIB	116	232	19.4	53.9
NK	N83D-3000GT	118	228	23.0	52.1
Doebler's	5815GRQ™	118	228	22.4	53.4
Phoenix	6542A4	116	225	20.7	51.7
Progeny	PGY 6116VT2P	116	224	19.5	54.5
DEKALB	DKC66-59RIB	116	222	22.2	54.0
Progeny	PGY 4117VT3P	117	215	19.4	54.9
DEKALB	DKC67-72RIB	117	213	19.6	54.6
Doebler's	5615GRQ™	116	211	21.1	53.1

Table 12. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2015 and 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2]	Moist	Test Wt.
	Maturity Average		224	21.0	53.6
	L.S.D. (0.05)		15	1.0	1.1
	C.V.		7	4.4	1.9
	Location Average		230	19.6	54.6

[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, 2014-2016 - 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® 5015AM™	110	233	17.5	54.4
Seed Consultants	SC 11AQ15™	111	227	20.6	53.9
DEKALB	DKC60-67RIB	110	221	17.1	57.1
	Maturity Average		227	18.4	55.2
	L.S.D. (0.05)		11	0.8	1.3
	C.V.		5	5.1	2.7
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR63™	115	252	18.5	55.1
Augusta	A6664VT2Pro	114	249	19.1	54.6
Doebler's	RPM® 5315AMXT™	113	242	18.9	54.5
Dyna-Gro	D54DC94	114	241	19.8	54.0
DEKALB	DKC65-19RIB	115	229	19.7	56.6
	Maturity Average		243	19.2	55.0
	L.S.D. (0.05)		14	0.6	0.9
	C.V.		7	4.0	1.9
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	242	19.0	54.1
Phoenix	7402A3	118	241	22.3	54.0
NK	N83D-3000GT	118	236	22.2	52.7
Phoenix	6542A4	116	234	20.3	52.3
Doebler's	5815GRQ™	118	233	22.1	53.5
Seed Consultants	SC 11AGT74™	116	233	21.6	54.3
Doebler's	5615GRQ™	116	212	20.5	53.2
	Maturity Average		233	21.1	53.4
	L.S.D. (0.05)		12	0.8	0.9
	C.V.		6	4.7	1.9
	Location Average		235	20.0	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 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Phoenix	5352A4	107	144	16.9	54.1
Doebler's	RPM® 4717AMX™	107	130	14.2	56.8
Mid-Atlantic	MA8065SS	106	127	13.6	56.5
Pioneer	P0339AM	103	123	13.7	55.9
	Maturity Average		131	15	56
	L.S.D. (0.05)		20	0.9	1.5
	C.V.		9	3.6	1.6
108-111 Days Relative Maturity					
NuTech/G2 Genetics	X5Z-1001	110	149	16.0	56.4
DEKALB	DKC61-88RIB	111	147	15.3	56.5
Doebler's	RPM® 4917AM™	109	145	15.8	56.4
Mid-Atlantic	MA8116DGVT2P	111	141	15.8	56.8
NuTech/G2 Genetics	5F-709	109	141	15.5	56.0
Channel	210-26STXRIB	110	139	16.1	55.5
DEKALB	DKC58-06RIB	108	138	15.1	56.5
NuTech/G2 Genetics	5F-710	110	137	14.5	58.1
Mid-Atlantic	MA8107VT2P	110	137	15.8	55.1
Pioneer	P0843AM	108	135	14.5	55.9
Pioneer	P1197AM	111	134	15.1	57.2
Channel	211-33VT2PRIB	111	134	14.9	57.4
Doebler's	RPM® 5125AM™	111	126	14.0	57.8
DEKALB	DKC60-67RIB	110	126	15.9	57.2
Doebler's	RPM® 5015AM™	110	126	15.3	55.7
Mid-Atlantic	MA8086VT2P	108	118	14.3	57.7
	Maturity Average		136	15	57
	L.S.D. (0.05)		19	0.9	1.9
	C.V.		9	4.0	2.2
112-115 Days Relative Maturity					
Mid-Atlantic	MA8152VT2P	115	160	18.1	55.1
Mid-Atlantic	MA8147SSRIB	114	157	17.6	57.1
Progeny	PGY 5115VT2P	115	152	17.3	56.2
Dyna-Gro	D54VC52	114	151	17.8	57.7
NuTech/G2 Genetics	5F-015	115	151	16.5	58.2
Dyna-Gro	D52VC91RIB	112	149	16.1	58.5
Mid-Atlantic	MA8167VT3P	115	145	18.2	55.4
DEKALB	DKC65-71RIB	115	144	16.9	56.2
NuTech/G2 Genetics	5F-713	113	142	16.4	54.3
NuTech/G2 Genetics	5F-515	115	141	16.8	55.8
DEKALB	DKC65-19RIB	115	136	17.0	56.9
Channel	215-05STXRIB	115	135	15.8	57.5
DEKALB	DKC64-87RIB	114	133	15.1	56.8

