



Virginia Corn Hybrid Trials in 2023

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Companies Participating in the 2023 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
Bayer	DEKALB, Hubner	800 N Lindbergh Blvd., St Louis, MO 63167
Corteva Agrisciences	Pioneer	PO Box 1000, Johnston, IA 50131
GROWMARK	FS	1529 Hwy 193, Wynne, AR 72396
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

Acknowledgement

The entry fees paid by the participating companies help support the Virginia Corn Hybrid and Management Trials. Appreciation is expressed to the Virginia Corn Check-Off Board for the continued financial support of this research and the Virginia Extension corn program.

Introduction

Locations and Data Collection

The 2023 Virginia performance trials of commercial corn (*Zea mays L.*) hybrids were conducted at six dryland locations (Blacksburg, Montgomery Co., Holland, Nansemond Co. Blackstone, Nottoway Co., Orange, Orange Co., Mt. Holly, Westmoreland Co., and Shenandoah, Page Co., and one irrigated location - Mt. Holly, Westmoreland Co. At all locations, corn was planted with a Wintersteiger PlotKing 2600 planter (Wintersteiger Inc., Salt Lake City, UT). At all locations, corn was harvested at maturity with a Massey-Ferguson 8XP plot combine harvester (Massey Ferguson, Duluth, GA). Plot grain weights (lb/ac), grain test weight (lb/bu), at grain moisture (%) were measured with a GrainGage® by HarvestMaster (Juniper Systems, Logan, UT, USA). Plot grain weights have been adjusted to a standardized moisture content of 15.5%.

Data Analysis

Statistical analysis was done to determine what differences were real (associated with the hybrids) and truly significant and not simply due to random variation. The Least Significant Difference LSD (.05) allows to make valid comparisons among hybrids at the 95% confidence level. If the difference between yields of any two hybrids is greater than the LSD value, the difference in yield is considered real/significant and not due random variation or error. Coefficient of Variation (CV, %) is a measurement of the precision of each field trial. Lower CV values indicate less variation and greater precision.

Comparing Yields

Corn yield potential and response to applied treatments change year to year (temporal variability) and field to field (spatial variability). Experimental plots vary in yield and other measurements due to location in the field and other factors which cannot be controlled. Companies participating in the Corn Hybrid Trials may choose to enter their hybrids to be tested at any or all locations. When not all hybrids are planted at all locations, combining, and comparing absolute yields and other results from multiple sites is not meaningful.

A hybrid evaluated only at sites with ideal growing conditions might have an unfair advantage compared to a hybrid evaluated at sites with less-than-ideal conditions that would expectedly have lower yields. Relative yields help determine whether yield differences were because of differences in genetic yield potential or simply because of differences in the environmental conditions. The relative yield values are used to make comparisons between hybrids evaluated at the same site or at different sites. To calculate relative yield, the yield of each hybrid at each site is divided by the average yield of all hybrids at that site and multiplied by 100. For hybrids evaluated at multiple sites, multi-site relative yield average values can also be calculated.

Relative yield values of 100 indicate hybrids that were average performers. Relative yield values greater than 100 indicate above average yielding hybrid. Relative yield values less than 100 indicate below-average performance. The magnitude of the relative yield values reflects how far above or below average a hybrid performed. For example, a hybrid with a relative yield value of 110 yielded 10% 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 adapted to a wider range of environments. Hybrid performance may vary with year and location, variations in temperature, precipitation, pests, diseases, and other environmental factors. Great care should be taken in interpreting the results of a single year's tests, especially at only one location. The highest-yielding variety from a single location will rarely be the highest-yielding variety the following year at that location. The highest-yielding variety selected from multiple location averages will usually be a variety that will yield among the best the following year at any location. It is wise to compare hybrids' relative performance across locations. The relative yield summary tables are helpful when comparing the yield of a hybrid to the average yield of all hybrids evaluated in the test. Multi-year average yield values may provide an estimate of potential yield with greater confidence. With rapid advances in plant breeding research and development, hybrids turnover rate is increasing. While potential yield is often the deciding factor, other characteristics including disease and pest resistance are important when choosing a corn hybrid.

2023 Virginia Corn Hybrid Plot Information

Blacksburg, VA

Kentland Farm, Virginia Tech

Soil Type	Hayter loam
Previous crop	Corn
Pre-plant fertilizers	40-100-60; 17 gal 15-15-0-2S at planting
Planted	April 27, 2023, no-till
Plot Size	2 rows 25' x 30"; 4 replications
Plant Population	27,800 plants/a
Pesticides	2 qt glyphosate; 1 pt atrazine 4L + 3 qt at planting
Side-dress fertilizer	160 lb N UAN (Urea Ammonium Nitrate) side-dressed June 2, 2023
Harvested	October 3, 2023
Cooperator	Brooks Saville

Blackstone, VA

Southern Piedmont AREC, Virginia Tech

Soil Type	Appling sandy loam
Pre-plant fertilizers	1,000 lb as 10-10-10 April 12, 2023
Planted	April 17, 2023, conventional tillage
Plot Size	2 rows 25' x 30"; 4 replications
Plant Population	25,200 plants/a
Pesticides	2.5 qt Bicep April 25, 2023
Side-dress fertilizer	60 lb UAN top-dressed May 23, 2023

Harvested September 22, 2023
Cooperator Ned Jones

Holland, VA

Tidewater AREC, Virginia Tech

Soil Type Emporia, Nansemond
Pre-plant fertilizers 400 lb 15-10-15 April 5, 2023
Planted April 10, 2023, no-till
Plot Size 2 rows 25' x 30" 4 replications
Plant Population 25,200 plants/a
Pesticides 1 qt glyphosate + 1 pt 2,4-D + 1 qt Liberty March 29, 2023; 1 qt Bicep® + 2 pt Simazine April 5, 2023
Side-dress fertilizer 60 gal 24-0-0-3 side-dressed May 23, 2023
Harvested September 5, 2023
Cooperator Karl Jones

Orange, VA

Northern Piedmont Center (NPC), Virginia Tech

Soil Type Davidson clay
Previous crop Soybeans
Pre-plant fertilizers 183 lb 30-60-20 April 18, 2023
Planted April 20, 2023, no-till into soybean stubble
Plot Size 2 rows 25' x 30"; 4 replications
Plant Population 27,800 plants/a
Pesticides 1.5 qt Lumax® + 2 qt glyphosate + 1 pt atrazine April 18, 2023; 0.67 oz Accent April 18, 2023
Side-dress fertilizer 100 lb N June 15, 2023
Harvested September 20, 2023
Cooperator Greg Lillard

Shenandoah Valley, VA

Thanks to Jason Stuth of Jaylin Farms

Previous Crop Fallow after soybeans in 2022
Pre-plant fertilizers 100 lb N, 80 lb P, 120 lb K pre-plant
Planted April 25, 2023, no-till

Plot Size	2 rows 25' x 30"; 4 replications
Plant Population	27,800 plants/a
Pesticides	16 oz dicamba, 1 qt glyphosate, 1.5-pint Empyros, 1 pt/100 gal adjuvant pre-plant; 44.5 oz Miravis Neo, 1 gal Coron, 1.92 oz Warrior at tasseling
Side-dress fertilizer	125 lb 32% UAN side-dressed
Harvested	October 4, 2023
Cooperator	Doug Horn and Jason Stuth

Mt. Holly, VA (dryland)

Virginia Crop Improvement Association (VCIA) Foundation Seed Farm

Soil Type	Nansemond, Lumbee, State
Previous Crop	Soybeans
Pre-plant fertilizers	60 lb N pre-plant
Planted	April 18, 2023, no-till into soybean stubble
Plot Size	2 rows 25' x 30"; 4 replications
Plant Population	25,200 plants/a
Pesticides	1.5 qt Acuron® + 1 qt Princep® pre-plant; 24 oz Acuron® + 2 oz dicamba post-plant + 1 pt atrazine top-dressed
Side-dress fertilizer	60 lb N May 31, 2023; 60 lb N June 6, 2023
Harvested	September 18, 2023

Mt. Holly, VA (irrigated)

Virginia Crop Improvement Association (VCIA) Foundation Seed Farm

Soil Type	State fine sandy loam
Previous Crop	Soybeans
Pre-plant fertilizers	60 lb N pre-plant
Planted	April 18, 2023, no-till into soybean stubble
Plot Size	2 rows 25' x 30"; 4 replications
Plant Population	30,200 plants/a
Pesticides	1.5 qt Acuron® + 1 qt Princep® pre-plant; 24 oz Acuron® + 2 oz dicamba post-plant + 1 pt atrazine top-dressed

Side-dress fertilizer	80 lb N on May 30, 2023, side-dressed, 80 lb N June 8, 2023 side-dressed; 60 lb N June 30, 2023, applied with center pivot
Harvested	September 18, 2023

Table 1. List of Hybrids in the 2023 Virginia Corn Hybrid Trials

Company	Brand	Hybrid	¹ DTM per Co	Insect	Genetics
Augusta Seed Corporation	Augusta Seed	A1365	115	Cruiser®	PCE
Augusta Seed Corporation	Augusta Seed	A3363	113	Cruiser®	DGVT2P
Augusta Seed Corporation	Augusta Seed	A1964	114	Cruiser®	3110GT
Augusta Seed Corporation	Augusta Seed	A6664	114	Cruiser®	VT2P
Augusta Seed Corporation	Augusta Seed	A1958	108	Cruiser®	DV
Augusta Seed Corporation	Augusta Seed	A2262	112	Cruiser®	3110GT
Augusta Seed Corporation	Augusta Seed	A2164	114	Cruiser®	PCE
Augusta Seed Corporation	Augusta Seed	A7168	118	Cruiser®	VT2P
Bayer Crop Science	DEKALB	DKC110-41RIB	110	A500	TRERIB
Bayer Crop Science	DEKALB	DKC111-35RIB	111	A500	VT2PRIB
Bayer Crop Science	DEKALB	DKC62-70RIB	112	A500	VT2PRIB
Bayer Crop Science	DEKALB	DKC64-22RIB	114	A500	VT2PRIB
Bayer Crop Science	DEKALB	DKC65-95RIB	115	A500	VT2PRIB
Bayer Crop Science	DEKALB	DKC66-06RIB	116	A500	TRERIB
Bayer Crop Science	DEKALB	DKC68-35RIB	118	A500	VT2PRIB
Bayer Crop Science	DEKALB	DKC70-45RIB	120	A500	VT2PRIB
Dyna-Gro Seed	Dyna-Gro	D50VC09RIB	110		
Dyna-Gro Seed	Dyna-Gro	D53TC23RIB	113		
Dyna-Gro Seed	Dyna-Gro	D57TC29RIB	117		
GROWMARK	FS InVISION	FS 6424V RIB	114	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6133VDG RIB	111	Poncho Votivo	DG VT2P RIB
GROWMARK	FS InVISION	FS 6137PC	111	Poncho Votivo	PW
GROWMARK	FS InVISION	FS 6634V RIB	116	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6306T RIB	113	Poncho Votivo	TRE RIB
GROWMARK	FS InVISION	FS 6017V RIB	110	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6217T RIB	112	Poncho Votivo	TRE RIB
GROWMARK	FS InVISION	FS 65R87VT2P	115	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6595V RIB	115	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6627T RIB	116	Poncho Votivo	TRE RIB

