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VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2012

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Companies Participating in the 2012 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	PO Box 899, Verona, VA 24482
BioGene	BioGene	5477 Tri-County Hwy, Sardinia, OH 45171
Crop Production Services	Dyna-Gro	15277 Richmond Tappahannock Hwy, St. Stephens Church, VA 23148-0409
Doeblers	Doeblers and RPM®	202 Tiadaghton Ave., Jersey Shore, PA 17740
Hubner Seed	Hubner Seed	10280 W State Road 28, West Lebanon, IN 47991
Mid-Atlantic Seeds, Inc	Mid-Atlantic	204 St Charles Way #163, York, PA 17404
Monsanto	Channel and DEKALB	800 N Lindbergh Blvd, St Louis, MO 63167
Meherrin	Phoenix	413 Main St, Severn, NC 27877
Pioneer Hi-Bred International, Inc	Pioneer	700 Boulevard South, Suite 302, Huntsville, AL 35802
Seed Consultants, Inc	Seed Consultants	PO Box 370, Washington Courthouse, OH 43160
Southern States Cooperative, Inc	Southern States	6606 West Broad St., Richmond, VA 23230
Syngenta Seeds	Garst and NK Brand	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds LLC	T.A. Seeds	PO Box 300, Avis, PA 17721

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

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Background Information

Performance trials of commercial corn hybrids were conducted at six locations in Virginia in 2012. 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. The non-irrigated test at Mt. Holly was abandoned due to severe bird damage. The Blackstone site was abandoned due to severe drought. 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 the companies participating in the trials is shown in the above table. All hybrids entered in the Virginia trials were those submitted by commercial companies. The locations at which particular hybrids were entered were specified by the company. Companies entering hybrids were charged a fee for each hybrid per location to support the Virginia Corn Hybrid and Management Trials.

Yield Differences

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

Understanding Relative Yield

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

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

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

Choice of Hybrids

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

2012 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm

Planted: May 12, 2012
Harvested: October 25, 2012
Population: 19,045 plants/acre
Pesticide: Gly-4 Plus® April 3, 2012 to control early weed pressure from early, warm spring; pre-plant incorporation of .75 lb Atrazine + 1 lb Simazine + 2 qt Gly-4 Plus® + 1 oz Python® + 2 qt Trizmet™ II April 30, 2012; 5 lb Force 3G® at planting; 0.75 qt Atrazine + 1 1/3 oz Permit® + 0.5 pt Banvel® June 8, 2012
Fertilizer: 40-60-50 pre-plant incorporated May 1, 2012; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 lb N using UAN June 20, 2012
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Hayter
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 10, 2012
Harvested: abandoned due to drought
Pesticide: 5 lb Force 3G® at planting
Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 9, 2012; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 lb N top-dressed May 15, 2012
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Durham Sandy Loam
Cooperator: Ned Jones

Holland Tidewater Agricultural Research & Extension Center

Planted: April 11, 2012; replanted May 3, 2012
Harvested: September 10-11, 2012
Population: 21,510 plants/acre
Pesticide: 3 qt Lariat® pre-plant incorporated April 9, 2012; 1 qt Roundup WeatherMAX April 10, 2012; 1 pt Atrazine 4L + 1 qt Gramoxone May 2, 2012; 5 lb Force 3G® at first planting
Fertilizer: 300 lb 8-15-36 March 29, 2012; 60 units N using 24-0-0-3 April 9, 2012, 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 units 24-0-0-3 June 4, 2012
Irrigation: 2" July 5-6, 2012
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Nansemond and Eunola
Cooperator: Bobby Ashburn

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

Planted: May 2, 2012
Harvested: abandoned due to severe bird damage
Soil Type: State fine sandy loam
Cooperator: Bruce Beahm

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

Planted: April 30-May 1, 2012
Harvested: September 19-20, 2012
Population: 22,325 plants/acre
Pesticide: 5.5 pt Lumax® + 1 qt Atrazine + 1 qt Princep® + Gramoxone + 2,4-D for burndown pre-plant incorporated + 5 lb Force 3G® at planting
Fertilizer: 60-50-80 pre-plant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 140 lb N + 17 lb S applied as 24-0-0-3 June 1, 2012
Irrigation:

1.0" June 14	1.0" July 9
0.8" June 19	1.0" July 11
0.8" June 23	1.0" July 17
0.8" June 27	0.5" July 25
1.0" July 4	

Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: State fine sandy loam
Cooperator: Bruce Beahm

