



Virginia Corn Hybrid and Management Trials in 2021

Authored by Wade Thomason, Extension Specialist, School of Plant and Environmental Sciences, Virginia Tech; Caleb Bishop, Research Specialist, School of Plant and Environmental Sciences, Virginia Tech; Elizabeth Rucker, Research Associate, School of Plant and Environmental Sciences, Virginia Tech

Other contributors: Phillip Browning, Manager, Virginia Crop Improvement Association Foundation Seed Farm; Doug Horn, Extension Agent, Rockingham County; Jason Stutz, Karl Jones, Agricultural Manager Senior, Tidewater Agricultural Research and Extension Center; Ned Jones, Farm Manager, Southern Piedmont Agricultural Research and Extension Center; Greg Lillard, Farm Managers, Northern Piedmont Center; Brooks Saville, Agricultural Program Coordinator, College Farm, Virginia Tech

Companies Participating in the 2021 Corn Hybrid Trials

Company	Brand	Address
AgReliant Genetics	LG Seeds	1122 E 169th Street, Westfield, IN 46074
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
Bayer	DEKALB, Hubner	800 N Lindbergh Blvd., St Louis, MO 63167
Corteva Agriscience	Pioneer	7200 NW 62nd Ave., Johnston, IA 50131
Erwin-Keith, Inc.	Progeny Ag Products	1529 Hwy 193, Wynne, AR 72396
GROWMARK	FS	308 NE Front Street, Milford, DE 19963
Mid-Atlantic Seeds	Mid-Atlantic	204 St. Charles Way #163E, York, PA 17402
Nutrien Ag Solutions	Dyna-Gro	396 Washington Street, Boydton, VA 23917
Seed Consultants, Inc.	Seed Consultants	648 Miami Trace Rd, Washington Court House, OH 43160
SeedKoz	MorCorn	1725 Windward Concourse Suite 410, Alpharetta, GA 30005
Syngenta Seeds	NK Brand	4013 Fairmount Pike, Signal Mountain, TN 37377

Appreciation is expressed to the Virginia Corn Check-Off Board for financial support of this research and the Virginia Extension corn program

Table of Contents

Introduction	3
2021 Virginia Corn Hybrid Trial plot information	4
Table 1. List of hybrids in the 2020 Virginia Corn Hybrid Trial.....	6
Handy Bt Trait Table.....	9
Table 2. 2021 Relative yield of hybrids entered	11
Table 3. Yields at Blackstone, VA in 2021.....	14
Table 4. Two-year average yields at Blackstone, VA in 2020 and 2021	16
Table 5. Yields at Holland, VA in 2021	17
Table 6. Two-year average yields at Holland , VA in 2020 and 2021	19
Table 7. Yields at Mt Holly, VA non-irrigated in 2021	20
Table 8. Two-year average yields at Mt Holly, VA non-irrigated in 2020 and 2021	22
Table 9. Yields at Mt Holly, VA irrigated in 2021	23
Table 10. Yields at Orange VA in 2021	25
Table 11. Two-year average yields at Orange, VA in 2020 and 2021	27
Table 12. Yields at Blacksburg, VA in 2021	28
Table 13. Two-year average yields at Blacksburg, VA in 2020 and 2021	30
Table 14. Yields at Staunton, VA, Shenandoah Valley, in 2021	32
Table 15. Two-year average yields at Shenandoah Valley in 2020 and 2021	34

Introduction

Background Information

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

Yield Differences

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

Understanding Relative Yield

Companies entering hybrids decide which hybrids are planted at which locations. Combining and comparing absolute yield and other results from multiple sites is inappropriate when not all hybrids are planted at all locations. For example, one hybrid might have an unfair advantage in such a comparison because it was tested only at sites with ideal growing conditions. Another hybrid tested at sites with less-than-ideal growing conditions would have yields that tended to be lower. In this example, it would be difficult to determine whether yield differences were because of differences in genetic yield potential or simply because of differences in the environmental conditions under which they were tested. The solution is to compare hybrids based on relative yields rather than absolute yields.

To calculate relative yield, the yield for each hybrid at each site is divided by the average yield for all hybrids tested at that same site and multiplied by 100. Once each hybrid at each site has been assigned a relative yield, comparisons can be made between hybrids tested at the same site or different sites. For hybrids tested at multiple sites, we can also calculate a multi-site relative yield average.

Relative yields of 100 indicate hybrids that were average performers. Relative yields greater than 100 indicate yields above-average. Relative yields less than 100 indicate yields below-average. The magnitude of the relative yield numbers indicates how far above or below average a hybrid performed. For example, a hybrid with a relative yield of 110 yielded 10% of above the average yield for all hybrids at that site.

Choice of Hybrids

When making hybrid selections it is important to realize that hybrids differ in their performance in different environments. Some hybrids are more adapted to a wide range of environments. Hybrid performance may vary with year and location variations in rainfall, temperature, pests and other environmental variables. In these experiments, many hybrids have essentially the same yield, and great care should be taken in interpreting the results of a single year's tests, especially at only one location. For these reasons it is important, whenever possible, to also look at a hybrid's average across locations when making hybrid selections. Multi-year averages give even greater confidence to hybrid performance decisions. The relative yield tables compare the yield of a

hybrid to the average yield of all hybrids in the test. These tables are an excellent summary of yield potential compared to other hybrids.