GROWMARK	FS InVISION	FS 6818V RIB	118	Poncho Votivo	VT2P RIB
GROWMARK	FS InVISION	FS 6595X RIB	115	Poncho Votivo	STX RIB
Bayer Crop Science	Hubner Seed	H0881D	108	poncho500	VT2PRIB
Bayer Crop Science	Hubner Seed	H09G056	109	poncho500	VT2PRIB
Bayer Crop Science	Hubner Seed	H4763RC2P	115	Poncho 250	VT2PRIB
Bayer Crop Science	Hubner Seed	H1880D	118	poncho500	VT2PRIB
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8108VT2PRIB	110	A250	VT2PRIB
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8110TRECRI	111	A250	TRERIB
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6094PWE	109	C250	PW
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5097D	109	C250	D1
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5124VIP3110	112	C250	VR
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8136DGV2PRIB	113	A250	DGV2PRIB
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8145VT2PRIB	114	A250	VT2PRIB
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6148PWE	114	C250	PW
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6153PWE	115	C250	PW
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5155VIP3110	115	C250	VR
SeedKoz	MorCorn	MC 4161 VT2P	111	Poncho 1250®	VT2P
Corteva Agriscience	Pioneer	P1222YHR	112	Poncho 1250®	LumiGen® 1250
Corteva Agriscience	Pioneer	P1622VYHR	116	Poncho 1250®	LumiGen® 1250
Revere Seed	Revere	Revere 0918 VT2P	109	Radius 500	VT2P
Revere Seed	Revere	Revere 1307 TC	113	Radius 500	Trecepta
Revere Seed	Revere	Revere 1577 VT2P	115	Radius 500	VT2P
Revere Seed	Revere	Revere 1627 TC	116	Radius 500	Trecepta
Seed Consultants, Inc.	Seed Consultants	SC1093AM	109	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1112AM	111	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1134AM	113	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1154AM	115	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1183AM	118	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1084AM	108	LumiGEN	AM
Seed Consultants, Inc.	Seed Consultants	SC1094Q	109	LumiGEN	QROME

Table 2. 2023 Relative Yield of Corn Hybrids Entered in Three or More Locations - Virginia Tech Trials.

Company	Brand	Hybrid	¹ DTM per Co	Blacksburg	Holla nd	Mt Holly Dryland	Mt Holly Irrigated	Blackstone	Shenandoah	Orange	Mean
108-111 Days Relative Maturity											
Augusta Seed Corporation	Augusta Seed	A1958	108		98	100	82			94	94
Bayer Crop Science	DEKALB	DKC110-41RIB	110	107	110	102	109	104	107	96	105
Bayer Crop Science	DEKALB	DKC111-35RIB	111	102	91	105	103	85			97
Dyna-Gro Seed	Dyna-Gro	D50VC09RIB	110		111	94		91		95	98
GROWMARK	FS InVISION	FS 6133VDG RIB	111	97	94	104	90	92	90	93	94
GROWMARK	FS InVISION	FS 6137PC	111	103	105	101	100	106	112	102	104
GROWMARK	FS InVISION	FS 6017V RIB	110		98	97	83	93		107	96
Bayer Crop Science	Hubner Seed	H0881D	108	89	107	97	102	99	99	98	99
Bayer Crop Science	Hubner Seed	H09G056	109	108	108	98	102	95	96	82	98
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8108VT2PRIB	110	95	96	95	103	102	88	95	96
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8110TRECRI	111	98	93	101	103	102	108	105	101
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6094PWE	109	97	99	97	101	110	99	107	101
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5097D	109	97	89	85	99	91	70	84	88
SeedKoz	MorCorn	MC 4161 VT2P	111		94	99	95	95		111	99
Revere Seed	Revere	Revere 0918 VT2P	109	95	96	95	103	102	88	95	96
Seed Consultants, Inc.	Seed Consultants	SC1093AM	109	105	108	107	103		85	93	100
Seed Consultants, Inc.	Seed Consultants	SC1112AM	111	106	111	98	110		110	98	106
Seed Consultants, Inc.	Seed Consultants	SC1084AM	108		104	99	96			93	98
Seed Consultants, Inc.	Seed Consultants	SC1094Q	109	99					91		95
112-115 Days Relative Maturity											
Augusta Seed Corporation	Augusta Seed	A1365	115		107	102	104		112	102	105
Augusta Seed Corporation	Augusta Seed	A3363	113		99				88	80	89
Augusta Seed Corporation	Augusta Seed	A1964	114		95				87	95	92

Augusta Seed Corporation	Augusta Seed	A6664	114		95	92	99		93	95	
Augusta Seed Corporation	Augusta Seed	A2262	112		100	89	99		95	96	
Augusta Seed Corporation	Augusta Seed	A2164	114		90	94	90		97	93	
Bayer Crop Science	DEKALB	DKC62-70RIB	112	101	86	100	92	104	97	107	98
Bayer Crop Science	DEKALB	DKC64-22RIB	114	112	75	105	97	102	103	124	103
Bayer Crop Science	DEKALB	DKC65-95RIB	115	109	112	104	99	112	107	116	108
Dyna-Gro Seed	Dyna-Gro	D53TC23RIB	113		108	93	93	88		114	99
GROWMARK	FS InVISION	FS 6424V RIB	114	107	98	100	100	98	102	115	103
GROWMARK	FS InVISION	FS 6306T RIB	113		104	110	99	86		93	98
GROWMARK	FS InVISION	FS 6217T RIB	112		106	102	96	95		80	96
GROWMARK	FS InVISION	FS 65R87VT2P	115		89	95	98	99		116	99
GROWMARK	FS InVISION	FS 6595V RIB	115		91	97	104	103		100	99
GROWMARK	FS InVISION	FS 6595X RIB	115	97					117		107
Bayer Crop Science	Hubner Seed	H4763RC2P	115	104	105	101	102	109	105	90	102
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5124VIP3110	112	98	105	91	109	106	99	86	99
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8136DGVT2PRIB	113	84	100	98	92	100	76	86	91
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8145VT2PRIB	114	102	109	96	96	98	91	103	99
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6148PWE	114	95	87	99	106	101	113	102	100
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA6153PWE	115	110	111	105	114	116	93	102	107
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA5155VIP3110	115	91	82	104	112	98	93	107	98
Corteva Agriscience	Pioneer	P1222YHR	112	94	113	96	105	103	98	108	102
Revere Seed	Revere	Revere 1307 TC	113		109	106	103	81		109	102
Revere Seed	Revere	Revere 1577 VT2P	115		83	99	104	105		104	99
Seed Consultants, Inc.	Seed Consultants	SC1134AM	113	90	91	98	93		104	99	96
Seed Consultants, Inc.	Seed Consultants	SC1154AM	115	75	90	96	88		90	90	88
<hr/>											
<p>>115 Days Relative Maturity</p>											
Augusta Seed Corporation	Augusta Seed	A7168	118			102	93			103	99
Bayer Crop Science	DEKALB	DKC66-06RIB	116	111	111	114	113	119	118	107	113
Bayer Crop Science	DEKALB	DKC68-35RIB	118	108	119	112	109	109	109	116	112
Bayer Crop Science	DEKALB	DKC70-45RIB	120	107	113	100	109	94	119	119	109

Dyna-Gro Seed	Dyna-Gro	D57TC29RIB	117		104	99	88	93		104	98
GROWMARK	FS InVISION	FS 6634V RIB	116	104	104	104	107	102	105	91	102
GROWMARK	FS InVISION	FS 6627T RIB	116		95	98	100	110		119	104
GROWMARK	FS InVISION	FS 6818V RIB	118		100	103	102	105		105	103
Bayer Crop Science	Hubner Seed	H1880D	118	106	104	109	109	93	98	107	104
Corteva Agriscience	Pioneer	P1622VYHR	116	97	95	102	92	94	97	90	95
Revere Seed	Revere	Revere 1627 TC	116		97	109	102	102		100	102
Seed Consultants, Inc.	Seed Consultants	SC1183AM	118	95	96	103	111		104	96	101

¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies. Note: Relative yield is calculated by dividing the yield of a hybrid by the average yield 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 descending mean value.

Table 3. Two-Year Average Relative Yield (2023 and 2022) of Corn Hybrids Entered in Three or More Locations - Virginia Tech Trials.

Company	Brand	Hybrid	¹ DTM per Co	² Number of Obs.	Mean
108-111 Days Relative Maturity					
Dyna-Gro Seed	Dyna-Gro	D50VC09RIB	110	8	102
GROWMARK	FS InVISION	FS 6017V RIB	110	9	100
Bayer Crop Science	Hubner Seed	H0881D	108	13	97
Bayer Crop Science	Hubner Seed	H09G056	109	13	98
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8108VT2PRIB	110	13	95
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8110TRECRI	111	13	105
Seed Consultants, Inc.	Seed Consultants	SC1093AM	109	11	99
Seed Consultants, Inc.	Seed Consultants	SC1112AM	111	11	100
112-115 Days Relative Maturity					
Augusta Seed Corporation	Augusta Seed	A3363	113	6	97
Augusta Seed Corporation	Augusta Seed	A6664	114	8	101
Bayer Crop Science	DEKALB	DKC65-95RIB	115	13	108
GROWMARK	FS InVISION	FS 6306T RIB	113	9	109
GROWMARK	FS InVISION	FS 65R87VT2P	115	9	101
Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8145VT2PRIB	114	13	102
Augusta Seed Corporation	Augusta Seed	A1964	114	6	97
Bayer Crop Science	DEKALB	DKC62-70RIB	112	13	100
GROWMARK	FS InVISION	FS 6595V RIB	115	9	101
Bayer Crop Science	Hubner Seed	H4763RC2P	115	13	101
>115 Days Relative Maturity					
Bayer Crop Science	DEKALB	DKC68-35RIB	118	13	116
Dyna-Gro Seed	Dyna-Gro	D57TC29RIB	117	9	98
GROWMARK	FS InVISION	FS 6627T RIB	116	9	111
GROWMARK	FS InVISION	FS 6818V RIB	118	9	107
Bayer Crop Science	Hubner Seed	H1880D	118	13	107
Seed Consultants, Inc.	Seed Consultants	SC1183AM	118	11	98

Table 4. Three-Year Average Relative Yield (2023, 2022, and 2021) of Corn Hybrids Entered in Three or More Locations - Virginia Tech Trials.