Orange Northern Piedmont Agricultural Research & Extension Center

Planted: May 22, 2012
Harvested: October 11, 2012
Population: 24,220 plants/acre
Pesticide: 3 qt Lumax® + 1 qt Atrazine + 1 qt Roundup pre-plant incorporated April 17, 2012; 1 qt Gramoxone May 1, 2012
Fertilizer: 30-80-60 April 20, 2012; 100 lb N side-dressed June 19, 2012.
Plot Size: 2 rows 30' x 30" 4 replications
Soil Type: Davidson silty clay loam
Cooperators: Steve Gulick

Shenandoah Valley (Lynnwood - Thanks to Monte and Gerald Heatwole at Cub Run Dairy)

Planted: May 21, 2012
Harvested: October 9, 2012
Population: 23,175 plants/acre
Pesticide: 1.125 qt Aatrex® (atrazine) + 1.5 qt Princep® + 5.8 oz Asana® + 1.5 qt Lumax® May 12, 2012; 5 lb Force 3G® at planting; 1.5 qt Prowl® + 0.5 oz Profine (generic Permit) + 1.25 qt Touchdown Total® (glyphosate).
Fertilizer: Preplant broadcast 8 tons dairy heifer bed pack; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 20 lb S as AMS 5/12/2012; 3 applications each of 30 lb N with irrigation pivot.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Allegheny fine sandy loam
Cooperators: Matt Yancey and Monte Heatwole

Table 1. List of Hybrids in the 2012 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group[1]	DTM[2]	OBS[3]
Augusta	A2852GT3000A	6	102	2
Augusta	A2854CBLL	1	104	2
Augusta	A2954GT3000A	6	104	2
Augusta	A4557		107	2
Augusta	A5175CB	24	107	2
Augusta	A5457		107	2
Augusta	A5558VT3	28	108	2
Augusta	A5658GTCBLL	2	108	2
Augusta	A5360		110	2
Augusta	A5560VT3	28	110	4
Augusta	A0606GTCBLLA	1	111	2
Augusta	A0720GTCBLL	2	112	2
Augusta	A5362VT3Pro	31	112	2
Augusta	A5262GT	6	113	2
Augusta	A5363VT3Pro	31	113	2
Augusta	A7664VT3	31	114	2
Augusta	A5565VT3Pro	31	115	2
Augusta	A6867GTCBLLA	2	117	4
Augusta	A6867CBLL	1	117	5
BioGene	BG 831V2	29	113	1
BioGene	BG 850V3	31	114	1
BioGene	BG 841V2	29	114	1
Channel	207-13VT3P	31	107	1
Channel	211-99VT3P	31	111	3
Channel	212-09STX	32	112	2
Channel	213-40VT3P	31	113	3
Channel	214-14VT3P	31	114	3
Channel	215-52VT3P	31	115	2
Channel	217-08VT3P	31	117	3
DEKALB	DKC60-62 VT3P	31	110	3
DEKALB	DKC61-88 VT3P	31	111	3
DEKALB	DKC62-09 VT3P	31	112	4
DEKALB	DKC62-97 VT3P	31	112	4
DEKALB	DKC63-87 VT2P	29	113	4
DEKALB	DKC64-69 VT3P	31	114	4
DEKALB	DKC66-96 VT3P	31	116	3
DEKALB	DKC66-86 VT3P	31	116	3
DEKALB	DKC67-57 VT3P	31	117	3
DEKALB	DKC68-05 VT3P	31	118	2
Doeblers	RPM® 588AMX™	18	107	5
Doeblers	RPM® 609AM1™	17	108	5
Doeblers	RPM® 647AM1™	17	110	5
Doeblers	RPM® 633HXR™	12	110	5
Doeblers	RPM® 688AMX™	18	113	5
Doeblers	RPM® 743HXR™	12	116	5
Dyna-Gro	D49VP88	31	109	5
Dyna-Gro	D51VP32	31	111	5