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

Blacksburg Kentland Farm

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

Blackstone Southern Piedmont Agricultural Research & Extension Center

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

Holland Tidewater Agricultural Research & Extension Center

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

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

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

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

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

Orange Northern Piedmont Center

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

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

Shenandoah Valley (Thanks to Jason Stuth)

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

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

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

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

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

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

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

	Bt protein(s) (or other trait) in package	Marketed for control of:											Resistance confirmed to the combination of Bts in package (check local situation)	Herbicide trait			Non-Bt Refuge % (cornbelt)	
		B C W	C E W	E C B	F A W	S B	S C B	S W C B	T A W	W B C	W C R	G R		L L	E			
AcreMax (AM)	Cry1Ab Cry1F	x	x	x	x	x	x	x	x					CEW FAW WBC	x	x		5% in bag
AcreMax CRW (AMRW)	Cry34/35Ab1												x	NCR WCR	x	x		10% in bag
AcreMax1 (AM1)	Cry1F Cry34/35Ab1	x		x	x	x	x	x	x				x	ECB FAW SWB WBC NCR WCR	x	x		10% in bag 20% ECB
AcreMax Leptra (AML)	Cry1Ab Cry1F Vip3A	x	x	x	x	x	x	x	x	x					x	x		5% in bag
AcreMax TRIsect (AMT)	Cry1Ab Cry1F mCry3A	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x	x		10% in bag
AcreMax Xtra (AMX)	Cry1Ab Cry1F Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC NCR WCR	x	x		10% in bag
AcreMax Xtreme (AMXT)	Cry1Ab Cry1F mCry3A Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x	x		5% in bag
Agrisure 3010 (BR)	Cry1Ab		x	x				x	x					CEW	x	x		20%
Agrisure 3000GT & 3011A	Cry1Ab mCry3A		x	x				x	x				x	CEW WCR	x	x		20%
Agrisure Viptera 3110 (VR)	Cry1Ab Vip3A	x	x	x	x	x	x	x	x	x					x	x		20%
Agrisure Viptera 3111 (A4)	Cry1Ab Vip3A mCry3A	x	x	x	x	x	x	x	x	x	x			WCR	x	x		20%
Agrisure 3120 E-Z Refuge (BZ)	Cry1Ab Cry1F	x	x	x	x	x	x	x						CEW FAW WBC	x			5% in bag
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x			5% in bag
Agrisure Viptera 3220 E-Z (VZ)	Cry1Ab Cry1F Vip3A	x	x	x	x	x	x	x	x	x					x			5% in bag
Agrisure Viptera 3330 E-Z	Cry1Ab Vip3A Cry1A.105/Cry2Ab2	x	x	x	x	x	x	x	x	x					x			5% in bag
Agrisure Duracade 5122 E-Z (D1)	Cry1Ab Cry1F mCry3A eCry3.1Ab	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x			5% in bag
Agrisure Duracade 5222 E-Z (D2)	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	x	x	x	x	x	x	x	x	x			x	WCR	x			5% in bag
Agrisure Duracade 5332-E-Z	Cry1A.105/Cry2Ab2 Cry1Ab Vip3A mCry3A eCry3.1Ab	x	x	x	x	x	x	x	x	x			x	WCR	x	x		5% in bag
Herculex I (HXI)	Cry1F	x		x	x	x	x	x						ECB FAW SWB WBC	x	x		20%
Herculex RW (HXRW)	Cry34/35Ab1												x	NCR WCR	x	x		20%
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	x		x	x	x	x	x					x	ECB FAW SWB WBC NCR WCR	x	x		20%
Intrasect (YHR)	Cry1Ab Cry1F	x	x	x	x	x	x	x						CEW FAW WBC	x	x		5%
Intrasect TRIsect (CYHR)	Cry1Ab Cry1F mCry3A	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x	x		20%
Intrasect Xtra (YXR)	Cry1Ab Cry1F Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC NCR WCR	x	x		20%
Intrasect Xtreme (CYXR)	Cry1Ab Cry1F mCry3A Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x	x		5%
Leptra (VYHR)	Cry1Ab Cry1F Vip3A	x	x	x	x	x	x	x	x	x					x	x		5%
Powercore ^a (PW) PW Refuge Advanced ^b (PWRA)	Cry1A.105/Cry2Ab2 Cry1F	x	x	x	x	x	x	x						CEW WBC	x	x		^a 5% ^b 5% in bag
Powercore Enlist (PWE)	Same as Powercore	x	x	x	x	x	x	x						CEW WBC	x	x	x	5% in bag
QROME (Q)	Cry1Ab Cry1F mCry3A Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	x	x		5% in bag
SmartStax ^a (SX,STX or SS) STX Refuge Advanced ^b (SXRA) STX RIB Complete ^b (STXRIB)	Cry1A.105/Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	x	x	x	x	x	x	x					x	CEW WBC NCR WCR	x	x		^a 5% ^b 5% in bag
SmartStax Enlist (SXE)	Same as SmartStax	x	x	x	x	x	x	x					x	Same as SmartStax	x	x	x	5% in bag
SmartStax Pro *2022 commercialization date	Same as SmartStax + DvSnf7 dsRNA	x	x	x	x	x	x	x					x	CEW WBC	x	x		5% in bag
Trecepta ^a (TRE) Trecepta RIB Complete ^b (TRERIB)	Cry1A.105/Cry2Ab2 Vip3A	x	x	x	x	x	x	x	x	x					x			^a 5% ^b 5% in bag
TRIssect (CHR)	Cry1F mCry3A	x		x	x	x	x	x					x	ECB FAW SWB WBC WCR	x	x		20%