Table 14. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Mid-Atlantic	MAX8159SS	115	129	17.3	54.3
Progeny	PGY 4114VT2P	114	127	15.3	58.6
Progeny	PGY EXP 1615VT2P	115	123	17.3	55.7
	Maturity Average		142	16.8	56.5
	L.S.D. (0.05)		17	0.9	1.8
	C.V.		8	3.7	2.0
>115 Days Relative Maturity					
NuTech/G2 Genetics	5H-216	116	168	17.5	56.7
DEKALB	DKC66-59RIB	116	150	18.7	54.1
DEKALB	DKC67-72RIB	117	148	17.1	56.7
Channel	216-36STXRIB	116	147	17.1	56.6
Progeny	PGY 6119VT2P	119	146	18.9	56.7
Phoenix	7402A3	118	146	19.7	54.0
Channel	217-92VT2PRIB	117	145	17.3	56.8
Doebler's	5615GRQ™	116	141	18.8	55.4
Progeny	PGY 6116VT2P	116	141	17.7	55.9
Phoenix	6542A4	116	140	19.0	55.1
Doebler's	5815GRQ™	118	140	19.6	54.3
DEKALB	DKC66-40RIB	116	137	16.4	55.9
Dyna-Gro	D57VP51	117	132	16.8	56.8
Pioneer	P1637AM	116	132	17.6	56.9
Channel	217-41STXRIB	117	130	17.5	55.0
Progeny	PGY 4117VT3P	117	126	18.2	55.5
	Maturity Average		142	18.0	55.8
	L.S.D. (0.05)		20	1.1	2.6
	C.V.		9	3.9	2.8
	Location Average		139	16.5	56.3

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

[2] Reported at 15.5% moisture.

Planted April 15, 2016. Harvested September 7, 2016. Population was 23,500 plants/acre.

Table 15. Two-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2015 and 2016 - 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	168	15.4	55.8
108-111 Days Relative Maturity					
DEKALB	DKC61-88RIB	111	180	15.7	56.9
Doebler's	RPM® 5015AM™	110	167	15.8	55.6
Pioneer	P1197AM	111	166	15.5	56.9
Doebler's	RPM® 5125AM™	111	164	15.5	56.9
DEKALB	DKC60-67RIB	110	161	16.7	56.1
	Maturity Average		167	15.9	56.5
	L.S.D. (0.05)		16	1.2	1.5
	C.V.		9	7.3	2.5
112-115 Days Relative Maturity					
Dyna-Gro	D52VC91RIB	112	182	16.2	57.9
Progeny	PGY 4114VT2P	114	175	16.2	57.7
Channel	215-05STXRIB	115	172	16.1	57.1
DEKALB	DKC65-19RIB	115	171	17.0	57.8
Progeny	PGY 5115VT2P	115	169	17.2	56.0
DEKALB	DKC64-87RIB	114	166	16.1	56.3
	Maturity Average		173	16.5	57.1
	L.S.D. (0.05)		16	0.6	1.4
	C.V.		9	3.6	2.4
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	182	17.3	55.9
DEKALB	DKC67-72RIB	117	177	17.4	56.3
Phoenix	6542A4	116	175	18.6	55.0
Phoenix	7402A3	118	175	18.8	55.3
Doebler's	5615GRQ™	116	174	18.8	54.4
Progeny	PGY 6116VT2P	116	171	18.0	55.6
Doebler's	5815GRQ™	118	169	18.7	55.5
Progeny	PGY 4117VT3P	117	154	17.5	55.8
	Maturity Average		172	18.1	55.5
	L.S.D. (0.05)		18	1.3	1.7
	C.V.		10	6.7	2.8
	Location Average		171	16.9	56.2