Table 1, continued. List of Hybrids in the 2012 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group[1]	DTM[2]	OBS[3]
Dyna-Gro	D54VP81	31	114	5
Dyna-Gro	D57VP51	31	117	5
Garst	85V88 3000GT Brand	6	107	1
Garst	84A40 3000GT Brand	6	110	1
Garst	83R38 3000GT Brand	6	114	1
Garst	83Z99 3000GT Brand	6	115	1
Hubner Seed	H6644RCSS	32	112	5
Hubner Seed	H4600RC2P	29	112	5
Hubner Seed	H5709VT3P	31	114	5
Hubner Seed	EX844VT3P	31	115	5
Mid-Atlantic	MA5001GT3VIP	6	98	2
Mid-Atlantic	MAX5022GT3	6	100	2
Mid-Atlantic	MA5055GT3	6	102	2
Mid-Atlantic	MAX8065VT3P	31	104	2
Mid-Atlantic	MA9076		105	2
Mid-Atlantic	MAX8089VT3P	31	106	2
Mid-Atlantic	MA8088VT3	28	106	2
Mid-Atlantic	MA8096VT3P	28	107	2
Mid-Atlantic	MAX8099VT3P	31	107	2
Mid-Atlantic	MAX5099GTCBLL	2	107	2
Mid-Atlantic	MA8109VT3P	31	108	2
Mid-Atlantic	MA8102VT3P	31	108	2
Mid-Atlantic	MA8111VT3P	31	109	2
Mid-Atlantic	MAX8124VT3P	31	110	2
Mid-Atlantic	MA8127VT3P	31	111	2
Mid-Atlantic	MA8167VT3P	31	114	2
Mid-Atlantic	MA5160GTCBLL	2	114	2
NK Brand	N45P 4000 Brand	6	101	1
NK Brand	N63R 3000GT Brand	6	109	1
NK Brand	N68A 3000GT Brand	6	111	1
NK Brand	N68B 3111 Brand	9	111	2
NK Brand	N74R 3000GT Brand	6	114	1
NK Brand	N74G 3000GT Brand	6	114	2
NK Brand	N78S 3111 Brand	9	116	2
Phoenix	5320A3	6	107	1
Phoenix	5552A4	9	111	1
Phoenix	6948A3	6	114	1
Phoenix	6522A4	9	114	2
Phoenix	7914A3	6	115	2
Phoenix	6542A4	9	116	2
Phoenix	8400A3	6	117	1
Phoenix	8500A4	9	118	1
Pioneer	P0210AM-R	18	102	3
Pioneer	P0912HR	12	109	4
Pioneer	P1184AM-R	18	111	5

Table 1, continued. List of Hybrids in the 2012 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group[1]	DTM[2]	OBS[3]
Pioneer	P1319HR	12	113	4
Pioneer	P1498HR	12	114	5
Pioneer	P2088YHR	12	120	5
Seed Consultants	SCS 11HR02™	12	109	3
Seed Consultants	SCS 11HR21™	12	111	3
Seed Consultants	SC 11AGT30™	2	112	4
Seed Consultants	SCS 11HR31™	12	112	4
Seed Consultants	SCS 11AQ43™	18	112	4
Seed Consultants	SCS 1138AMX™	18	112	4
Seed Consultants	SCS 11HQ42™	14	113	4
Seed Consultants	SCS 11HR63™	12	115	4
Seed Consultants	SCS 11HQ70™	14	116	3
Seed Consultants	SC 11GT72™	2	117	3
Southern States	SS 54-32 GENVT3P	31	104	3
Southern States	SS 62-33 GENVT3P	31	112	2
Southern States	SS 62-32 GENVT3P	31	112	4
Southern States	SS 63-32 GENVT3P	31	113	2
Southern States	SS 788 GENVT3P	31	116	2
Southern States	SS 67-32 GENVT3P	31	117	2
Southern States	SS 824 GENVT3P	31	117	2
T.A. Seeds	TA522-22DP	29	102	5
T.A. Seeds	TA533-21	9	103	5
T.A. Seeds	TA565-20	6	106	5
T.A. Seeds	TA108-00		108	5
T.A. Seeds	TA583-22DP	29	108	5
T.A. Seeds	TA583-28	32	108	5
T.A. Seeds	TA617-20	6	110	5
T.A. Seeds	TA647-22DP	29	111	5
T.A. Seeds	TA683-22DP	29	112	5
T.A. Seeds	TA753-22DP	29	114	5
T.A. Seeds	TA765-00		115	5
T.A. Seeds	TA780-13V	28	116	5
T.A. Seeds	TA785-22DP	29	119	5

[1] Trait Group according to Table 2.

[2] Days to maturity (DTM) provided by company; differences in maturity rating methods may exist.

[3] Number of observations hybrid occurred (OBS); the greater the observations, the more reliable the data.

Hybrids are sorted by Brand then DTM.

Table 2. Handy Bt Trait Table

Updated October 29, 2012
Chris DiFonzo, Michigan State University, East Lansing, MI
and
Eileen Cullen, University of Wisconsin, Madison, WI

Abbreviations:

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

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

Table 2. **29-Oct-12**	**Bt protein(s)**	**Insects controlled (bold)** or *suppressed (italics)* *Above-ground ---------- In soil*		**Herbicide tolerance**	**Refuge %, location** **Non-cotton counties**
Agrisure products					
1-Agrisure CB/LL	Cry1Ab	**ECB** *CEW FAW SB*	---	LL	20% within ½ mile
2-Agrisure GT/CB/LL	Cry1Ab	**ECB** *CEW FAW SB*	---	GT LL	20% within ½ mile
3-Agrisure RW	mCry3A	---	**CRW**	--	20% in field/adjacent
4-Agrisure GT/RW	mCry3A	---	**CRW**	GT	20% in field/adjacent
5-Agrisure CB/LL/RW	Cry1Ab mCry3A	**ECB** *CEW FAW SB*	**CRW**	LL	20% in field/adjacent
6-Agrisure 3000GT	Cry1Ab mCry3A	**ECB** *CEW FAW SB*	**CRW**	GT LL	20% in field/adjacent
7-Agrisure Artesian 4011	Cry1Ab mCry3A	**ECB** *CEW, FAW, SB*	**CRW**	GT LL	20% in field/adjacent
8-Agrisure Viptera 3110	Cry1Ab Vip3A	**BCW CEW** **ECB FAW WBC SB**	---	GT LL	20% within ½ mile
9-Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	**BCW CEW** **ECB FAW WBC SB**	**CRW**	GT LL	20% in field/adjacent
10-Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	GT	5% **in the bag**
11-Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	**BCW CEW** **ECB FAW WBC SB**	---	GT	5% **in the bag**
Herculex products					
12-Herculex 1 (HX1)	Cry1F	**BCW ECB FAW WBC** *CEW SB*	---	LL RR2 (some)	20% within ½ mile
13-Herculex RW (HXRW)	Cry34/35Ab1	---	**CRW**	LL RR2 (some)	20% in field/adjacent
14-Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2 (some)	20% in field/adjacent
Optimum products					
15-Optimum (AM-R) AcreMax	Cry1F Cry1Ab	**BCW ECB FAW WBC** *CEW SB*	---	RR2	5% ***in the bag***
16-Optimum (AMRW-R) AcreMax Rootworm	Cry34/35Ab1	---	**CRW**	RR2	10% ***in the bag***
17-Optimum (AM1) AcreMax1	Cry1F Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	10% ***in the bag*** (CRW) 20% -½ mile (ECB)
18-Optimum (AMX-R)	Cry1F Cry1Ab	**BCW ECB FAW WBC**	**CRW**	RR2	10% ***in the bag***

AcreMax Xtra	Cry34/35Ab1	*CEW SB*			
19-Optimum (AMXT-R) AcreMax Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	RR2	5% ***in the bag***
20-Optimum Intrasect	Cry1F Cry1Ab	**BCW ECB FAW WBC** *CEW SB*	---	LL RR2	5% within ½ mile
21-Optimum Intrasect Xtra	Cry1F Cry1Ab Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	20% in field/adjacent
22-Optimum Intrasect Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	5% in field/adjacent
23-Optimum TRIsect	Cry1F mCry3A	**BCW ECB FAW WBC** *CEW SB*	**CRW**	LL RR2	20% in field/adjacent
YieldGard products					
24-YGCB	Cry1Ab	**ECB** *CEW FAW SB*	---	RR2 (some)	20% within ½ mile
25-YGRW	Cry3Bb1	---	**CRW**	RR2 (some)	20% in field/adjacent
26-YieldGard Plus	Cry1Ab Cry3Bb1	**ECB** *CEW FAW SB*	**CRW**	RR2 (some)	20% in field/adjacent
27-YieldGard VTRW	Cry3Bb1	---	**CRW**	RR2	20% in field/adjacent
28-YieldGard VT Triple	Cry1Ab Cry3Bb1	**ECB** *CEW FAW SB*	**CRW**	RR2	20% in field/adjacent
Genuity / SmartStax products					
29-Genuity VT Double PRO	Cry1A.105 Cry2Ab2	**CEW ECB FAW**	---	RR2	5% within ½ mile
30-Genuity VT Double PRO RIB Complete	Cry1A.105 Cry2Ab2	**CEW ECB FAW**	---	RR2	5% ***in the bag***
31-Genuity VT Triple PRO RIB Complete	Cry1A.105 Cry2Ab2 Cry3Bb1	**CEW ECB FAW**	**CRW**	RR2	10% **in the bag**
32-SmartStax (Dow) or Genuity SmartStax (Monsanto)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	**BCW CEW ECB FAW WBC** *SB*	**CRW**	LL RR2	5% in field/adjacent
33-Genuity SmartStax RIB Complete	Same as Genuity SmartStax	**BCW CEW ECB FAW WBC** *SB*	**CRW**	LL RR2	5% ***in the bag***
34-REFUGE ADVANCED Powered by SmartStax	Same as SmartStax	**BCW CEW ECB FAW WBC** *SB*	**CRW**	LL RR2	*5%* ***in the bag***