See bag tag. E20=no E21=yes

VT DoublePRO ^a (VT2P) VT2P RIB Complete ^b (VT2PRIB)	Cry1A.105/Cry2Ab2		x	x	x	x	x	x					CEW	x			^a 5% ^b 5% in bag
VT TriplePRO ^c (VT3P) VT3P RIB Complete ^d (VT3PRIB)	Cry1A.105/Cry2Ab2 Cry3Bb1		x	x	x	x	x	x			x		CEW NCR WCR	x			^c 20% ^d 10% in bag
Yieldgard Corn Borer (YGCB)	Cry1Ab		x	x				x	x				CEW	x			20%
Yieldgard Rootworm (YGRW)	Cry3Bb1										x		NCR WCR	x			20%
Yieldgard VT Triple (VT3)	Cry1Ab Cry3Bb1		x	x				x	x		x		CEW NCR WCR	x			20%
VT DoublePRO ^a (VT2P) VT2P RIB Complete ^b (VT2PRIB)	Cry1A.105/Cry2Ab2		x	x	x	x	x	x					CEW	x			^a 5% ^b 5% in bag
VT TriplePRO ^c (VT3P) VT3P RIB Complete ^d (VT3PRIB)	Cry1A.105/Cry2Ab2 Cry3Bb1		x	x	x	x	x	x			x		CEW NCR WCR	x			^c 20% ^d 10% in bag
Yieldgard Corn Borer (YGCB)	Cry1Ab		x	x				x	x				CEW	x			20%
Yieldgard Rootworm (YGRW)	Cry3Bb1										x		NCR WCR	x			20%
Yieldgard VT Triple (VT3)	Cry1Ab Cry3Bb1		x	x				x	x		x		CEW NCR WCR	x			20%

Abbreviations used in the Trait Table

Insect targets

BCW black cutworm CEW corn earworm CR corn rootworm
(N- Northern, W- Western) ECB European corn borer
FAW fall armyworm SB stalk borer
SCB sugarcane borer
SWCB southwestern corn bore TAW true armyworm
WBC western bean cutworm

Herbicide tolerance

E Enlist - 2,4-D and 'FOPs'

G glyphosate

R Roundup Ready 2 - glyphosate

LL Liberty Link - glufosinate

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

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

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

>115 Days Relative Maturity

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

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

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Hubner Seed	H09G056	109	219	53.6
MorCorn	MC 3952	109	198	55.6
Hubner Seed	H4563RC2P	111	195	54.1
MorCorn	MC 4161	111	183	55.3
Augusta	A1259	109	180	52.2
NK Brand	NK1082-5222	110	178	52.5
DEKALB	DKC59-82RIB	109	175	53.5
Progeny	PGY EXP 2010TRE	110	168	53.2
Pioneer Brand	P1185AM	111	168	56.2
Progeny	PGY 2008VT2P	108	165	54.7
Hubner Seed	H4390RC2P	108	163	54.1
Seed Consultants	SC1112AM™	111	160	54.9
DEKALB	DKC61-41RIB	111	155	54.2
FS	FS 6194V RIB	111	144	54.0
	Maturity Average		175	54.1
	L.S.D. (0.05)		33	1.2
	C.V.		12	1.5
112-115 Days Relative Maturity				
Hubner Seed	H13G513	113	216	53.0
Dyna-Gro	D54VC34	114	214	53.9
DEKALB	DKC62-70RIB	112	208	55.0
Progeny	PGY 9114VT2P	114	205	55.3
FS	FS 65R87VT2P	115	196	54.0
Hubner Seed	H4763RC2P	115	194	55.0
FS	FS 6306T RIB	113	194	53.7
DEKALB	DKC65-95RIB	115	191	54.5
Progeny	PGY 2015VT2P	115	188	57.5
DEKALB	DKC62-89RIB	112	187	54.9
FS	FS 6595V RIB	115	187	55.4
Progeny	PGY EXP 1912VT2P	112	185	55.5
MorCorn	MC 4319	113	183	54.3
Progeny	PGY 2025DGVT2P	115	182	54.4
DEKALB	DKC64-65RIB	114	182	55.0
MorCorn	MC 4311	113	172	53.8
Seed Consultants	SC1122Q™	112	171	55.3
Pioneer Brand	P1506AM	115	167	55.0
Progeny	PGY EXP 112VT2P	112	166	54.2
Progeny	PGY 2012VT2P	112	166	54.6
Progeny	PGY EXP 115TRE	115	165	55.1
DEKALB	DKC65-84RIB	115	164	54.5
FS	FS 62ZV1 RIB	112	164	54.8
Seed Consultants	SC1158AM™	115	160	55.6

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

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Hubner Seed	H09G056	109	144	52.1
DEKALB	DKC59-82RIB	109	134	52.1
Hubner Seed	H4563RC2P	111	124	52.6
NK Brand	NK1082-5222	110	122	51.2
DEKALB	DKC61-41RIB	111	112	52.1
	Maturity Average		127	52.0
	L.S.D. (0.05)		29	0.8
	C.V.		20	1.3
112-115 Days Relative Maturity				
Dyna-Gro	D54VC34	114	141	52.7
Hubner Seed	H4763RC2P	115	139	53.7
DEKALB	DKC65-95RIB	115	135	53.0
Progeny	PGY 9114VT2P	114	131	53.9
Progeny	PGY 2025DGVT2P	115	127	53.1
Progeny	PGY 2015VT2P	115	123	54.8
Progeny	PGY 2012VT2P	112	120	53.2
Seed Consultants	SC1158AM™	115	118	53.8
	Maturity Average		129	53.5
	L.S.D. (0.05)		21	1.0
	C.V.		15	1.6
>115 Days Relative Maturity				
Hubner Seed	H4890RC2P	117	132	53.4
DEKALB	DKC67-44RIB	117	124	52.6
Seed Consultants	SC1168AM™	116	123	52.2
DEKALB	DKC70-27RIB	120	122	52.9
Seed Consultants	SC1188AM™	118	121	52.2
Hubner Seed	H4828RC2P	116	117	52.9
NK Brand	NK1748-3110	117	116	52.0
NK Brand	NK1677-3110	116	116	53.2
Seed Consultants	SC1170AM™	117	113	52.6
Progeny	PGY 8116SS	116	111	53.5
DEKALB	DKC68-69RIB	118	93	53.5
	Maturity Average		117	52.8
	L.S.D. (0.05)		20	1.2
	C.V.		15	2.0
	Location Average		125	52.8