[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, 2014-2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	173	18.3	54.4
DEKALB	DKC60-67RIB	110	162	18.5	55.1
	Maturity Average		167	18.4	54.8
	L.S.D. (0.05)		19	1.6	1.3
	C.V.		13	9.2	2.7
112-115 Days Relative Maturity					
DEKALB	DKC65-19RIB	115	171	18.7	56.6
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	188	18.8	55.0
Phoenix	6542A4	116	174	20.6	53.6
Doebler's	5815GRQ™	118	171	21.2	54.5
Phoenix	7402A3	118	170	21.0	53.9
Doebler's	5615GRQ™	116	167	20.2	53.0
	Maturity Average		174	20.3	54.0
	L.S.D. (0.05)		16	1.1	1.3
	C.V.		11	6.3	2.8
	Location Average		172	19.7	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 17. Corn Yields at KENTLAND Farm at BLACKSBURG, VA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Phoenix	5352A4	107	160	19.0	53.4
Pioneer	P0339AM	103	151	18.6	52.8
Doebler's	RPM® 4717AMX™	107	146	18.1	53.3
	Maturity Average		152	18.6	53.2
	L.S.D. (0.05)		40	2.0	12.0
	C.V.		10	4.2	1.9
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	166	18.4	53.7
T. A. Seeds	TA667-31	111	158	19.6	54.2
Seed Consultants	SC 11AQ17™	110	148	19.6	54.9
Pioneer	P0843AM	108	148	17.4	54.9
DEKALB	DKC60-67RIB	110	145	18.2	55.3
Seed Consultants	SCS 1125YHR™	111	144	19.7	52.6
NuTech/G2 Genetics	X5Z-1001	110	142	19.2	51.2
Doebler's	RPM® 4917AM™	109	141	19.0	50.3
NuTech/G2 Genetics	5F-709	109	141	18.6	53.3
DEKALB	DKC58-06RIB	108	141	19.7	53.0
Seed Consultants	SC 11AQ15™	111	137	20.6	53.6
Doebler's	RPM® 5015AM™	110	132	17.0	52.4
DEKALB	DKC61-88RIB	111	130	17.6	52.5
Seed Consultants	SC 10AGT96™	108	126	18.7	51.5
Doebler's	RPM® 5125AM™	111	120	17.7	54.4
	Maturity Average		141	18.7	53.2
	L.S.D. (0.05)		27	1.3	1.7
	C.V.		12	4.7	2.1
112-115 Days Relative Maturity					
Augusta	A6465VT2Pro	115	173	19.6	52.6
Dyna-Gro	D52VC91RIB	112	162	18.7	56.2
Progeny	PGY 5115VT2P	115	154	18.8	52.7
Progeny	PGY 4114VT2P	114	152	18.2	54.9
Seed Consultants	SCS 11HR63™	115	151	19.5	52.2
Progeny	PGY EXP 1615VT2P	115	147	20.5	53.1
Dyna-Gro	D54VC52	114	146	19.7	53.6
DEKALB	DKC65-19RIB	115	143	19.1	56.0
T. A. Seeds	TA736-22DPRIB	113	141	18.6	52.9
NuTech/G2 Genetics	5F-713	113	139	18.1	51.2
DEKALB	DKC65-71RIB	115	137	19.1	52.0
Seed Consultants	SCS 1136YHR™	112	136	19.5	54.7
NuTech/G2 Genetics	5F-515	115	135	19.5	52.8
DEKALB	DKC64-87RIB	114	119	19.8	50.9
	Maturity Average		145	19.2	53.3
	L.S.D. (0.05)		23	2.1	2.0