Table 3. 2012 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	ID	DTM per Co.[1]	Holland	Mt Holly Irrigated	Orange	Black-burg	Shenan-doah	Mean
<108 Days Relative Maturity									
Pioneer	P0210AM-R	5063	102	---	104	97	---	98	99
T.A. Seeds	TA533-21	4550	103	104	95	97	88	102	97
Southern States	SS 54-32 GENVT3P	8382	104	---	---	87	95	81	88
Doeblers	RPM® 588AMX™	5144	107	69	91	85	93	91	86
T.A. Seeds	TA565-20	4539	106	91	76	91	78	86	84
T.A. Seeds	TA522-22DP	4549	102	79	83	71	84	86	81
108-111 Days Relative Maturity									
Pioneer	P0912HR	5065	109	---	108	110	107	98	106
Doeblers	RPM® 633HXR™	9201	110	107	94	107	110	110	106
T.A. Seeds	TA647-22DP	5404	111	109	110	103	104	96	104
DEKALB	DKC61-88 VT3P	4265	111	---	106	98	---	108	104
T.A. Seeds	TA617-20	5403	110	116	98	120	100	87	104
Doeblers	RPM® 647AM1™	5146	110	108	111	107	97	94	104
T.A. Seeds	TA583-22DP	5401	108	90	108	111	107	92	101
Augusta	A5560VT3	8123	110	107	110	96	94	---	102
Seed Consultants	SCS 11HR21™	4627	111	---	98	---	99	106	101
Seed Consultants	SCS 11HR02™	4630	109	---	115	---	95	90	100
Pioneer	P1184AM-R	5066	111	88	105	104	98	104	100
T.A. Seeds	TA583-28	5402	108	108	104	91	100	91	99
Doeblers	RPM® 609AM1™	5145	108	103	111	92	94	92	98
Dyna-Gro	D51VP32	4075	111	89	99	103	93	99	97
Channel	211-99VT3P	4753	111	---	99	85	---	100	95
Dyna-Gro	D49VP88	4074	109	110	95	83	94	86	94
T.A. Seeds	TA108-00	4536	108	99	89	91	76	87	88
DEKALB	DKC60-62 VT3P	4272	110	105	85	75	---	86	88
112-115 Days Relative Maturity									
Seed Consultants	SCS 11HR31™	4634	112	---	114	105	118	118	114
Channel	213-40VT3P	4761	113	106	107	123	---	---	112
Channel	214-14VT3P	4754	114	---	116	112	---	103	110
Hubner Seed	EX844VT3P	4887	115	109	105	104	117	106	108

Table 3, continued. 2012 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	ID	DTM per Co.[1]	Holland	Mt Holly Irrigated	Orange	Black-burg	Shenan-doah	Mean
Pioneer	P1498HR	5068	114	112	96	115	103	105	106
Dyna-Gro	D54VP81	4068	114	109	118	98	106	95	105
Seed Consultants	SCS 11AQ43™	4640	112	---	94	108	113	104	105
Pioneer	P1319HR	5067	113	---	114	98	101	107	105
DEKALB	DKC63-87 VT2P	4269	113	93	119	89	---	108	102
DEKALB	DKC64-69 VT3P	4259	114	110	98	108	---	95	103
T.A. Seeds	TA753-22DP	5406	114	105	108	101	104	91	102
Hubner Seed	H5709VT3P	4886	114	105	105	85	105	100	100
Seed Consultants	SCS 1138AMX™	4642	112	---	97	84	102	121	101
Seed Consultants	SC 11AGT30™	4628	112	---	90	93	106	107	99
T.A. Seeds	TA765-00	4526	115	91	83	108	99	112	99
Hubner Seed	H4600RC2P	4885	112	111	78	114	98	94	99
DEKALB	DKC62-09 VT3P	4266	112	95	95	101	---	102	98
T.A. Seeds	TA683-22DP	5405	112	89	79	119	107	102	99
Seed Consultants	SCS 11HR63™	4638	115	---	95	91	99	118	101
Hubner Seed	H6644RCSS	4883	112	89	95	101	98	97	96
Doeblers	RPM® 688AMX™	5141	113	102	101	73	87	106	94
Southern States	SS 62-32 GENVT3P	8383	112	---	90	90	102	94	94
DEKALB	DKC62-97 VT3P	5257	112	91	93	94	---	90	92
Seed Consultants	SCS 11HQ42™	4641	113	---	85	80	96	104	91
>115 Days Relative Maturity									
Pioneer	P2088YHR	5069	120	113	111	115	112	112	113
Doeblers	RPM® 743HXR™	5142	116	104	108	119	104	116	110
Dyna-Gro	D57VP51	4076	117	107	115	116	104	103	109
DEKALB	DKC67-57 VT3P	4271	117	117	99	110	---	---	109
T.A. Seeds	TA785-22DP	5407	119	87	108	116	117	99	105
Seed Consultants	SCS 11HQ70™	4639	116	---	---	87	111	108	102
Channel	217-08VT3P	4763	117	95	---	98	---	103	99
DEKALB	DKC66-96 VT3P	4260	116	91	93	108	---	---	97
Augusta	A6867CBLL	8107	117	90	91	100	101	98	96