Company	Brand	Hybrid	¹ DTM per Co	² Number of Obs	Mean
108-111 Days Relative Maturity					
Bayer Crop Science	Hubner Seed	H09G056	109	20	102

Mid-Atlantic Seeds	Mid-Atlantic Seeds	MA8110TRECIB	111	14	108
Seed Consultants, Inc.	Seed Consultants	SC1112AM	111	18	103

112-115 Days Relative Maturity

Company	Brand	Hybrid	1DTM per Co	Number of Obs.	Mean
Augusta Seed Corporation	Augusta Seed	A3363	113	9	96
Bayer Crop Science	DEKALB	DKC65-95RIB	115	20	107
GROWMARK	FS InVISION	FS 6306T RIB	113	14	105
GROWMARK	FS InVISION	FS 65R87VT2P	115	14	101
Bayer Crop Science	DEKALB	DKC62-70RIB	112	20	100
GROWMARK	FS InVISION	FS 6595V RIB	115	14	102
Bayer Crop Science	Hubner Seed	H4763RC2P	115	20	100

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.

Note 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 descending mean values. A hybrid does not have to be entered in the same three locations each year.

Table 5. Corn Yields at Kentland Farm at Blacksburg, Virginia in 2023 - Virginia Tech Trials.

Brand/Company	Hybrid	¹ DTM per Co	Yield, bu/a @15.5% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity					
DEKALB	DKC110-41RIB	110	219	20	57
DEKALB	DKC111-35RIB	111	209	21	59
FS InVISION	FS 6133VDG RIB	111	198	21	58
FS InVISION	FS 6137PC	111	211	20	56
Hubner Seed	H0881D	108	181	20	56
Hubner Seed	H09G056	109	221	19	55
Mid-Atlantic Seeds	MA5097D	109	198	21	56
Mid-Atlantic Seeds	MA6094PWE	109	198	19	58
Mid-Atlantic Seeds	MA8108VT2PRIB	110	194	21	58
Mid-Atlantic Seeds	MA8110TRECRI	111	202	20	57
Seed Consultants	SC1093AM	109	215	20	58
Seed Consultants	SC1094Q	109	203	19	58
Seed Consultants	SC1112AM	111	217	20	57
Maturity Average			205.1	20.1	57.1
L.S.D. (0.05)			27.8	1.0	1.2
C.V.			2.6	3.6	1.4
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	112	207	20.7	59.3
DEKALB	DKC64-22RIB	114	230	22.7	58.8
DEKALB	DKC65-95RIB	115	223	24.2	56.9
FS InVISION	FS 6424V RIB	114	218	22.9	56.6
FS InVISION	FS 6595X RIB	115	199	23.6	56.5
Hubner Seed	H4763RC2P	115	213	22.5	56.8
Mid-Atlantic Seeds	MA5124VIP3110	112	201	20.8	56.4
Mid-Atlantic Seeds	MA5155VIP3110	115	187	24.8	57.7
Mid-Atlantic Seeds	MA6148PWE	114	195	22.7	55.4
Mid-Atlantic Seeds	MA6153PWE	115	225	23.1	56.1
Mid-Atlantic Seeds	MA8136DGVT2PRIB	113	173	21.2	57.1
Mid-Atlantic Seeds	MA8145VT2PRIB	114	209	22.7	57.3
Pioneer	P1222YHR	112	192	19.2	59.2
Seed Consultants	SC1134AM	113	184	20.8	57.1
Seed Consultants	SC1154AM	115	154	22.6	55.6
Maturity Average			200	22.3	57.1
L.S.D. (0.05)			36.4	1.41	1.3
C.V.			12.7	4.5	1.6
>115 Days Relative Maturity					
DEKALB	DKC66-06RIB		226	22.5	56.4
DEKALB	DKC68-35RIB		222	23.8	56.9
DEKALB	DKC70-45RIB		218	23.4	56.2
FS InVISION	FS 6634V RIB		212	23.4	56.0
Hubner Seed	H1880D		217	22.7	55.8
Pioneer	P1622VYHR		198	21.6	56.7
Seed Consultants	SC1183AM		194	23.1	54.5
Maturity Average			212.5	22.9	56.1
L.S.D. (0.05)			36.9	1.2	1.0
C.V.			11.8	3.6	1.2

¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies. Planted April 27th, 2023. Population was 27800 plants/a. Harvested October 3, 2023.

Table 6. Corn Yields at Kentland Farm at Blacksburg, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	¹ DTM per Co	Yield, bu/a @15.5% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H0881D	108	170	17.5	52.9
Hubner Seed	H09G056	109	177	17.3	53.7
Mid-Atlantic Seeds	MA8108VT2PRIB	110	188	18.8	56.5
Mid-Atlantic Seeds	MA8110TRECIB	111	177	16.8	54.1
Maturity Average			178.0	17.6	54.3
L.S.D. (0.05)			48.4	4.1	3.9
C.V.			26.5	22.5	7.1
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	112	180	17.9	56.6
DEKALB	DKC65-95RIB	115	190	21.1	54.4
FS InVISION	FS 6595X RIB	115	169	19.5	51.4
Hubner Seed	H4763RC2P	115	164	19.3	53.8
Mid-Atlantic Seeds	MA5124VIP3110	112	159	18.4	55.5
Mid-Atlantic Seeds	MA5155VIP3110	115	150	23.4	56.2
Mid-Atlantic Seeds	MA8136DGVT2PRI B	113	146	15.8	44.7
Mid-Atlantic Seeds	MA8145VT2PRIB	114	165	19.4	52.5
Maturity Average			165.4	19.3	53.2
L.S.D. (0.05)			53.5	4.3	8.4
C.V.			32.3	22.2	15.8
>115 Days Relative Maturity					
DEKALB	DKC68-35RIB		212	20.6	63.0
Hubner Seed	H1880D		166	21.0	47.2
Maturity Average			189.1	20.8	55.1
L.S.D. (0.05)			67.6	3.5	18.0
C.V.			33.3	15.7	30.4

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

Table 7. Corn Yields at Kentland Farm at Blacksburg, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	¹ DTM per Co	Yield, bu/a, @ 15.5% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H09G056		198	17.7	52.7
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	112	197	55.6	55.6
DEKALB	DKC65-95RIB	115	207	53.7	53.7
FS InVISION	FS 6595X RIB	115	184	51.7	51.7
Hubner Seed	H4763RC2P	115	178	52.9	52.9
Maturity Average			191.3	53.5	53.5
L.S.D. (0.05)			39.5	3.6	3.6
C.V.			25.1	53.5	8.1

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

Table 8. Corn Yields at the Tidewater AREC at Holland, Virginia in 2023 - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
Augusta Seed	A1958	182	19.3	55.4
Dyna-Gro	D50VC09RIB	205	17.6	53.4
DEKALB	DKC110-41RIB	202	21.4	52.7
DEKALB	DKC111-35RIB	168	20.1	54.3
FS InVISION	FS 6017V RIB	181	15.8	52.1
FS InVISION	FS 6133VDG RIB	174	16.8	52.4
FS InVISION	FS 6137PC	194	18.3	51.1
Hubner Seed	H0881D	198	17.4	53.0
Hubner Seed	H09G056	201	16.5	52.7
Mid-Atlantic Seeds	MA5097D	165	18.3	53.5
Mid-Atlantic Seeds	MA6094PWE	183	18.1	54.4
Mid-Atlantic Seeds	MA8108VT2PRIB	177	18.9	54.6
Mid-Atlantic Seeds	MA8110TRECIB	171	22.5	52.3
MorCorn	MC 4161 VT2P	174	18.0	55.0
Revere	Revere 0918 VT2P	195	16.3	53.0
Seed Consultants	SC1084AM	193	19.6	53.0
Seed Consultants	SC1093AM	200	18.5	54.6
Seed Consultants	SC1112AM	206	18.3	53.8
Maturity Average		187.2	18.4	53.4
L.S.D. (0.05)		48.9	3.6	1.5
C.V.		18.4	13.7	2.0
112-115 Days Relative Maturity				
Augusta Seed	A1365	199	19.1	52.9
Augusta Seed	A1964	177	18.0	52.7
Augusta Seed	A2164	166	18.2	53.8
Augusta Seed	A2262	184	18.8	53.2
Augusta Seed	A3363	184	17.5	52.7
Augusta Seed	A6664	176	20.0	53.2
Dyna-Gro	D53TC23RIB	200	19.0	52.4
DEKALB	DKC62-70RIB	159	17.0	55.8
DEKALB	DKC64-22RIB	186	22.7	55.7
DEKALB	DKC65-95RIB	207	20.2	54.0
FS InVISION	FS 6217T RIB	197	18.8	53.7
FS InVISION	FS 6306T RIB	192	18.2	52.8
FS InVISION	FS 6424V RIB	181	19.2	54.6