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Seed Consultants	SC1112AM™	111	168	53.2
Progeny	PGY EXP 2010TRE	110	140	51.8
MorCorn	MC 3952	109	139	54.3
MorCorn	MC 4161	111	138	54.1
Progeny	PGY 2008VT2P	108	136	51.3
Hubner Seed	H4563RC2P	111	134	53.1
DEKALB	DKC61-41RIB	111	133	52.4
Hubner Seed	H09G056	109	131	51.6
DEKALB	DKC59-82RIB	109	127	52.0
Hubner Seed	H4390RC2P	108	126	53.0
Pioneer Brand	P1185AM	111	122	54.3
FS	FS 6194V RIB	111	117	52.7
	Maturity Average		134	52.8
	L.S.D. (0.05)		35	1.9
	C.V.		16	2.5
112-115 Days Relative Maturity				
MorCorn	MC 4311	113	182	53.2
Dyna-Gro	D54VC34	114	170	53.8
FS	FS 6306T RIB	113	163	52.8
MorCorn	MC 4319	113	162	54.1
Seed Consultants	SC1122Q™	112	156	53.9
FS	FS 62ZV1 RIB	112	153	53.8
Progeny	PGY EXP 112VT2P	112	153	53.9
Progeny	PGY 9114VT2P	114	152	55.1
Augusta	A3663	113	151	53.7
Hubner Seed	H4763RC2P	115	150	54.2
Hubner Seed	H13G513	113	150	52.6
Augusta	A2362	112	150	53.3
FS	FS 6595V RIB	115	149	53.4
Progeny	PGY 2025DGVT2P	115	148	53.0
DEKALB	DKC65-95RIB	115	146	52.9
DEKALB	DKC64-65RIB	114	145	53.4
Progeny	PGY 2012VT2P	112	141	53.7
FS	FS 65R87VT2P	115	140	54.0
Seed Consultants	SC1158AM™	115	138	54.6
Progeny	PGY 2015VT2P	115	136	55.3
Progeny	PGY EXP 115TRE	115	136	54.6
DEKALB	DKC65-84RIB	115	132	54.5
DEKALB	DKC62-70RIB	112	130	54.6
Pioneer Brand	P1506AM	115	128	53.9
MorCorn	MC 4255	112	128	52.7
DEKALB	DKC62-89RIB	112	127	54.0

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

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
DEKALB	DKC61-41RIB	111	101	51.0
DEKALB	DKC59-82RIB	109	93	51.3
MorCorn	MC 3952	109	91	54.3
Hubner Seed	H4563RC2P	111	69	53.1
Hubner Seed	H09G056	109	64	51.6
	Maturity Average		83	52.2
	L.S.D. (0.05)		23	1.9
	C.V.		24	2.7
112-115 Days Relative Maturity				
Dyna-Gro	D54VC34	114	127	53.4
Progeny	PGY 2025DGVT2P	115	125	52.3
Progeny	PGY 9114VT2P	114	117	54.6
DEKALB	DKC65-95RIB	115	115	53.1
Hubner Seed	H4763RC2P	115	104	53.9
Progeny	PGY 2015VT2P	115	94	55.1
MorCorn	MC 4319	113	94	51.5
MorCorn	MC 4255	112	87	52.3
	Maturity Average		108	53.3
	L.S.D. (0.05)		27	1.7
	C.V.		22	1.6
>115 Days Relative Maturity				
DEKALB	DKC70-27RIB	120	123	53.7
MorCorn	MC 4725	117	119	53.0
DEKALB	DKC67-44RIB	117	115	53.4
MorCorn	MC 4670	116	115	54.7
Hubner Seed	H4828RC2P	116	114	53.1
Hubner Seed	H4890RC2P	117	102	52.8
DEKALB	DKC68-69RIB	118	95	54.1
	Maturity Average		112	53.6
	L.S.D. (0.05)		21	1.6
	C.V.		16	2.6
	Location Average		101	53.0