Table 3, continued. 2012 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	ID	DTM per Co.[1]	Holland	Mt Holly Irrigated	Orange	Black-burg	Shenan-doah	Mean
Seed Consultants	SC 11GT72™	4637	117	---	---	91	95	99	95
T.A. Seeds	TA780-13V	4511	116	79	109	103	75	95	92
Augusta	A6867GTCBLLA	8118	117	82	92	84	---	106	91

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

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

Table 4. Two-year Average RELATIVE YIELD* (2011-2012) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Number of Obs.[2]	Relative Yield
<108 Days Relative Maturity				
T.A. Seeds	TA565-20	106	11	89
108-111 Days Relative Maturity				
Doeblers	RPM® 633HXR™	110	11	105
Augusta	A5560VT3	110	9	104
DEKALB	DKC61-88 VT3P	111	7	101
Seed Consultants	SCS 11HR02™	109	6	100
Seed Consultants	SCS 11HR21™	111	6	98
Channel	211-99VT3P	111	6	96
112-115 Days Relative Maturity				
Channel	213-40VT3P	113	6	118
Channel	214-14VT3P	114	6	110
DEKALB	DKC63-87 VT2P	113	8	109
Dyna-Gro	D54VP81	114	11	108
Seed Consultants	SCS 11HR31™	112	8	106
DEKALB	DKC64-69 VT3P	114	9	106
Seed Consultants	SC 11AGT30™	112	8	102
DEKALB	DKC62-09 VT3P	112	8	100
>115 Days Relative Maturity				
DEKALB	DKC67-57 VT3P	117	6	111
DEKALB	DKC66-96 VT3P	116	6	107
Augusta	A6867CBLL	117	11	103
T.A. Seeds	TA780-13V	116	9	101
Augusta	A6867GTCBLLA	117	10	99

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

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

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

Table 5. Three-year Average RELATIVE YIELD* (2010-2012) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Number of Obs.[2]	Relative Yield
108-111 Days Relative Maturity				
Doeblers	RPM® 633HXR™	110	17	107
Seed Consultants	SCS 11HR21™	111	11	102
Channel	211-99VT3P	111	11	99
112-115 Days Relative Maturity				
DEKALB	DKC64-69 VT3P	114	13	108
Channel	214-14VT3P	114	11	106
Seed Consultants	SC 11AGT30™	112	13	104
>115 Days Relative Maturity				
Augusta	A6867CBLL	117	17	105
DEKALB	DKC66-96 VT3P	116	9	105

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

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

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

Table 6. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MAX8089VT3P	106	164	18.8	54.8
Mid-Atlantic	MAX5099GTCBLL	107	144	18.4	51.2
Mid-Atlantic	MA8088VT3	106	137	18.7	52.0
T.A. Seeds	TA533-21	103	134	18.7	51.8
Mid-Atlantic	MA5055GT3	102	132	16.3	54.5
Mid-Atlantic	MAX8065VT3P	104	131	17.4	54.6
Augusta	A5175CB	107	131	19.1	53.1
Mid-Atlantic	MAX8099VT3P	107	129	19.1	54.4
Mid-Atlantic	MA9076	105	129	18.0	54.6
Augusta	A2852GT3000A	102	126	16.6	54.3
Augusta	A4557	107	126	18.0	54.7
Mid-Atlantic	MA8096VT3P	107	124	19.1	51.8
Augusta	A2854CBLL	104	122	18.5	54.8
T.A. Seeds	TA565-20	106	117	17.5	53.2
Augusta	A5457	107	113	17.6	53.9
Mid-Atlantic	MA5001GT3VIP	98	109	17.3	54.0
Phoenix	5320A3	107	106	18.1	53.3
T.A. Seeds	TA522-22DP	102	102	15.9	54.5
Mid-Atlantic	MAX5022GT3	100	101	16.1	55.6
Doeblers	RPM® 588AMX™	107	89	18.4	53.8
	Maturity Average		123	17.9	53.7
	L.S.D. (0.05)		29	1.3	2.1
	C.V.		16	4.6	2.3
108-111 Days Relative Maturity					
T.A. Seeds	TA617-20	110	149	18.7	52.7
Mid-Atlantic	MA8102VT3P	108	143	20.6	52.0
Dyna-Gro	D49VP88	109	142	19.4	53.0
Augusta	A5360	110	141	18.9	52.5
T.A. Seeds	TA647-22DP	111	140	18.4	54.7
T.A. Seeds	TA583-28	108	139	16.5	54.1
Doeblers	RPM® 647AM1™	110	139	19.9	55.4
Doeblers	RPM® 633HXR™	110	138	20.1	53.5
Augusta	A5560VT3	110	138	18.9	53.4
Mid-Atlantic	MAX8124VT3P	110	133	19.4	55.1
Doeblers	RPM® 609AM1™	108	133	17.6	55.0
Mid-Atlantic	MA8111VT3P	109	129	18.9	53.3
T.A. Seeds	TA108-00	108	127	20.4	51.9
Mid-Atlantic	MA8127VT3P	111	127	19.3	57.3
Phoenix	5552A4	111	125	19.5	49.3
NK Brand	N68B 3111 Brand	111	125	19.5	48.7
Mid-Atlantic	MA8109VT3P	108	122	19.1	49.2
T.A. Seeds	TA583-22DP	108	116	17.0	53.4