Table 17. Corn Yields at KENTLAND Farm at BLACKSBURG, VA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
	C.V.		11	7.4	2.3
>115 Days Relative Maturity					
Seed Consultants	SCS 1187YHR™	118	182	19.9	55.6
DEKALB	DKC67-72RIB	117	174	20.1	53.3
T. A. Seeds	TA767-22DPRIB	116	171	18.8	52.3
Progeny	PGY 6116VT2P	116	168	20.6	53.3
Augusta	A7768GT3110	118	164	22.0	51.6
Progeny	PGY 6119VT2P	119	162	20.6	55.0
DEKALB	DKC66-59RIB	116	160	19.8	53.8
Dyna-Gro	D57VP51	117	156	19.1	54.0
DEKALB	DKC66-40RIB	116	155	19.6	52.3
Progeny	PGY 4117VT3P	117	154	20.8	53.0
Seed Consultants	SC 11AGT74™	116	150	22.3	53.1
Doebler's	5815GRQ™	118	149	22.1	53.8
Phoenix	6542A4	116	147	23.4	51.4
Phoenix	7402A3	118	146	21.6	52.3
Doebler's	5615GRQ™	116	137	21.0	51.4
Pioneer	P1637AM	116	134	19.1	55.6
	Maturity Average		157	20.7	53.2
	L.S.D. (0.05)		28	1.2	1.8
	C.V.		12	3.9	2.0
	Location Average		148	19.5	53.2

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

[2] Reported at 15.5% moisture.

Planted April 28, 2016. Harvested September 28, 2016. Population was 22,450 plants/acre.

Table 18. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2015 and 2016 - 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	184	18.8	54.1
108-111 Days Relative Maturity					
Pioneer	P1197AM	111	219	19.5	54.2
DEKALB	DKC61-88RIB	111	192	18.8	53.8
Doebler's	RPM® 5015AM™	110	186	18.7	53.5
Seed Consultants	SC 11AQ15™	111	185	21.4	53.0
Doebler's	RPM® 5125AM™	111	183	18.9	54.8
DEKALB	DKC60-67RIB	110	174	19.1	55.9
	Maturity Average		190	19.4	54.2
	L.S.D. (0.05)		19	0.9	1.3
	C.V.		10	4.1	2.1
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR63™	115	216	21.4	52.5
Dyna-Gro	D52VC91RIB	112	208	19.7	56.2
Progeny	PGY 4114VT2P	114	207	19.9	54.6
Progeny	PGY 5115VT2P	115	199	19.9	52.9
DEKALB	DKC65-19RIB	115	197	19.9	56.0
T. A. Seeds	TA736-22DPRIB	113	194	19.9	53.9
DEKALB	DKC64-87RIB	114	176	20.7	52.2
	Maturity Average		199	20.2	54.0
	L.S.D. (0.05)		14	0.7	1.3
	C.V.		6	3.2	1.9
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	210	20.6	52.9
DEKALB	DKC67-72RIB	117	204	21.2	53.6
Doebler's	5815GRQ™	118	198	24.0	52.6
Progeny	PGY 6116VT2P	116	195	22.2	52.5
DEKALB	DKC66-59RIB	116	191	23.3	53.1
Doebler's	5615GRQ™	116	183	22.0	52.6
Progeny	PGY 4117VT3P	117	183	20.9	53.5
	Maturity Average		195	22.0	53.0
	L.S.D. (0.05)		25	0.8	1.5
	C.V.		12	3.5	2.3
	Location Average		194	20.5	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 19. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2014-2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Seed Consultants	SC 11AQ15™	111	185	22.5	52.6
Doebler's	RPM® 5015AM™	110	169	19.0	53.1
DEKALB	DKC60-67RIB	110	165	19.4	55.5
	Maturity Average		173	20.3	53.7
	L.S.D. (0.05)		19	0.8	1.0
	C.V.		13	4.4	2.1
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR63™	115	203	22.0	52.5
DEKALB	DKC65-19RIB	115	193	21.3	54.9
	Maturity Average		198	21.6	53.7
	L.S.D. (0.05)		21	1.1	2.0
	C.V.		11	4.8	2.9
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	197	21.9	52.5
Doebler's	5815GRQ™	118	193	25.4	51.6
Seed Consultants	SC 11AGT74™	116	188	25.0	52.4
Doebler's	5615GRQ™	116	175	22.7	52.1
	Maturity Average		188	23.8	52.2
	L.S.D. (0.05)		17	0.8	1.2
	C.V.		10	3.9	2.3
	Location Average		185	22.1	53.0