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Progeny	PGY 2008VT2P	108	235	54.5
Hubner Seed	H09G056	109	224	52.7
Seed Consultants	SC1112AM™	111	214	53.3
DEKALB	DKC61-41RIB	111	206	53.0
Augusta	A1259	109	203	52.4
Hubner Seed	H4563RC2P	111	203	53.8
Dyna-Gro	D52VC63	111	197	55.2
Progeny	PGY EXP 2010TRE	110	195	51.7
MorCorn	MC 4161	111	193	54.8
Augusta	A1961	111	182	53.2
MorCorn	MC 3952	109	182	54.2
Pioneer Brand	P1185AM	111	181	55.9
Hubner Seed	H4390RC2P	108	180	54.4
FS	FS 6194V RIB	111	177	53.5
DEKALB	DKC59-82RIB	109	176	54.0
	Maturity Average		197	53.8
	L.S.D. (0.05)		35	1.7
	C.V.		11	2.1
112-115 Days Relative Maturity				
Hubner Seed	H13G513	113	229	52.2
FS	FS 6306T RIB	113	216	55.2
MorCorn	MC 4319	113	216	53.9
DEKALB	DKC65-95RIB	115	209	54.2
Augusta	A3663	113	208	53.3
DEKALB	DKC64-65RIB	114	207	53.6
Progeny	PGY 2025DGVT2P	115	207	53.2
Hubner Seed	H4763RC2P	115	207	53.5
Progeny	PGY 9114VT2P	114	206	55.4
Pioneer Brand	P1506AM	115	204	54.4
LG Seeds	LG5643VT2PRO	114	204	54.3
Dyna-Gro	D54VC34	114	204	54.8
DEKALB	DKC62-89RIB	112	203	54.5
FS	FS 6595V RIB	115	202	53.6
MorCorn	MC 4311	113	202	53.6
Progeny	PGY EXP 112VT2P	112	201	53.5
Dyna-Gro	D54VC14	114	200	54.7
Progeny	PGY EXP 1912VT2P	112	200	54.9
Progeny	PGY 2012VT2P	112	199	53.7
FS	FS 65R87VT2P	115	198	55.1
MorCorn	MC 4255	112	195	54.2
DEKALB	DKC62-70RIB	112	194	55.1
Seed Consultants	SC1158AM™	115	194	54.8

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

>115 Days Relative Maturity

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

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
DEKALB	DKC61-41RIB	111	142	52.0
Hubner Seed	H4563RC2P	111	135	52.6
MorCorn	MC 3952	109	128	53.8
Hubner Seed	H09G056	109	120	52.5
DEKALB	DKC59-82RIB	109	119	52.5
	Maturity Average		129	52.7
	L.S.D. (0.05)		18	1.7
	C.V.		8	1.6
112-115 Days Relative Maturity				
Seed Consultants	SC1158AM™	115	161	53.2
Hubner Seed	H4763RC2P	115	160	52.9
Dyna-Gro	D54VC34	114	155	52.6
MorCorn	MC 4319	113	153	52.8
Dyna-Gro	D54VC14	114	144	53.1
DEKALB	DKC65-95RIB	115	140	52.3
Progeny	PGY 2025DGV2P	115	128	53.0
MorCorn	MC 4255	112	124	52.4
Progeny	PGY 9114VT2P	114	119	53.8
Progeny	PGY 2012VT2P	112	114	52.8
Progeny	PGY 2015VT2P	115	109	53.5
	Maturity Average		137	52.9
	L.S.D. (0.05)		32	1.4
	C.V.		15	1.6
>115 Days Relative Maturity				
MorCorn	MC 4670	116	147	52.6
DEKALB	DKC67-44RIB	117	146	53.8
DEKALB	DKC70-27RIB	120	144	53.0
Hubner Seed	H4890RC2P	117	136	53.1
Seed Consultants	SC1188AM™	118	136	52.7
Hubner Seed	H4828RC2P	116	133	52.2
DEKALB	DKC68-69RIB	118	132	52.9
Seed Consultants	SC1168AM™	116	128	53.9
MorCorn	MC 4725	117	125	52.4
Seed Consultants	SC1170AM™	117	120	52.4
	Maturity Average		135	52.9
	L.S.D. (0.05)		24	1.0
	C.V.		11	1.2
	Location Average		133	52.8

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Seed Consultants	SC1112AM™	111	303	54.9
Hubner Seed	H09G056	109	298	53.0
DEKALB	DKC59-82RIB	109	287	53.5
Progeny	PGY EXP 2010TRE	110	287	53.2
DEKALB	DKC61-41RIB	111	287	52.4
Augusta	A1961	111	286	53.7
Pioneer Brand	P1185AM	111	280	56.4
Augusta	A1259	109	273	53.6
Hubner Seed	H4563RC2P	111	273	55.5
MorCorn	MC 4161	111	270	55.4
Hubner Seed	H4390RC2P	108	267	54.9
MorCorn	MC 3952	109	258	55.5
Dyna-Gro	D52VC63	111	258	54.6
Progeny	PGY 2008VT2P	108	252	54.5
FS	FS 6194V RIB	111	243	54.3
	Maturity Average		275	54.3
	L.S.D. (0.05)		33	1.4
	C.V.		7	1.9
112-115 Days Relative Maturity				
Dyna-Gro	D54VC34	114	314	55.3
Pioneer Brand	P1506AM	115	298	55.6
Hubner Seed	H13G513	113	296	54.3
Dyna-Gro	D54VC14	114	290	55.0
Progeny	PGY 2025DGVT2P	115	286	54.2
FS	FS 6306T RIB	113	285	55.0
LG Seeds	LG5643VT2PRO	114	284	54.2
DEKALB	DKC62-70RIB	112	281	56.4
Seed Consultants	SC1122Q™	112	278	54.6
Progeny	PGY 9114VT2P	114	277	56.4
DEKALB	DKC65-95RIB	115	277	54.4
DEKALB	DKC62-89RIB	112	274	54.7
FS	FS 65R87VT2P	115	274	55.8
Progeny	PGY EXP 115TRE	115	273	55.4
Progeny	PGY 2012VT2P	112	271	54.8
Augusta	A3663	113	270	54.7
MorCorn	MC 4311	113	269	54.4
FS	FS 6595V RIB	115	268	54.3
Hubner Seed	H4763RC2P	115	267	54.6
Seed Consultants	SC1158AM™	115	267	55.7
DEKALB	DKC64-65RIB	114	265	54.9
MorCorn	MC 4319	113	264	54.4
Progeny	PGY EXP 112VT2P	112	261	55.2