FS InVISION	FS 6595V RIB	168	18.9	56.2
FS InVISION	FS 65R87VT2P	165	19.4	54.7
Hubner Seed	H4763RC2P	195	19.5	54.2
Mid-Atlantic Seeds	MA5124VIP3110	195	19.0	53.3
Mid-Atlantic Seeds	MA5155VIP3110	152	23.1	53.8
Mid-Atlantic Seeds	MA6148PWE	161	20.2	53.7
Mid-Atlantic Seeds	MA6153PWE	207	21.2	53.4
Mid-Atlantic Seeds	MA8136DGV2PRIB	187	18.6	53.7
Mid-Atlantic Seeds	MA8145VT2PRIB	203	19.2	54.5
Pioneer	P1222YHR	209	17.0	54.6
Revere	Revere 1307 TC	202	18.1	52.4
Revere	Revere 1577 VT2P	153	17.2	53.0
Seed Consultants	SC1134AM	169	19.7	53.2
Seed Consultants	SC1154AM	166	22.2	53.1
Maturity Average		182.9	19.2	53.8
L.S.D. (0.05)		44.7	2.8	1.9
C.V.		17.4	10.5	2.5
>115 Days Relative Maturity				
Dyna-Gro	D57TC29RIB	193	22.7	51.7
DEKALB	DKC66-06RIB	207	20.6	54.1
DEKALB	DKC68-35RIB	220	19.0	54.9
DEKALB	DKC70-45RIB	210	22.4	54.2
FS InVISION	FS 6627T RIB	177	21.6	54.6
FS InVISION	FS 6634V RIB	193	18.7	51.3
FS InVISION	FS 6818V RIB	186	20.7	55.4
Hubner Seed	H1880D	193	20.5	53.3
Pioneer	P1622VYHR	177	21.1	53.7
Revere	Revere 1627 TC	180	24.0	53.2
Seed Consultants	SC1183AM	178	21.0	53.0
Maturity Average		192.0	21.1	53.6
L.S.D. (0.05)		52.7	4.1	1.4
C.V.		19.0	13.6	1.9

Planted April 10, 2023. The population was 25,200 plants/a. Harvested September 24, 2023.

Table 9. Corn Yields at the Tidewater AREC at Holland, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
FS InVISION	FS 6017V RIB	163	15.3	53.7
Hubner Seed	H0881D	166	16.5	53.4
Hubner Seed	H09G056	161	15.2	53.2
Mid-Atlantic Seeds	MA8108VT2PRIB	141	16.8	55.6
Mid-Atlantic Seeds	MA8110TRECIB	149	19.6	55.4
MorCorn	MC 4161 VT2P	172	16.9	52.7
Seed Consultants	SC1093AM	150	16.4	51.8
Seed Consultants	SC1112AM	166	16.6	53.2
Maturity Average		158.6	16.7	53.6
L.S.D. (0.05)		48.1	2.7	4.3
C.V.		30.2	16.6	9.2
112-115 Days Relative Maturity				
Augusta Seed	A1964	154	16.3	51.6
Augusta Seed	A3363	163	16.3	52.7
Augusta Seed	A6664	157	17.9	53.1
Dyna-Gro	D53TC23RIB	171	17.4	52.9
DEKALB	DKC62-70RIB	145	16.7	54.7
DEKALB	DKC65-95RIB	165	17.3	54.5
FS InVISION	FS 6217T RIB	155	17.1	53.7
FS InVISION	FS 6306T RIB	176	17.4	53.2
FS InVISION	FS 6595V RIB	158	16.9	54.9
FS InVISION	FS 65R87VT2P	159	18.0	53.4
Hubner Seed	H4763RC2P	151	17.0	51.5
Mid-Atlantic Seeds	MA5124VIP3110	155	17.4	53.2
Mid-Atlantic Seeds	MA5155VIP3110	121	17.8	57.2
Mid-Atlantic Seeds	MA8145VT2PRIB	167	16.9	53.2
Maturity Average		157.1	17.2	52.8
L.S.D. (0.05)		47.3	3.1	5.8
C.V.		30.3	18.4	11.1
>115 Days Relative Maturity				
Dyna-Gro	D57TC29RIB	193.3	19.3	52.8
DEKALB	DKC68-35RIB	219.6	17.4	53.8
FS InVISION	FS 6627T RIB	176.1	18.5	54.3
FS InVISION	FS 6818V RIB	185.5	18.4	54.9
Hubner Seed	H1880D	193.2	18.2	53.3
Seed Consultants	SC1183AM	178.2	17.5	52.5
Maturity Average		191.0	18.2	53.6
L.S.D. (0.05)		52.7	3.7	1.4
C.V.		19.1	20.1	2.6

Table 10. Corn Yields at the Tidewater AREC at Holland, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
Hubner Seed	H09G056	151	15.0	52.6
MorCorn	MC 4161 VT2P	161	16.2	54.5
Seed Consultants	SC1112AM	167	16.6	54.1
Maturity Average		159.4	16.0	53.7
L.S.D. (0.05)		33.1	14.5	51.1
C.V.		25.0	11.0	52.4
112-115 Days Relative Maturity				
DEKALB	DKC62-70RIB	140	16.5	54.7
DEKALB	DKC65-95RIB	159	17.3	53.9
FS InVISION	FS 6306T RIB	171	17.6	53.0
FS InVISION	FS 6595V RIB	155	16.7	54.4
FS InVISION	FS 65R87VT2P	153	17.6	53.6
Hubner Seed	H4763RC2P	151	17.6	52.4
Maturity Average		154.9	17.2	53.7
L.S.D. (0.05)		30.4	1.6	1.9
C.V.		24.0	11.6	4.6

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

Table 11. Corn Yields Under Dryland Conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia in 2023 - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
Augusta Seed	A1958	208	14.5	55.5
Dyna-Gro	D50VC09RIB	195	12.2	53.1
DEKALB	DKC110-41RIB	211	13.1	54.0
DEKALB	DKC111-35RIB	216	13.9	56.2
FS InVISION	FS 6017V RIB	200	13.3	53.8
FS InVISION	FS 6133VDG RIB	216	16.0	53.4
FS InVISION	FS 6137PC	209	13.5	53.9
Hubner Seed	H0881D	201	12.9	54.7
Hubner Seed	H09G056	202	13.8	53.0
Mid-Atlantic Seeds	MA5097D	175	14.4	54.8
Mid-Atlantic Seeds	MA6094PWE	201	12.9	54.7
Mid-Atlantic Seeds	MA8108VT2PRIB	196	13.0	56.5
Mid-Atlantic Seeds	MA8110TRECIB	210	14.3	54.5
MorCorn	MC 4161 VT2P	205	12.1	54.0
Revere	Revere 0918 VT2P	195	12.1	54.3
Seed Consultants	SC1084AM	206	12.6	54.2
Seed Consultants	SC1093AM	222	14.3	53.0
Seed Consultants	SC1112AM	202	13.5	54.7
Maturity Average		203.9	13.5	54.3
L.S.D. (0.05)		25.9	1.6	1.0
C.V.		9.0	8.3	1.3
112-115 Days Relative Maturity				
Augusta Seed	A1365	211	16.1	55.8
Augusta Seed	A2164	194	14.5	53.5
Augusta Seed	A2262	185	14.1	55.5
Augusta Seed	A6664	190	13.9	54.2
Dyna-Gro	D53TC23RIB	193	13.2	54.2
DEKALB	DKC62-70RIB	206	13.4	56.3
DEKALB	DKC64-22RIB	217	13.9	57.2
DEKALB	DKC65-95RIB	216	15.6	56.3
FS InVISION	FS 6217T RIB	211	14.2	53.7
FS InVISION	FS 6306T RIB	227	14.0	52.9
FS InVISION	FS 6424V RIB	206	15.0	55.8
FS InVISION	FS 6595V RIB	200	14.6	54.2
FS InVISION	FS 65R87VT2P	197	13.8	55.9
Hubner Seed	H4763RC2P	210	15.0	54.5
Mid-Atlantic Seeds	MA5124VIP3110	188	13.4	55.1

Mid-Atlantic Seeds	MA5155VIP3110	214	16.8	57.0
Mid-Atlantic Seeds	MA6148PWE	204	14.5	55.1
Mid-Atlantic Seeds	MA6153PWE	217	15.4	55.3
Mid-Atlantic Seeds	MA8136DGVT2PRIB	203	15.1	54.4
Mid-Atlantic Seeds	MA8145VT2PRIB	198	14.9	56.1
Pioneer	P1222YHR	199	12.8	55.1
Revere	Revere 1307 TC	219	14.0	54.0
Revere	Revere 1577 VT2P	206	13.7	55.7
Seed Consultants	SC1134AM	203	15.7	55.4
Seed Consultants	SC1154AM	199	16.0	55.1
Maturity Average		204.6	14.5	55.1
L.S.D. (0.05)		23.9	1.4	1.4
C.V.		8.3	6.8	1.0
> 115 days relative maturity				
Augusta Seed	A7168	210	17.8	54.1
Dyna-Gro	D57TC29RIB	205	15.1	53.8
DEKALB	DKC66-06RIB	237	15.0	55.0
DEKALB	DKC68-35RIB	231	16.0	56.0
DEKALB	DKC70-45RIB	207	15.6	55.7
FS InVISION	FS 6627T RIB	203	14.4	55.5
FS InVISION	FS 6634V RIB	217	14.1	56.1
FS InVISION	FS 6818V RIB	212	17.6	56.7
Hubner Seed	H1880D	226	15.5	54.3
Pioneer	P1622VYHR	212	16.3	54.2
Revere	Revere 1627 TC	226	17.1	55.4
Seed Consultants	SC1183AM	214	14.9	54.0
Maturity Average		216.8	15.8	55.1
L.S.D. (0.05)		22.4	1.8	1.3
C.V.		7.2	7.9	1.7

Planted April 18, 2023. The population was 25,200 plants/a. Harvested September 18, 2023.