Table 6, continued. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D51VP32	111	115	19.1	54.7
Pioneer	P1184AM-R	111	113	17.5	55.5
	Maturity Average		132	18.9	53.2
	L.S.D. (0.05)		38	1.7	3.0
	C.V.		18	5.7	3.4
112-115 Days Relative Maturity					
Phoenix	6522A4	114	148	21.7	50.8
Augusta	A5362VT3Pro	112	148	19.7	53.9
Mid-Atlantic	MA5160GTCBLL	114	145	20.4	51.6
Pioneer	P1498HR	114	145	19.9	53.7
Hubner Seed	H4600RC2P	112	142	19.4	55.2
DEKALB	DKC64-69 VT3P	114	142	19.6	54.1
Augusta	A5565VT3Pro	115	141	20.7	54.0
Phoenix	7914A3	115	141	21.3	53.5
Dyna-Gro	D54VP81	114	141	19.1	52.2
Hubner Seed	EX844VT3P	115	140	19.6	53.5
Augusta	A0720GTCBLL	112	140	20.0	52.9
Mid-Atlantic	MA8167VT3P	114	140	21.6	52.9
Augusta	A7664VT3	114	138	20.8	51.7
Channel	213-40VT3P	113	137	19.1	51.5
Phoenix	6948A3	114	136	20.3	51.8
Hubner Seed	H5709VT3P	114	135	21.5	51.5
T.A. Seeds	TA753-22DP	114	135	19.2	53.8
Augusta	A5363VT3Pro	113	133	18.7	52.8
Doeblers	RPM® 688AMX™	113	132	19.9	54.4
DEKALB	DKC62-09 VT3P	112	122	18.7	53.0
DEKALB	DKC63-87 VT2P	113	119	19.4	53.4
NK Brand	N74G 3000GT Brand	114	119	19.4	53.8
Augusta	A5262GT	113	118	19.1	52.4
T.A. Seeds	TA765-00	115	117	20.4	54.3
DEKALB	DKC62-97 VT3P	112	117	18.3	52.7
T.A. Seeds	TA683-22DP	112	115	19.6	53.7
Hubner Seed	H6644RCSS	112	114	22.3	54.0
	Maturity Average		133	20.0	53.1
	L.S.D. (0.05)		31	1.2	2.0
	C.V.		15	4.0	2.1
>115 Days Relative Maturity					
DEKALB	DKC67-57 VT3P	117	151	20.0	53.9
Pioneer	P2088YHR	120	146	21.2	52.5
Dyna-Gro	D57VP51	117	138	19.6	53.2
Phoenix	6542A4	116	137	21.1	50.9
Phoenix	8400A3	117	136	21.1	53.4

Table 6, continued. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
DEKALB	DKC66-86 VT3P	116	135	20.9	52.0
Doeblers	RPM® 743HXR™	116	133	21.3	54.1
DEKALB	DKC68-05 VT3P	118	133	21.9	52.5
NK Brand	N78S 3111 Brand	116	125	21.4	51.1
Channel	217-08VT3P	117	122	19.9	54.5
Phoenix	8500A4	118	119	21.5	54.1
DEKALB	DKC66-96 VT3P	116	118	20.5	54.3
Augusta	A6867CBLL	117	116	21.3	53.3
T.A. Seeds	TA785-22DP	119	112	19.8	51.8
Augusta	A6867GTCBLLA	117	106	19.7	54.0
T.A. Seeds	TA780-13V	116	102	22.2	51.3
	Maturity Average		127	20.9	52.9
	L.S.D. (0.05)		29	1.5	1.8
	C.V.		14	4.2	1.9
	Location Average		129	19.4	53.2

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

[2] Reported at 15.5% moisture.