Augusta	A2362	112	255	53.8
Progeny	PGY 2015VT2P	115	255	57.2
Progeny	PGY EXP 1912VT2P	112	252	55.7
MorCorn	MC 4255	112	248	55.3
FS	FS 62ZV1 RIB	112	248	55.0
DEKALB	DKC65-84RIB	115	245	54.4
Maturity Average			272	55.0
L.S.D. (0.05)			27	1.2
C.V.			8	1.6
>115 Days Relative Maturity				
Seed Consultants	SC1168AM™	116	302	56.1
DEKALB	DKC70-27RIB	120	302	56.1
Seed Consultants	SC1188AM™	118	293	55.2
DEKALB	DKC68-69RIB	118	291	55.8
MorCorn	MC 4725	117	289	56.1
FS	FS 6606T RIB	116	286	54.6
Seed Consultants	SC1170AM™	117	284	55.3
LG Seeds	LG66C44VT2PRO	116	273	54.5
DEKALB	DKC67-44RIB	117	273	55.5
DEKALB	DKC68-48RIB	118	273	55.5
Hubner Seed	H4828RC2P	116	271	55.6
DEKALB	DKC67-94RIB	117	265	53.7
Hubner Seed	H4890RC2P	117	263	56.0
FS	FS 66ZV1 RIB	116	251	56.1
MorCorn	MC 4670	116	250	56.8
Maturity Average			278	55.5
L.S.D. (0.05)			24	1.3
C.V.			6	1.6
Location Average			275	55.0

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
Seed Consultants	SC1112AM™	111	148	53.6
Pioneer Brand	P1185AM	111	143	54.6
Progeny	PGY EXP 2010TRE	110	140	51.4
Hubner Seed	H09G056	109	133	52.3
Hubner Seed	H4390RC2P	108	133	53.7
DEKALB	DKC59-82RIB	109	132	52.2
DEKALB	DKC61-41RIB	111	129	52.7
Hubner Seed	H4563RC2P	111	127	52.7
Dyna-Gro	D52VC63	111	124	52.5
FS	FS 6194V RIB	111	117	52.4
NK Brand	NK1082-5222	110	112	52.7
Progeny	PGY 2008VT2P	108	107	53.9
	Maturity Average		129	52.9
	L.S.D. (0.05)		19	1.0
	C.V.		13	1.7
112-115 Days Relative Maturity				
FS	FS 6306T RIB	113	144	53.0
FS	FS 65R87VT2P	115	141	54.1
FS	FS 62ZV1 RIB	112	138	53.3
DEKALB	DKC65-95RIB	115	135	53.5
FS	FS 6595V RIB	115	134	52.6
Seed Consultants	SC1158AM™	115	134	52.6
Progeny	PGY EXP 1912VT2P	112	133	54.9
Hubner Seed	H4763RC2P	115	133	52.7
Hubner Seed	H13G513	113	131	51.4
Progeny	PGY EXP 115TRE	115	129	54.6
Progeny	PGY 2012VT2P	112	127	52.8
Dyna-Gro	D54VC34	114	125	53.0
DEKALB	DKC65-84RIB	115	124	53.3
DEKALB	DKC62-70RIB	112	124	54.8
DEKALB	DKC64-65RIB	114	123	53.6
Progeny	PGY EXP 112VT2P	112	122	52.9
Dyna-Gro	D54VC14	114	122	53.3
LG Seeds	LG5643VT2PRO	114	120	54.4
Progeny	PGY 9114VT2P	114	119	54.6
Progeny	PGY 2015VT2P	115	118	55.9
Seed Consultants	SC1122Q™	112	115	53.6
Progeny	PGY 2025DGVT2P	115	112	52.5
DEKALB	DKC62-89RIB	112	111	53.7
Pioneer Brand	P1506AM	115	108	54.9
	Maturity Average		126	53.6

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

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Test Wt. lb/bu
108-111 Days Relative Maturity				
NK Brand	NK1082-5222	110	213	49.4
DEKALB	DKC59-82RIB	109	212	51.4
DEKALB	DKC61-41RIB	111	199	51.4
Hubner Seed	H09G056	109	197	50.2
Hubner Seed	H4563RC2P	111	184	53.5
	Maturity Average		201	51.2
	L.S.D. (0.05)		28	2.9
	C.V.		9	3.3
112-115 Days Relative Maturity				
DEKALB	DKC65-95RIB	115	241	51.7
Hubner Seed	H4763RC2P	115	240	52.4
Dyna-Gro	D54VC34	114	236	51.1
Seed Consultants	SC1158AM™	115	232	52.5
Dyna-Gro	D54VC14	114	228	52.7
Progeny	PGY 2025DGVT2P	115	223	51.1
Progeny	PGY 9114VT2P	114	208	52.6
Progeny	PGY 2015VT2P	115	207	53.3
	Maturity Average		227	52.2
	L.S.D. (0.05)		24	1.4
	C.V.		6	1.3
>115 Days Relative Maturity				
Seed Consultants	SC1188AM™	118	251	51.5
NK Brand	NK1748-3110	117	246	50.9
Seed Consultants	SC1170AM™	117	244	51.4
DEKALB	DKC67-44RIB	117	234	52.2
NK Brand	NK1677-3110	116	228	49.8
DEKALB	DKC70-27RIB	120	225	52.1
Hubner Seed	H4828RC2P	116	222	52.2
Seed Consultants	SC1168AM™	116	221	51.0
Hubner Seed	H4890RC2P	117	220	52.6
DEKALB	DKC68-69RIB	118	215	52.1
Progeny	PGY 8116SS	116	193	52.4
	Maturity Average		227	51.6
	L.S.D. (0.05)		39	1.4
	C.V.		10	1.4
	Location Average		218	51.7