[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 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Phoenix	5352A4	107	141	14.7	54.7
Pioneer	P0339AM	103	135	14.4	53.8
Channel	206-30STXRIB	106	134	14.7	55.8
AXIS	53A25RIB	103	132	14.5	54.6
AXIS	56Z50RIB	106	122	14.8	54.3
Doebler's	RPM® 4717AMX™	107	119	15.1	54.4
Channel	207-27VT2PRIB	107	113	14.7	53.8
	Maturity Average		128	14.7	54.5
	L.S.D. (0.05)		30	0.4	1.8
	C.V.		14	1.8	1.9
108-111 Days Relative Maturity					
Pioneer	P0843AM	108	158	14.7	55.4
Pioneer	P1197AM	111	153	14.1	54.2
Seed Consultants	SCS 1125YHR™	111	152	15.2	54.7
DEKALB	DKC61-88RIB	111	147	14.3	55.4
Doebler's	RPM® 5015AM™	110	143	14.4	54.0
Channel	208-23VT2PRIB	108	141	14.0	53.7
Channel	211-33VT2PRIB	111	141	14.7	55.9
Seed Consultants	SC 11AQ17™	110	139	14.7	56.3
DEKALB	DKC60-67RIB	110	137	14.3	55.8
Channel	210-26STXRIB	110	137	14.7	53.1
NuTech/G2 Genetics	X5Z-1001	110	137	14.6	55.0
Doebler's	RPM® 4917AM™	109	135	14.4	55.0
NuTech/G2 Genetics	5F-709	109	134	14.9	55.1
Doebler's	RPM® 5125AM™	111	133	14.6	55.8
Seed Consultants	SC 11AQ15™	111	131	15.7	54.5
Dyna-Gro	D49VC39	109	131	14.8	54.3
DEKALB	DKC58-06RIB	108	118	14.8	55.9
	Maturity Average		139	14.6	54.9
	L.S.D. (0.05)		22	0.5	1.9
	C.V.		11	2.4	2.3
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR63™	115	166	15.7	56.2
Seed Consultants	SCS 1136YHR™	112	165	15.1	58.0
Progeny	PGY 5115VT2P	115	161	14.5	56.1
AXIS	65H25RIB	115	161	15.6	56.4
NuTech/G2 Genetics	5F-515	115	160	15.0	56.9
AXIS	64K24RIB	114	156	14.5	54.0
NuTech/G2 Genetics	5F-713	113	154	14.9	54.8
AXIS	64D25RIB	114	151	15.4	54.7
Dyna-Gro	D52VC91	112	149	14.7	57.3

Table 20. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D54VC52	114	149	15.0	55.9
DEKALB	DKC65-19RIB	115	148	15.1	57.2
DEKALB	DKC64-87RIB	114	146	15.2	57.2
Progeny	PGY 4114VT2P	114	139	14.9	57.2
Channel	215-05STXRIB	115	137	15.6	57.2
AXIS	62M25RIB	112	134	14.3	53.0
DEKALB	DKC65-71RIB	115	121	14.9	54.3
Progeny	PGY EXP 1615VT2P	115	115	14.6	56.4
	Maturity Average		148	15.0	56.1
	L.S.D. (0.05)		18	0.8	1.5
	C.V.		8	3.5	1.8
>115 Days Relative Maturity					
Pioneer	P1637AM	116	168	15.2	57.1
Seed Consultants	SCS 1187YHR™	118	163	16.8	59.0
AXIS	66A22RIB	116	158	15.3	55.8
Channel	217-92VT2PRIB	117	153	14.8	56.8
DEKALB	DKC66-59RIB	116	153	15.7	56.0
Channel	216-36STXRIB	116	153	15.0	56.2
DEKALB	DKC67-72RIB	117	152	15.3	55.4
Doebler's	5815GRQ™	118	149	16.3	55.7
Phoenix	6542A4	116	148	14.8	54.4
Phoenix	7402A3	118	147	15.9	56.7
Progeny	PGY 6119VT2P	119	145	15.3	57.0
Seed Consultants	SC 11AGT74™	116	144	17.1	58.0
DEKALB	DKC66-40RIB	116	144	16.4	57.0
Channel	217-41STXRIB	117	143	15.5	55.2
Progeny	PGY 6116VT2P	116	140	15.2	54.1
Doebler's	5615GRQ™	116	138	15.6	55.7
Progeny	PGY 4117VT3P	117	130	15.1	55.8
	Maturity Average		149	15.6	56.2
	L.S.D. (0.05)		17	0.8	1.7
	C.V.		8	3.6	2.0
	Location Average		143	15.0	55.6