Table 12. Corn Yields Under Dryland Conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
Dyna-Gro	D50VC09RIB	189	11.9	53.3
FS InVISION	FS 6017V RIB	204	12.3	53.5
Hubner Seed	H0881D	205	12.8	54.4
Hubner Seed	H09G056	202	12.7	53.1
Mid-Atlantic Seeds	MA8108VT2PRIB	192	13.6	55.5
Mid-Atlantic Seeds	MA8110TRECRI	209	13.1	54.4
MorCorn	MC 4161 VT2P	200	11.7	54.4
Seed Consultants	SC1112AM	202	12.9	55.1
Maturity Average		200.5	12.6	54.2
L.S.D. (0.05)		21.9	1.4	0.8
C.V.		10.9	11.0	1.5
112-115 Days Relative Maturity				
Augusta Seed	A6664	196	13.9	54.8
DEKALB	DKC62-70RIB	200	12.9	56.4
DEKALB	DKC65-95RIB	203	14.3	55.9
FS InVISION	FS 6217T RIB	190	13.2	53.8
FS InVISION	FS 6306T RIB	215	13.3	53.4
FS InVISION	FS 6595V RIB	201	13.4	54.5
FS InVISION	FS 65R87VT2P	189	12.8	56.3
Hubner Seed	H4763RC2P	208	13.8	55.1
Mid-Atlantic Seeds	MA5124VIP3110	195	13.0	55.0
Mid-Atlantic Seeds	MA5155VIP3110	200	15.1	56.4
Mid-Atlantic Seeds	MA8136DGVT2PRI B	192	13.6	54.2
Mid-Atlantic Seeds	MA8145VT2PRIB	197	13.8	55.8
Maturity Average		198.7	13.6	55.1
L.S.D. (0.05)		20.5	1.4	1.2
C.V.		10.4	10.6	2.1
> 115 Days Relative Maturity				
Augusta Seed	A7168	206	15.8	15.8
Dyna-Gro	D57TC29RIB	197	14.1	14.1
FS InVISION	FS 6627T RIB	211	13.1	13.1
FS InVISION	FS 6818V RIB	206	15.6	15.6
Hubner Seed	H1880D	206	13.5	13.5
Seed Consultants	SC1183AM	214	13.8	13.8
Maturity Average		206.5	14.3	14.3

L.S.D. (0.05)	25.0	2.0	2.0
C.V.	12.0	13.8	13.7

Table 13. Corn Yields Under Dryland Conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Brand/Company	Hybrid	Yield, bu/a @15% moist	Moist, %	Test wt., lb/bu
108-111 Days Relative Maturity				
MorCorn	MC 4161 VT2P	209	13.0	53.0
Seed Consultants	SC1112AM	198	12.8	54.5
Hubner Seed	H09G056	206	13.8	54.5
Maturity Average		204.3	13.2	54.0
L.S.D. (0.05)		22.1	1.4	0.9
C.V.		13.0	12.7	2.0
112-115 Days Relative Maturity				
DEKALB	DKC62-70RIB	198	13.8	56.0
DEKALB	DKC65-95RIB	205	14.9	55.4
FS InVISION	FS 6306T RIB	215	14.0	54.0
FS InVISION	FS 6595V RIB	201	14.2	54.2
FS InVISION	FS 65R87VT2P	191	13.9	55.9
Hubner Seed	H4763RC2P	208	14.7	54.5
Maturity Average		203.1	14.3	55.0
L.S.D. (0.05)		17.1	1.4	1.1
C.V.		10.3	12.4	2.4

Table 14. Corn Yields Under Irrigation at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia in 2023 - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Augusta Seed	A1958	2	13.3	56.3	193
Dyna-Gro	D50VC09RIB	2	11.6	53.4	208
DEKALB	DKC110-41RIB	2	13.1	55.7	255
DEKALB	DKC111-35RIB	2	14.3	56.4	241
FS InVISION	FS 6017V RIB	2	13.8	53.7	194
FS InVISION	FS 6133VDG RIB	2	13.7	55.4	210
FS InVISION	FS 6137PC	2	14.7	54.3	234
Hubner Seed	H0881D	2	12.5	54.7	238
Hubner Seed	H09G056	2	12.4	53.2	238
Mid-Atlantic Seeds	MA5097D	2	13.2	55.6	233
Mid-Atlantic Seeds	MA6094PWE	2	12.3	55.5	237
Mid-Atlantic Seeds	MA8108VT2PRIB	2	13.4	57.3	240
Mid-Atlantic Seeds	MA8110TRECRI	2	13.3	55.8	241
MorCorn	MC 4161 VT2P	2	12.6	56.1	221
Revere	Revere 0918 VT2P	2	11.5	53.7	231
Seed Consultants	SC1084AM	2	12.5	54.6	224
Seed Consultants	SC1093AM	2	13.1	54.6	241
Seed Consultants	SC1112AM	2	12.8	54.5	256
Maturity Average			13.0	55.5	229.7
L.S.D. (0.05)			2.0	1.2	30.2
C.V.			10.7	1.5	9.3
112-115 Days Relative Maturity					
Augusta Seed	A1365	3	16.0	56.6	244
Augusta Seed	A2164	3	13.3	53.9	210
Augusta Seed	A2262	3	13.1	54.8	231
Augusta Seed	A6664	3	14.2	55.7	232
Dyna-Gro	D53TC23RIB	3	14.7	54.8	217
DEKALB	DKC62-70RIB	3	14.6	62.6	216
DEKALB	DKC64-22RIB	3	13.9	58.1	228
DEKALB	DKC65-95RIB	3	16.4	59.8	232
FS InVISION	FS 6217T RIB	3	13.3	55.1	225
FS InVISION	FS 6306T RIB	3	13.0	55.4	232
FS InVISION	FS 6424V RIB	3	14.3	54.7	235
FS InVISION	FS 6595V RIB	3	14.9	54.9	242

FS InVISION	FS 65R87VT2P	3	13.5	56.2	228
Hubner Seed	H4763RC2P	3	13.4	51.3	238
Mid-Atlantic Seeds	MA5124VIP3110	3	13.2	55.1	254
Mid-Atlantic Seeds	MA5155VIP3110	3	16.1	57.3	262
Mid-Atlantic Seeds	MA6148PWE	3	14.9	55.0	248
Mid-Atlantic Seeds	MA6153PWE	3	14.7	56.6	266
Mid-Atlantic Seeds	MA8136DGVT2PRIB	3	13.9	54.7	216
Mid-Atlantic Seeds	MA8145VT2PRIB	3	14.3	56.3	224
Pioneer	P1222YHR	3	12.5	55.5	245
Revere	Revere 1307 TC	3	12.6	54.9	240
Revere	Revere 1577 VT2P	3	13.1	56.7	243
Seed Consultants	SC1134AM	3	14.8	55.3	218
Seed Consultants	SC1154AM	3	16.0	54.1	205
Maturity Average			14.1	55.8	232.9
L.S.D. (0.05)			2.11	1.0	35.1
C.V.			10.6	1.3	10.7
>115 Days Relative Maturity					
Augusta Seed	A7168	4	15.3	55.9	217
Dyna-Gro	D57TC29RIB	4	14.4	54.7	206
DEKALB	DKC66-06RIB	4	13.9	56.3	263
DEKALB	DKC68-35RIB	4	14.4	56.9	256
DEKALB	DKC70-45RIB	4	15.9	56.4	254
FS InVISION	FS 6627T RIB	4	14.6	56.4	234
FS InVISION	FS 6634V RIB	4	13.6	56.5	249
FS InVISION	FS 6818V RIB	4	16.0	58.1	239
Hubner Seed	H1880D	4	13.8	55.2	255
Pioneer	P1622VYHR	4	15.7	55.5	214
Revere	Revere 1627 TC	4	15.0	55.2	238
Seed Consultants	SC1183AM	4	14.5	54.3	259
Maturity Average			14.8	55.9	240.4
L.S.D. (0.05)			1.5	1.0	27.8
C.V.			7.2	1.3	8.1

Planted April 18, 2023. Population was 30,200 plants/a. Harvested September 19, 2023.

Table 15. Corn Yields Under Irrigation at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Dyna-Gro	D50VC09RIB	2	13.0	52.8	226
FS InVISION	FS 6017V RIB	2	14.9	52.9	216
Hubner Seed	H0881D	2	15.5	53.4	252
Hubner Seed	H09G056	2	13.8	52.3	245
Mid-Atlantic Seeds	MA8108VT2PRIB	2	14.7	54.9	235
Mid-Atlantic Seeds	MA8110TRECRI	2	14.2	54.2	257
MorCorn	MC 4161 VT2P	2	13.7	54.8	238
Seed Consultants	SC1093AM	2	14.1	53.7	217
Seed Consultants	SC1112AM	2	14.9	53.9	251
Maturity Average			14.2	53.7	237.4
L.S.D. (0.05)			2.1	1.7	26.4
C.V.			14.4	3.2	11.1
112-115 Days Relative Maturity					
Dyna-Gro	D53TC23RIB	3	15.2	54.2	228
DEKALB	DKC62-70RIB	3	15.6	55.2	219
DEKALB	DKC65-95RIB	3	16.7	53.8	232
FS InVISION	FS 6217T RIB	3	15.0	53.8	218
FS InVISION	FS 6306T RIB	3	14.6	54.5	238
FS InVISION	FS 6595V RIB	3	16.2	54.1	252
FS InVISION	FS 65R87VT2P	3	14.8	55.9	225
Hubner Seed	H4763RC2P	3	14.9	53.5	240
Mid-Atlantic Seeds	MA5124VIP3110	3	15.0	54.3	237
Mid-Atlantic Seeds	MA5155VIP3110	3	17.6	54.6	243
Mid-Atlantic Seeds	MA8145VT2PRIB	3	15.8	54.8	232
Maturity Average			15.6	54.4	233.1
L.S.D. (0.05)			2.0	1.7	24.7
C.V.			13.1	3.1	10.6
>115Days Relative Maturity					
Augusta Seed	A7168	4	17.1	54.0	219
Dyna-Gro	D57TC29RIB	4	15.9	53.0	229
FS InVISION	FS 6627T RIB	4	15.8	55.3	248
FS InVISION	FS 6818V RIB	4	14.1	56.4	243
Hubner Seed	H1880D	4	14.1	54.0	238

Seed Consultants	SC1183AM	4	15.9	53.0	254
Maturity Average			15.5	54.3	238.5
L.S.D. (0.05)			1.7	1.8	24.3
C.V.			10.5	3.3	10.1

Table 16. Corn Yields Under Irrigation at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Company	Variety	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity				
Hubner Seed	H09G056	13.9	52.5	263
MorCorn	MC4161VT2P	14.5	55.0	249
Seed Consultants	SC1112AM	15.6	54.2	268
Maturity Average		14.7	53.9	260.0
L.S.D. (0.05)		1.5	0.9	25.7
C.V.		12.2	2.1	11.9
112-115 Days Relative Maturity				
DEKALB	DKC62-70RIB	16.1	55.6	239
DEKALB	DKC65-95RIB	17.4	54.0	247
FS InVISION	FS 6306T RIB	15.5	54.5	251
FS InVISION	FS 6595V RIB	16.7	54.1	257
FS InVISION	FS 65R87VT2P	15.2	58.4	241
Hubner Seed	H4763RC2P	15.5	53.9	249
Maturity Average		16.1	55.1	247.3
L.S.D. (0.05)		1.5	2.5	25.2
C.V.		11.6	5.7	12.5