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Progeny	PGY EXP 2010TRE	110	242	18.0	51.9
Hubner Seed	H09G056	109	240	18.5	50.4
Seed Consultants	SC1112AM™	111	224	21.1	51.0
Hubner Seed	H4563RC2P	111	220	19.1	52.0
DEKALB	DKC61-41RIB	111	219	18.1	50.1
DEKALB	DKC59-82RIB	109	217	18.5	51.4
Hubner Seed	H4390RC2P	108	211	18.2	51.5
NK Brand	NK1082-5222	110	207	21.1	50.1
Pioneer Brand	P1185AM	111	201	18.8	54.7
Progeny	PGY 2008VT2P	108	201	17.6	51.6
	Maturity Average		218	18.9	51.5
	L.S.D. (0.05)		20	1.8	1.4
	C.V.		6	6.5	1.8
112-115 Days Relative Maturity					
Progeny	PGY 2025DGV2P	115	249	21.5	50.9
Progeny	PGY 2012VT2P	112	245	21.3	50.6
DEKALB	DKC65-95RIB	115	240	20.3	52.2
DEKALB	DKC62-89RIB	112	233	18.5	51.6
DEKALB	DKC62-70RIB	112	231	19.1	53.7
Hubner Seed	H13G513	113	228	19.2	51.8
Progeny	PGY EXP 115TRE	115	227	21.1	52.6
Progeny	PGY 9114VT2P	114	225	20.1	52.5
Progeny	PGY EXP 1912VT2P	112	224	19.5	51.1
Progeny	PGY EXP 112VT2P	112	219	18.6	52.1
FS	FS 6406X RIB	114	218	20.6	52.5
FS	FS 65R87SS	115	217	21.3	51.0
DEKALB	DKC65-84RIB	115	216	22.8	50.5
FS	FS 6595X RIB	115	214	22.3	52.4
DEKALB	DKC64-65RIB	114	210	22.0	51.6
FS	FS 62ZX1 RIB	112	209	20.0	51.4
Seed Consultants	SC1122Q™	112	206	20.1	52.3
Hubner Seed	H4763RC2P	115	204	22.8	51.1
Pioneer Brand	P1506AM	115	199	23.3	53.6
Seed Consultants	SC1158AM™	115	199	21.2	52.2
Progeny	PGY 2015VT2P	115	196	19.8	53.7
	Maturity Average		220	20.7	52.0
	L.S.D. (0.05)		23	2.1	1.4
	C.V.		7	7.2	1.9
>115 Days Relative Maturity					
DEKALB	DKC68-69RIB	118	231	25.2	51.3
DEKALB	DKC68-48RIB	118	230	21.9	50.7
Progeny	PGY 8116VT2P	116	229	21.7	51.8

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

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Progeny	PGY EXP 2010TRE	110	242	18.0	51.9
Hubner Seed	H09G056	109	240	18.5	50.4
Seed Consultants	SC1112AM™	111	224	21.1	51.0
Hubner Seed	H4563RC2P	111	220	19.1	52.0
DEKALB	DKC61-41RIB	111	219	18.1	50.1
DEKALB	DKC59-82RIB	109	217	18.5	51.4
Hubner Seed	H4390RC2P	108	211	18.2	51.5
NK Brand	NK1082-5222	110	207	21.1	50.1
Pioneer Brand	P1185AM	111	201	18.8	54.7
Progeny	PGY 2008VT2P	108	201	17.6	51.6
	Maturity Average		218	18.9	51.5
	L.S.D. (0.05)		20	1.8	1.4
	C.V.		6	6.5	1.8
112-115 Days Relative Maturity					
Progeny	PGY 2025DGVT2P	115	249	21.5	50.9
Progeny	PGY 2012VT2P	112	245	21.3	50.6
DEKALB	DKC65-95RIB	115	240	20.3	52.2
DEKALB	DKC62-89RIB	112	233	18.5	51.6
DEKALB	DKC62-70RIB	112	231	19.1	53.7
Hubner Seed	H13G513	113	228	19.2	51.8
Progeny	PGY EXP 115TRE	115	227	21.1	52.6
Progeny	PGY 9114VT2P	114	225	20.1	52.5
Progeny	PGY EXP 1912VT2P	112	224	19.5	51.1
Progeny	PGY EXP 112VT2P	112	219	18.6	52.1
FS	FS 6406X RIB	114	218	20.6	52.5
FS	FS 65R87SS	115	217	21.3	51.0
DEKALB	DKC65-84RIB	115	216	22.8	50.5
FS	FS 6595X RIB	115	214	22.3	52.4
DEKALB	DKC64-65RIB	114	210	22.0	51.6
FS	FS 62ZX1 RIB	112	209	20.0	51.4
Seed Consultants	SC1122Q™	112	206	20.1	52.3
Hubner Seed	H4763RC2P	115	204	22.8	51.1
Pioneer Brand	P1506AM	115	199	23.3	53.6
Seed Consultants	SC1158AM™	115	199	21.2	52.2
Progeny	PGY 2015VT2P	115	196	19.8	53.7
	Maturity Average		220	20.7	52.0
	L.S.D. (0.05)		23	2.1	1.4
	C.V.		7	7.2	1.9
>115 Days Relative Maturity					
DEKALB	DKC68-69RIB	118	231	25.2	51.3
Dyna-Gro	D52VC63	111	230	21.9	50.7
Progeny	PGY 8116VT2P	116	229	21.7	51.8