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

[2] Reported at 15.5% moisture.

Planted April 27, 2016. Harvested September 22, 2016. Population was 22,950 plants/acre.

Table 21. Two-Year Average Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2015 and 2016 - 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	166	14.9	55.3
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	183	15.0	55.6
DEKALB	DKC61-88RIB	111	182	14.6	55.8
Pioneer	P1197AM	111	178	14.6	55.2
DEKALB	DKC60-67RIB	110	166	15.2	56.8
Seed Consultants	SC 11AQ15™	111	165	17.0	55.9
Doebler's	RPM® 5125AM™	111	163	14.6	56.2
	Maturity Average		173	15.2	55.9
	L.S.D. (0.05)		15	0.5	1.4
	C.V.		8	3.1	2.4
112-115 Days Relative Maturity					
Progeny	PGY 5115VT2P	115	182	15.3	57.6
Dyna-Gro	D52VC91	112	179	15.4	57.9
DEKALB	DKC64-87RIB	114	177	15.9	57.2
Progeny	PGY 4114VT2P	114	177	15.3	58.1
Seed Consultants	SCS 11HR63™	115	174	16.0	56.4
Channel	215-05STXRIB	115	173	16.2	57.3
DEKALB	DKC65-19RIB	115	164	15.8	58.4
	Maturity Average		175	15.7	57.6
	L.S.D. (0.05)		16	0.7	1.4
	C.V.		9	4.1	2.3
>115 Days Relative Maturity					
DEKALB	DKC67-72RIB	117	176	16.5	55.9
DEKALB	DKC66-40RIB	116	174	17.3	58.2
Doebler's	5815GRQ™	118	173	18.1	56.0
DEKALB	DKC66-59RIB	116	170	18.1	57.6
Doebler's	5615GRQ™	116	162	17.2	55.5
Progeny	PGY 4117VT3P	117	160	15.7	57.2
Progeny	PGY 6116VT2P	116	159	16.0	54.6
	Maturity Average		168	17.0	56.4
	L.S.D. (0.05)		12	0.9	1.6
	C.V.		7	5.0	2.6
	Location Average		172	15.9	56.6

[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, 2014-2016 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doebler's	RPM® 5015AM™	110	169	15.8	55.7
DEKALB	DKC60-67RIB	110	151	16.0	56.8
	Maturity Average		160	15.9	56.2
	L.S.D. (0.05)		14	1.0	1.2
	C.V.		9	6.1	2.2
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR63™	115	165	17.1	55.9
DEKALB	DKC65-19RIB	115	156	17.2	58.1
	Maturity Average		160	17.1	57.0
	L.S.D. (0.05)		12	0.7	1.3
	C.V.		8	4.3	2.4
>115 Days Relative Maturity					
DEKALB	DKC66-40RIB	116	163	17.9	57.0
Doebler's	5815GRQ™	118	160	19.1	55.3
Seed Consultants	SC 11AGT74™	116	157	19.0	56.3
Doebler's	5615GRQ™	116	148	18.5	54.9
	Maturity Average		157	18.6	55.9
	L.S.D. (0.05)		11	1.0	1.1
	C.V.		8	6.0	2.2
	Location Average		159	17.6	56.2

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

[2] Reported at 15.5% moisture.