Table 17. Corn Yields at the Southern Piedmont AREC, at Blackstone, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Dyna-Gro	D50VC09RIB	2	14.2	52.2	187
DEKALB	DKC110-41RIB	2	15.3	53.2	213
DEKALB	DKC111-35RIB	2	16.0	55.2	175
FS InVISION	FS 6017V RIB	2	15.3	52.5	192
FS InVISION	FS 6133VDG RIB	2	15.6	53.8	190
FS InVISION	FS 6137PC	2	15.2	53.0	217
Hubner Seed	H0881D	2	14.4	53.6	203
Hubner Seed	H09G056	2	14.6	52.4	195
Mid-Atlantic Seeds	MA5097D	2	16.3	53.5	188
Mid-Atlantic Seeds	MA6094PWE	2	15.4	53.8	226
Mid-Atlantic Seeds	MA8108VT2PRIB	2	14.6	55.9	209
Mid-Atlantic Seeds	MA8110TRECIB	2	16.1	53.1	210
MorCorn	MC 4161 VT2P	2	14.3	53.7	196
Revere	Revere 0918 VT2P	2	14.0	52.8	224
Maturity Average			15.1	53.5	201.8
L.S.D. (0.05)			1.6	1.2	48.2
C.V.			7.5	1.6	16.8
112-115 Days Relative Maturity					
Dyna-Gro	D53TC23RIB	3	15.2	53.4	180
DEKALB	DKC62-70RIB	3	15.4	55.1	213
DEKALB	DKC64-22RIB	3	16.8	55.1	209
DEKALB	DKC65-95RIB	3	18.0	54.2	229
FS InVISION	FS 6217T RIB	3	15.0	53.4	196
FS InVISION	FS 6306T RIB	3	15.3	53.6	177
FS InVISION	FS 6424V RIB	3	16.4	53.9	202
FS InVISION	FS 6595V RIB	3	16.9	53.3	211
FS InVISION	FS 65R87VT2P	3	15.4	55.0	203
Hubner Seed	H4763RC2P	3	17.5	54.6	224
Mid-Atlantic Seeds	MA5124VIP3110	3	17.2	53.7	218
Mid-Atlantic Seeds	MA5155VIP3110	3	17.1	55.2	200
Mid-Atlantic Seeds	MA6148PWE	3	16.8	54.0	208
Mid-Atlantic Seeds	MA6153PWE	3	16.3	54.0	238
Mid-Atlantic Seeds	MA8136DGVT2PRIB	3	15.5	53.0	203

Mid-Atlantic Seeds	MA8145VT2PRIB	3	17.4	54.4	202
Pioneer	P1222YHR	3	15.0	54.3	212
Revere	Revere 1307 TC	3	16.6	52.7	167
Revere	Revere 1577 VT2P	3	15.8	54.6	215
Maturity Average			16.3	54.1	205.6
L.S.D. (0.05)			1.7	1.1	52.1
C.V.			7.3	1.5	17.9
>115 Days Relative Maturity					
Dyna-Gro	D57TC29RIB	4	17.2	53.7	190
DEKALB	DKC66-06RIB	4	16.7	53.4	245
DEKALB	DKC68-35RIB	4	17.3	55.0	224
DEKALB	DKC70-45RIB	4	17.7	54.6	193
FS InVISION	FS 6627T RIB	4	16.4	54.7	226
FS InVISION	FS 6634V RIB	4	15.0	54.8	209
FS InVISION	FS 6818V RIB	4	18.0	54.9	216
Hubner Seed	H1880D	4	17.0	53.7	191
Pioneer	P1622VYHR	4	18.1	54.6	194
Revere	Revere 1627 TC	4	18.3	53.9	210
Maturity Average			17.2	54.3	209.8
L.S.D. (0.05)			1.6	1.4	47.8
C.V.			6.6	1.8	15.8

The site was heavily affected by drought; data should be interpreted with caution.

Table 18. Corn Yields at the Southern Piedmont AREC at Blackstone, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Dyna-Gro	D50VC09RIB	2	15.1	53.1	150
FS InVISION	FS 6017V RIB	2	14.3	53.5	124
Hubner Seed	H0881D	2	16.4	52.8	235
Hubner Seed	H09G056	2	14.3	52.3	223
Mid-Atlantic Seeds	MA8108VT2PRIB	2	15.0	55.7	218
Mid-Atlantic Seeds	MA8110TRECRI	2	16.4	53.3	169
MorCorn	MC 4161 VT2P	2	13.7	55.0	129
Maturity Average			15.0	53.7	178.3
L.S.D. (0.05)			1.3	1.2	53.8
C.V.			8.7	2.2	30.0
112-115 Days Relative Maturity					
Dyna-Gro	D53TC23RIB	3	14.7	54.3	124
DEKALB	DKC62-70RIB	3	18.2	54.7	142
DEKALB	DKC65-95RIB	3	16.5	53.9	147
FS InVISION	FS 6217T RIB	3	14.2	54.0	125
FS InVISION	FS 6306T RIB	3	15.2	54.1	128
FS InVISION	FS 6595V RIB	3	18.8	53.6	146
FS InVISION	FS 65R87VT2P	3	15.3	55.0	135
Hubner Seed	H4763RC2P	3	17.5	55.4	149
Mid-Atlantic Seeds	MA5124VIP3110	3	16.8	53.0	136
Mid-Atlantic Seeds	MA5155VIP3110	3	18.5	53.3	120
Mid-Atlantic Seeds	MA8145VT2PRIB	3	16.9	55.1	127
Maturity Average			16.6	54.2	134.6
L.S.D. (0.05)			2.4	1.5	79.0
C.V.			14.6	2.7	59.0
>115 Days Relative Maturity					
Dyna-Gro	D57TC29RIB	4	18.5	54.1	134
FS InVISION	FS 6627T RIB	4	16.1	55.1	142
FS InVISION	FS 6818V RIB	4	17.4	55.6	158
Hubner Seed	H1880D	4	17.3	53.6	142
Maturity Average			17.3	54.6	144.0
L.S.D. (0.05)			3.4	2.0	74.2
C.V.			18.9	3.5	50.3

Table 19. Corn Yields at the Southern Piedmont AREC at Blackstone, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H09G056	2	15.2	52.7	159
MorCorn	MC 4161 VT2P	2	14.8	55.1	147
Maturity Average			15.1	53.9	153.0
L.S.D. (0.05)			1.5	1.0	59.8
C.V.			12.1	2.1	46.0
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	3	17.6	55.1	159
DEKALB	DKC65-95RIB	3	17.8	54.1	162
FS InVISION	FS 6306T RIB	3	16.5	54.0	150
FS InVISION	FS 6595V RIB	3	19.4	54.2	160
FS InVISION	FS 65R87VT2P	3	17.8	54.6	156
Hubner Seed	H4763RC2P	3	18.4	55.3	164
Maturity Average			17.9	54.6	158.3
L.S.D. (0.05)			2.6	1.0	54.0
C.V.			18.0	2.3	41.8

Table 20. Corn Yields at the Shenandoah Valley at Shenandoah, Virginia in 2023 - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
DEKALB	DKC110-41RIB	2	24.0	53.9	224
DEKALB	DKC111-35RIB	2	23.0	55.3	248
FS InVISION	FS 6133VDG RIB	2	22.4	56.4	190
FS InVISION	FS 6137PC	2	25.3	53.9	236
Hubner Seed	H0881D	2	21.9	53.4	207
Hubner Seed	H09G056	2	19.5	55.4	202
Mid-Atlantic Seeds	MA5097D	2	23.3	53.8	182
Mid-Atlantic Seeds	MA6094PWE	2	24.4	53.7	207
Mid-Atlantic Seeds	MA8108VT2PRIB	2	21.7	55.5	185
Mid-Atlantic Seeds	MA8110TRECIB	2	22.9	53.8	228
Seed Consultants	SC1093AM	2	24.0	55.2	179
Seed Consultants	SC1094Q	2	23.2	54.3	191
Seed Consultants	SC1112AM	2	25.0	53.6	230
Maturity Average			23.1	54.5	208.4
L.S.D. (0.05)			4.2	2.6	58.6
C.V.			12.6	3.3	20.0
112-115 Days Relative Maturity					
Augusta Seed	A1365	3	29.9	54.9	236
Augusta Seed	A1964	3	24.3	53.0	183
Augusta Seed	A3363	3	23.0	54.5	184
DEKALB	DKC62-70RIB	3	25.0	55.1	203
DEKALB	DKC64-22RIB	3	26.3	56.0	217
DEKALB	DKC65-95RIB	3	25.9	54.5	226
FS InVISION	FS 6424V RIB	3	26.5	53.9	215
FS InVISION	FS 6595X RIB	3	27.3	53.2	246
Hubner Seed	H4763RC2P	3	26.6	54.7	221
Mid-Atlantic Seeds	MA5124VIP3110	3	27.5	60.2	208
Mid-Atlantic Seeds	MA5155VIP3110	3	28.4	55.4	196
Mid-Atlantic Seeds	MA6148PWE	3	26.4	60.2	230
Mid-Atlantic Seeds	MA6153PWE	3	26.4	63.1	172
Mid-Atlantic Seeds	MA8136DGVT2PRIB	3	22.1	53.8	159
Mid-Atlantic Seeds	MA8145VT2PRIB	3	23.7	55.5	192
Pioneer	P1222YHR	3	20.9	56.2	206
Seed Consultants	SC1134AM	3	23.0	53.5	219
Seed Consultants	SC1154AM	3	24.3	54.6	188
Maturity Average			25.4	55.7	205.5
L.S.D. (0.05)			5.2	2.3	61.2

C.V.			2.0	3.0	21.1
>115 Days Relative Maturity					
DEKALB	DKC66-06RIB	4	24	55	237
DEKALB	DKC68-35RIB	4	27	55	230
DEKALB	DKC70-45RIB	4	27	54	251
FS InVISION	FS 6634V RIB	4	24	54	221
Hubner Seed	H1880D	4	30	54	205
Pioneer	P1622VYHR	4	29	53	229
Seed Consultants	SC1183AM	4	27	52	219
Maturity Average			26.7	53.9	227.5
L.S.D. (0.05)			5.2	1.8	84.3
C.V.			13.1	2.2	25.2

Planted April 25, 2023. The population was 27,800 plants/a. Harvested October 4, 2023.