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

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 Shenandoah Valley site in 2021 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Seed Consultants	SC1112AM™	111	298	20.5	53.7
Mid-Atlantic	MA8110TREC	111	289	21.3	53.7
DEKALB	DKC59-82RIB	109	275	21.2	52.7
Hubner Seed	H09G056	109	270	20.3	50.7
Progeny	PGY 2008VT2P	108	266	19.3	52.7
Hubner Seed	H4563RC2P	111	260	22.4	53.2
Progeny	PGY EXP 2010TRE	110	253	19.2	53.1
Augusta	A1961	111	251	19.6	51.5
Augusta	A1259	109	249	21.6	51.4
Mid-Atlantic	MA5083DCEZ	108	248	19.9	51.3
Pioneer Brand	P1185AM	111	247	18.9	54.9
DEKALB	DKC61-41RIB	111	240	20.7	52.4
Hubner Seed	H4390RC2P	108	236	20.9	52.9
Mid-Atlantic	MA8106VT2PRIB	110	224	19.7	54.9
NK Brand	NK1082-5222	110	172	19.6	52.0
	Maturity Average		252	20.3	52.7
	L.S.D. (0.05)		25	1.6	3.8
	C.V.		7	5.5	1.8
112-115 Days Relative Maturity					
Hubner Seed	H13G513	113	270	21.5	52.7
Pioneer Brand	P1506AM	115	264	25.9	52.6
DEKALB	DKC65-95RIB	115	263	20.9	53.4
Mid-Atlantic	MA5155GT3VIP	115	263	26.6	53.1
FS	FS 6406X RIB	114	261	22.6	53.2
Hubner Seed	H4763RC2P	115	261	21.8	52.9
Mid-Atlantic	MA8128VT2PRIB	112	258	20.9	53.5
Progeny	PGY EXP 115TRE	115	256	23.3	53.5
Mid-Atlantic	MA8158SSRIB	115	250	22.0	53.9
Progeny	PGY 2012VT2P	112	249	20.8	53.2
FS	FS 65R87SS	115	247	21.2	52.7
Seed Consultants	SC1122Q™	112	246	20.6	53.6
Progeny	PGY EXP 1912VT2P	112	246	19.8	53.9
LG Seeds	LG5643VT2PRO	114	245	21.7	51.6
Progeny	PGY 2015VT2P	115	244	20.2	54.5
DEKALB	DKC64-65RIB	114	242	22.0	53.1
Progeny	PGY 2025DGVT2P	115	240	23.4	51.4
DEKALB	DKC62-89RIB	112	239	22.2	53.2
FS	FS 62ZX1 RIB	112	239	19.1	53.7
Progeny	PGY EXP 112VT2P	112	238	22.2	52.3
Progeny	PGY 9114VT2P	114	238	20.4	53.9

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

>115 Days Relative Maturity

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

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

² Reported at 15.5% moisture.

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
NK Brand	NK1082-5222	110	155	16.8	52.9
Mid-Atlantic	MA8106VT2PRIB	110	154	17.2	54.4
DEKALB	DKC59-82RIB	109	142	15.9	55.2
Hubner Seed	H4563RC2P	111	138	18.6	54.0
Hubner Seed	H09G056	109	126	20.4	54.0
	Maturity Average		143	17.8	54.1
	L.S.D. (0.05)		24	3.6	1.5
	C.V.		11	15.7	1.0
112-115 Days Relative Maturity					
Progeny	PGY 2012VT2P	112	173	15.7	54.1
Augusta	A4463	113	173	17.2	53.3
Mid-Atlantic	MA8141DGVT2PRIB	114	165	19.4	53.3
DEKALB	DKC65-95RIB	115	165	17.0	55.6
Mid-Atlantic	MA8158SSRIB	115	164	18.6	55.8
Hubner Seed	H4763RC2P	115	164	19.3	54.5
Mid-Atlantic	MA8128VT2PRIB	112	164	17.3	54.2
Progeny	PGY 9114VT2P	114	158	16.9	56.0
Progeny	PGY 2025DGVT2P	115	153	18.5	54.3
Mid-Atlantic	MA5155GT3VIP	115	150	19.6	55.5
Progeny	PGY 2015VT2P	115	139	15.2	57.1
Seed Consultants	SC1158AM™	115	129	18.8	52.9
	Maturity Average		158	17.8	54.7
	L.S.D. (0.05)		19	2.0	1.7
	C.V.		11	6.7	1.8
>115 Days Relative Maturity					
Hubner Seed	H4828RC2P	116	180	18.2	54.3
DEKALB	DKC67-44RIB	117	176	17.2	54.7
DEKALB	DKC70-27RIB	120	163	20.0	53.4
Hubner Seed	H4890RC2P	117	163	18.9	55.2
NK Brand	NK1748-3110	117	151	18.5	53.0
DEKALB	DKC68-69RIB	118	149	21.0	53.5
Seed Consultants	SC1168AM™	116	148	20.0	53.0
Seed Consultants	SC1170AM™	117	134	18.2	54.7
NK Brand	NK1677-3110	116	130	18.3	53.1
Progeny	PGY 8116SS	116	127	15.5	56.1
Seed Consultants	SC1188AM™	118	110	20.6	53.3
	Maturity Average		148	18.8	54.0
	L.S.D. (0.05)		19	1.8	1.7
	C.V.		17	6.2	2.0
	Location Average		150	18.1	54.3

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

² Reported at 15.5% moisture.

Visit Virginia Cooperative Extension: ext.vt.edu

Virginia Cooperative Extension is a partnership of Virginia Tech, Virginia State University, the U.S. Department of Agriculture, and local governments. Its programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, military status, or any other basis protected by law.

2021

VCE-000NP