Table 21. Corn Yields at the Shenandoah Valley at Shenandoah, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H0881D	2	22.4	52.5	260
Hubner Seed	H09G056	2	21.6	53.3	241
Mid-Atlantic Seeds	MA8108VT2PRIB	2	22.5	53.4	217
Mid-Atlantic Seeds	MA8110TRECIB	2	22.9	53.0	243
Seed Consultants	SC1093AM	2	24.1	54.4	212
Seed Consultants	SC1112AM	2	24.2	53.3	253
Maturity Average			22.9	53.3	237.7
L.S.D. (0.05)			2.7	2.1	44.1
C.V.			11.5	3.9	18.4
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	3	22.8	53.4	246
DEKALB	DKC65-95RIB	3	23.9	53.1	251
FS InVISION	FS 6595X RIB	3	25.5	52.3	256
Hubner Seed	H4763RC2P	3	24.5	53.6	250
Mid-Atlantic Seeds	MA5124VIP3110	3	23.4	53.7	225
Mid-Atlantic Seeds	MA5155VIP3110	3	24.3	54.1	238
Mid-Atlantic Seeds	MA8136DGVT2PRIB	3	21.9	54.0	211
Maturity Average			23.8	53.5	239.6
L.S.D. (0.05)			3.7	1.7	48.1
C.V.			15.7	3.2	20.0
>115 Days Relative Maturity					
Hubner Seed	H1880D	4	27.0	52.8	224
Seed Consultants	SC1183AM	4	23.6	52.8	238
Maturity Average			25.3	52.8	231.0
L.S.D. (0.05)			4.5	1.6	60.2
C.V.			16.5	2.8	24.3

Table 22. Corn Yields at the Shenandoah Valley at Shenandoah, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H09G056	2	21.1	52.4	251
Mid-Atlantic Seeds	MA8110TRECIB	2	22.4	53.2	259
Seed Consultants	SC1112AM	2	22.9	53.4	268
Maturity Average			22.1	53.0	258.9
L.S.D. (0.05)			2.0	1.4	30.7
C.V.			10.7	3.1	14.3
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	3	22.4	53.3	243
DEKALB	DKC65-95RIB	3	23.4	52.8	262
FS InVISION	FS 6595X RIB	3	24.9	52.6	248
Hubner Seed	H4763RC2P	3	23.6	53.4	254
Mid-Atlantic Seeds	MA5155VIP3110	3	25.0	53.8	246
Maturity Average			23.9	53.2	250.5
L.S.D. (0.05)			2.8	1.1	29.4
C.V.			14.5	2.6	14.3

Table 23. Corn Yields at the Northern Piedmont Center at Orange, Virginia in 2023 - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Augusta Seed	A1958	2	12.9	57.4	166
Dyna-Gro	D50VC09RIB	2	14.2	53.8	157
DEKALB	DKC110-41RIB	2	13.4	54.9	170
DEKALB	DKC111-35RIB	2	14.7	57.0	168
FS InVISION	FS 6017V RIB	2	13.0	53.9	189
FS InVISION	FS 6133VDG RIB	2	14.6	55.1	165
FS InVISION	FS 6137PC	2	15.0	55.3	180
Hubner Seed	H0881D	2	13.7	54.4	173
Hubner Seed	H09G056	2	14.4	54.5	145
Mid-Atlantic Seeds	MA5097D	2	12.6	55.4	149
Mid-Atlantic Seeds	MA6094PWE	2	14.0	55.4	189
Mid-Atlantic Seeds	MA8108VT2PRIB	2	12.4	56.5	168
Mid-Atlantic Seeds	MA8110TRECIB	2	14.2	54.5	187
MorCorn	MC 4161 VT2P	2	13.7	54.8	197
Revere	Revere 0918 VT2P	2	13.3	53.3	157
Seed Consultants	SC1084AM	2	12.9	55.5	165
Seed Consultants	SC1093AM	2	12.5	55.5	165
Seed Consultants	SC1112AM	2	15.8	55.1	175
Maturity Average			13.7	55.1	170.3
L.S.D. (0.05)			1.8	1.1	41.3
C.V.			9.3	1.4	17.1
112-115 Days Relative Maturity					
Augusta Seed	A1365	3	13.7	55.7	181
Augusta Seed	A1964	3	14.0	55.2	169
Augusta Seed	A2164	3	16.1	54.2	172
Augusta Seed	A2262	3	11.8	55.0	168
Augusta Seed	A3363	3	13.9	55.2	143
Augusta Seed	A6664	3	13.9	55.8	164
Dyna-Gro	D53TC23RIB	3	13.1	53.4	202
DEKALB	DKC62-70RIB	3	14.0	56.9	190
DEKALB	DKC64-22RIB	3	14.7	57.7	220
DEKALB	DKC65-95RIB	3	15.8	56.5	206
FS InVISION	FS 6217T RIB	3	14.7	55.2	142

FS InVISION	FS 6306T RIB	3	13.4	64.3	165
FS InVISION	FS 6424V RIB	3	15.3	56.9	204
FS InVISION	FS 6595V RIB	3	15.2	55.9	177
FS InVISION	FS 65R87VT2P	3	14.1	56.0	205
Hubner Seed	H4763RC2P	3	16.2	55.6	160
Mid-Atlantic Seeds	MA5124VIP3110	3	14.0	54.9	152
Mid-Atlantic Seeds	MA5155VIP3110	3	15.0	57.6	190
Mid-Atlantic Seeds	MA6148PWE	3	14.5	55.4	181
Mid-Atlantic Seeds	MA6153PWE	3	14.4	55.2	182
Mid-Atlantic Seeds	MA8136DGVT2PRIB	3	14.4	55.2	152
Mid-Atlantic Seeds	MA8145VT2PRIB	3	14.5	56.6	182
Pioneer	P1222YHR	3	14.6	55.4	191
Revere	Revere 1307 TC	3	14.1	53.9	194
Revere	Revere 1577 VT2P	3	13.1	56.1	184
Seed Consultants	SC1134AM	3	14.0	55.4	175
Seed Consultants	SC1154AM	3	16.9	60.8	159
Maturity Average			14.4	56.1	178.1
L.S.D. (0.05)			2.2	1.1	40.7
C.V.			10.7	1.3	16.2

>115 Days Relative Maturity

Augusta Seed	A7168	4	16.3	55.7	182
Dyna-Gro	D57TC29RIB	4	14.3	55.0	184
DEKALB	DKC66-06RIB	4	14.0	55.4	190
DEKALB	DKC68-35RIB	4	16.3	56.9	206
DEKALB	DKC70-45RIB	4	17.2	56.3	211
FS InVISION	FS 6627T RIB	4	15.2	55.2	212
FS InVISION	FS 6634V RIB	4	14.0	55.3	161
FS InVISION	FS 6818V RIB	4	17.2	57.4	186
Hubner Seed	H1880D	4	16.5	54.4	190
Pioneer	P1622VYHR	4	16.0	56.4	159
Revere	Revere 1627 TC	4	16.5	60.2	176
Seed Consultants	SC1183AM	4	16.9	54.6	170
Maturity Average			15.9	56.1	185.7
L.S.D. (0.05)			2.2	1.2	42.1
C.V.			9.7	1.5	15.8

Planted April 20, 2023. Population was 27,800 plants/a. Harvested September 20, 2023.

Table 24. Corn Yields at the Northern Piedmont Center at Orange, Virginia, Two-Year Average (2022 and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Dyna-Gro	D50VC09RIB	2	15.9	52.8	206
FS InVISION	FS 6017V RIB	2	15.0	54.6	217
Hubner Seed	H0881D	2	18.1	53.0	182
Hubner Seed	H09G056	2	14.9	53.4	161
Mid-Atlantic Seeds	MA8108VT2PRIB	2	16.3	55.3	160
Mid-Atlantic Seeds	MA8110TRECRIB	2	15.5	53.5	221
Seed Consultants	SC1093AM	2	14.6	54.7	202
Seed Consultants	SC1112AM	2	17.4	53.8	158
Maturity Average			16.0	53.9	188.3
L.S.D. (0.05)			3.0	1.5	35.7
C.V.			16.0	2.9	18.8
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	3	16.7	55.7	190
DEKALB	DKC65-95RIB	3	17.8	55.5	225
FS InVISION	FS 6217T RIB	3	17.1	54.0	177
FS InVISION	FS 6306T RIB	3	16.1	53.6	209
FS InVISION	FS 6595V RIB	3	17.2	54.6	172
FS InVISION	FS 65R87VT2P	3	16.3	55.2	222
Hubner Seed	H4763RC2P	3	17.5	54.8	172
Mid-Atlantic Seeds	MA5155VIP3110	3	17.3	53.4	218
Mid-Atlantic Seeds	MA8145VT2PRIB	3	16.6	55.3	231
Maturity Average			17.0	54.7	201.8
L.S.D. (0.05)			2.7	2.8	37.5
C.V.			15.8	5.1	18.6
>115 Days Relative Maturity					
Dyna-Gro	D57TC29RIB	4	17.6	53.8	167
FS InVISION	FS 6627T RIB	4	16.7	54.6	238
FS InVISION	FS 6818V RIB	4	18.4	56.2	196
Hubner Seed	H1880D	4	19.5	53.0	191
Seed Consultants	SC1183AM	4	17.6	53.6	143
Maturity Average			18.0	54.2	186.7
L.S.D. (0.05)			2.9	1.5	27.5
C.V.			15.6	2.7	14.5

Table 25. Corn Yields at the Northern Piedmont Center at Orange, Virginia, Three-Year Average (2021, 2022, and 2023) - Virginia Tech Trials.

Company	Variety	Maturity number	AVG Moisture, %	AVG Test weight, lb/bu	AVG Yield @ 15.5% moisture and 56 lb/bu
108-111 Days Relative Maturity					
Hubner Seed	H09G056	2	16.1	53.2	162
Seed Consultants	SC1112AM	2	17.9	53.7	154
Maturity Average			17.0	53.4	157.9
L.S.D. (0.05)			1.5	1.3	23.6
C.V.			10.1	2.8	17.67
112-115 Days Relative Maturity					
DEKALB	DKC62-70RIB	3	17.7	55.4	168
DEKALB	DKC65-95RIB	3	18.5	54.8	195
FS InVISION	FS 6306T RIB	3	16.0	53.3	197
FS InVISION	FS 6595V RIB	3	18.0	53.9	159
FS InVISION	FS 65R87VT2P	3	17.3	55.0	195
Hubner Seed	H4763RC2P	3	18.8	54.1	159
Maturity Average			17.7	54.4	178.8
L.S.D. (0.05)			2.1	1.1	34.4
C.V.			14.8	2.6	23.6

The Bt Trait Table for U.S. Corn Production

(updated February 2023). Thanks to Chris DiFonzo, Michigan State University, difonzo@msu.edu)

Trait packages, listed A-Z = former name if applicable	Bag- tag Code	Toxins in package Font type denotes target caterpillar or rootworm	Marketed to control											Resistance cases for all Bts in package	Non-Bt refuge cornbelt	Herbicide tolerance	
			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	C R W					
AcreMax	AM	Cry1Ab - Cry1F	x	x	x	x	x	x	x						CEW FAW WBC	5% in bag	GLY LL
AcreMax CRW	AMRW	<i>Cry34Ab1 - Cry35Ab1</i>												x	NCR WCR	10% in bag	GLY LL
AcreMax1	AM1	Cry1F - <i>Cry34Ab1 - Cry35Ab1</i>	x		x	x	x	x	x					x	ECB FAW NCR SWCB WBC WCR	10% in bag 20% ECB	GLY LL
AcreMax Leptra	AML	Cry1Ab - Cry1F - Vip3A	x	x	x	x	x	x	x	x	x					5% in bag	GLY LL
AcreMax TRIsect	AMT	Cry1Ab - Cry1F - <i>mCry3A</i>	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	10% in bag	GLY LL
AcreMax Xtra	AMX	Cry1Ab - Cry1F - <i>Cry34Ab1 - Cry35Ab1</i>	x	x	x	x	x	x	x					x	CEW FAW NCR WBC WCR	10% in bag	GLY LL
AcreMax Xtreme	AMXT	Cry1Ab - Cry1F - <i>Cry34Ab1 - Cry35Ab1 - mCry3A</i>	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	5% in bag	GLY LL
Agrisure 3010	3010	Cry1Ab		x	x			x	x						CEW	20%	GLY LL
Agrisure 3000 GT & 3011A	3000GT 3011A	Cry1Ab - <i>mCry3A</i>		x	x			x	x					x	CEW WCR	20%	GLY LL
Agrisure Aove = Agrisure 3120EZ	AA	Cry1Ab - Cry1F	x	x	x	x	x	x	x						CEW FAW WBC	5% in bag	GLY LL - check bag
Agrisure Total = Agrisure 3122EZ	AT	Cry1Ab - Cry1F - <i>Cry34Ab1 - Cry35Ab1 - mCry3A</i>	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	5% in bag	GLY LL - check bag
Agrisure Viptera 3110	3110	Cry1Ab - Vip3A	x	x	x	x	x	x	x	x	x					20%	GLY LL
Agrisure Viptera 3111	3111	Cry1Ab - Vip3A - <i>mCry3A</i>	x	x	x	x	x	x	x	x	x	x			WCR	20%	GLY LL
Duracade = AgrisureDuracade 5122EZ	D	Cry1Ab - Cry1F - <i>eCry3.1Ab - mCry3A</i>	x	x	x	x	x	x	x					x	CEW FAW WBC WCR	5% in bag	GLY LL - check bag

Duracade Viptera = AgrisureDuracade 5222EZ	DV	Cry1Ab - Cry1F - Vip3A - eCry3.1Ab - mCry3A	x	x	x	x	x	x	x	x	x	x	x	WCR	5% in bag	GLY LL - check bag
Duracade Viptera Z3 = AgrisureDuracade 5332EZ	DVZ	Cry1Ab - Cry1A.105 - Cry2Ab2 - Vip3A - eCry3.1Ab - mCry3A	x	x	x	x	x	x	x	x	x	x	x	WCR	5% in bag	GLY LL - check bag
Herculex I	HXI	Cry1F	x		x	x	x	x	x					ECB FAW SWCB WBC	20%	GLY LL
Herculex RW	HXRW	Cry34Ab1 - Cry35Ab1											x	NCR WCR	20%	GLY LL
Herculex XTRA	HXX	Cry1F - Cry34Ab1 - Cry35Ab1	x		x	x	x	x	x				x	ECB FAW NCR SWCB WBC WCR	20%	GLY LL
Intrasect	YHR	Cry1Ab - Cry1F	x	x	x	x	x	x	x					CEW FAW WBC	5%	GLY LL
Intrasect TRIsect	CYHR	Cry1Ab - Cry1F - mCry3A	x	x	x	x	x	x	x				x	CEW FAW WBC WCR	20%	GLY LL
Intrasect Xtra	YXR	Cry1Ab - Cry1F - Cry34Ab1 - Cry35Ab1	x	x	x	x	x	x	x				x	CEW FAW NCR WBC WCR	20%	GLY LL
Intrasect Xtreme	CYXR	Cry1Ab - Cry1F - Cry34Ab1 - Cry35Ab1 - mCry3A	x	x	x	x	x	x	x				x	CEW FAW WBC WCR	5%	GLY LL
Leptra	VYHR	Cry1Ab - Cry1F - Vip3A	x	x	x	x	x	x	x	x	x				5%	GLY LL
Powercore	PW	Cry1A.105 - Cry2Ab2 - Cry1F	x	x	x	x	x	x	x					CEW WBC	5%	GLY LL
Powercore Refuge Advanced	PWRA	Cry1A.105 - Cry2Ab2 - Cry1F	x	x	x	x	x	x	x					CEW WBC	5% in bag	GLY LL
Powercore Enlist Refuge Advanced	PWE	Cry1A.105 - Cry2Ab2 - Cry1F	x	x	x	x	x	x	x					CEW WBC	5% in bag	GLY LL 2,4-D fops
QROME	Q	Cry1Ab - Cry1F - Cry34Ab1 - Cry35Ab1 - mCry3A	x	x	x	x	x	x	x				x	CEW FAW WBC WCR	5% in bag	GLY LL

SmartStax	SS, SX	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1	x	x	x	x	x	x	x			x	CEW NCR WBC WCR	5%	GLY LL
SmartStax Refuge Advanced	SXRA	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1	x	x	x	x	x	x	x			x	CEW NCR WBC WCR	5% in bag	GLY LL
SmartStax Enlist	SSE	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1	x	x	x	x	x	x	x			x	CEW NCR WBC WCR	5% in bag	GLY LL 2,4-D fops
SmartStax RIB Complete	SS SSRIB	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1	x	x	x	x	x	x	x			x	CEW NCR WBC WCR	5% in bag	GLY LL
SmartStax PRO Refuge Advanced	SSPro	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1 - <i>dvSnf7</i>	x	x	x	x	x	x	x			x	CEW WBC	5% in bag	GLY LL
SmartStax PRO Enlist Refuge Advanced		Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1 - <i>dvSnf7</i>	x	x	x	x	x	x	x			x	CEW WBC	5% in bag	GLY LL 2,4-D fops
SmartStax PRO with RNAi Technology	SSPRORIB	Cry1A.105 - Cry2Ab2 - Cry1F - Cry3Bb1 - Cry34Ab1 - Cry35Ab1 - <i>dvSnf7</i>	x	x	x	x	x	x	x			x	CEW WBC	5% in bag	GLY LL
Trecepta	TRE, TRC	Cry1A.105 - Cry2Ab2 - Vip3A	x	x	x	x	x	x	x	x	x			5%	GLY
Trecepta RIB Complete	TRERIB TRCRIB	Cry1A.105 - Cry2Ab2 - Vip3A	x	x	x	x	x	x	x	x	x			5% in bag	GLY
TRIssect	CHR	Cry1F - <i>mCry3A</i>	x		x	x	x	x	x			x	ECB FAW SWCB WBC WCR	20%	GLY LL

Viptera = Agrisure Viptera 3220EZ	V	Cry1Ab - Cry1F - Vip3A	x	x	x	x	x	x	x	x	x	x			5% in bag	GLY LL - check bag
Viptera Z3= AgrisureViptera 3330EZ	VZ	Cry1Ab - Cry1A.105 - Cry2Ab2 - Vip3A	x	x	x	x	x	x	x	x	x	x			5% in bag	GLY LL - check bag
Vorceed Enlist	V	Cry1A.105 - Cry2Ab2 - Cry1F- <i>Cry3Bb1</i> - <i>Cry34Ab1</i> - <i>Cry35Ab1</i> - <i>dvSnf7</i>	x	x	x	x	x	x	x				x	CEW NCR WBC	5% in bag	GLY LL 2,4-D fops
VT Double PRO	VT2P VT2PRO	Cry1A.105 - Cry2Ab2		x	x	x	x	x	x					CEW	5%	GLY
VT2P RIB Complete	VT2PRIB	Cry1A.105 - Cry2Ab2		x	x	x	x	x	x					CEW	5% in bag	GLY
VT TriplePRO	VT3P	Cry1A.105 - Cry2Ab2 - <i>Cry3Bb1</i>		x	x	x	x	x	x				x	CEW NCR WCR	20%	GLY
VT3P RIB Complete	VT3PRIB	Cry1A.105 - Cry2Ab2 - <i>Cry3Bb1</i>		x	x	x	x	x	x				x	CEW NCR WCR	10% in bag	GLY
VT4Pro w/RNAi Tech. <i>*Expected 2024</i>	VT4PRO	Cry1A.105 - Cry2Ab2 - Vip3A - <i>Cry3Bb1</i> - <i>dvSnf7</i>	x	x	x	x	x	x	x	x	x	x	x		5% in bag	GLY
Yieldgard Corn Borer	YGCB	Cry1Ab		x	x			x	x					CEW	20%	GLY
Yieldgard Rootworm	YGRW	<i>Cry3Bb1</i>											x	NCR WCR	20%	GLY
Yieldgard VT Triple	VT3	Cry1Ab - <i>Cry3Bb1</i>		x	x			x	x				x	CEW NCR WCR	20%	GLY

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