Planted May 3, 2012. Harvested September 9-10, 2012.

Table 7. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2011 and 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Augusta	A5175CB	107	120	18.8	53.2
Augusta	A5457	107	111	16.9	53.5
Augusta	A2852GT3000A	102	109	14.8	52.6
T.A. Seeds	TA565-20	106	101	16.9	53.1
	Maturity Average		110	16.8	53.1
	L.S.D. (0.05)		21	3.1	1.5
	C.V.		14	13.9	1.9
108-111 Days Relative Maturity					
Augusta	A5560VT3	110	117	16.7	53.6
Doeblers	RPM® 633HXR™	110	115	18.4	54.9
	Maturity Average		116	17.6	54.3
	L.S.D. (0.05)		56	6.6	17.2
	C.V.		19	15.1	4.1
112-115 Days Relative Maturity					
DEKALB	DKC64-69 VT3P	114	131	20.8	53.6
Dyna-Gro	D54VP81	114	119	17.4	54.5
	Maturity Average		125	19.1	54.0
	L.S.D. (0.05)		42	2.7	14.4
	C.V.		23	9.6	3.4
>115 Days Relative Maturity					
DEKALB	DKC67-57 VT3P	117	123	18.6	53.8
DEKALB	DKC66-96 VT3P	116	120	19.7	53.9
DEKALB	DKC68-05 VT3P	118	117	22.4	53.3
Augusta	A6867CBLL	117	109	22.1	53.2
T.A. Seeds	TA780-13V	116	105	21.6	51.8
Augusta	A6867GTCBLLA	117	102	19.9	54.6
	Maturity Average		113	20.7	53.4
	L.S.D. (0.05)		21	2.3	1.7
	C.V.		17	9.8	2.6
	Location Average		141	19.1	52.2

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

[2] Reported at 15.5% moisture.

Table 7. Three-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA, 2010-2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Augusta	A5457	107	120	16.6	55.2
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	131	17.4	56.1
112-115 Days Relative Maturity					
DEKALB	DKC64-69 VT3P	114	145	19.3	54.9
>115 Days Relative Maturity					
DEKALB	DKC66-96 VT3P	116	131	18.4	55.3
DEKALB	DKC68-05 VT3P	118	128	21.2	54.3
Augusta	A6867CBLL	117	119	20.2	54.5
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
	Location Average				

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

[2] Reported at 15.5% moisture.

Table 9. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 and 2011 - Virginia Tech Trials. (Note: this is information from two previous years.)

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Lodge %
<108 Days Relative Maturity						
DEKALB	DKC57-50 VT3	107	127	14.8	58.9	1
DEKALB	DKC52-59 VT3	102	126	14.5	57.3	1
Mid-Atlantic	MA5055GT3	102	120	13.7	60.4	0
Mid-Atlantic	MA8010VT3	101	119	14.3	58.5	3
Mid-Atlantic	MA5001GT3VIP	101	109	14.5	58.1	2
Augusta	A5457	107	109	14.5	58.8	2
Mid-Atlantic	MA8009VT3	100	107	13.7	59.2	0
	Maturity Average		117	14.3	58.6	1
	L.S.D. (0.05)		12	0.5	0.4	2
	C.V.		10	3.7	0.6	127
108-111 Days Relative Maturity						
Channel	211-99VT3P	111	114	14.9	57.7	2
Augusta	A5460GT3000	110	113	15.0	58.6	3
Seed Consultants	SCS 11HR21™	111	112	15.6	56.7	3
Doeblers	RPM® 633HXR™	110	110	15.6	58.5	1
Augusta	A5461GTCBLLA	111	109	14.8	56.8	5
Mid-Atlantic	MA8088VT3	108	109	15.2	56.8	4
T.A. Seeds	TA657-13VP	111	99	14.8	57.7	3
Mid-Atlantic	MA8109VT3P	110	98	14.2	58.1	2
	Maturity Average		108	15.0	57.6	3
	L.S.D. (0.05)		17	0.8	0.9	3
	C.V.		15	4.8	1.3	103
112-115 Days Relative Maturity						
DEKALB	DKC64-69 VT3P	114	131	15.9	56.5	2
Dyna-Gro	57V59	114	130	14.9	58.5	2
Channel	214-14VT3P	114	128	16.0	57.1	2
Mid-Atlantic	MA8129VT3P	112	126	15.5	57.9	1
Seed Consultants	SC 11AGT30™	112	125	15.8	56.5	2
Augusta	A0720CBLL	112	122	15.3	57.3	0
Augusta	A5462GT3000A	112	110	15.7	56.6	3
Seed Consultants	SCS 11HQ38™	112	104	16.0	57.4	4
Mid-Atlantic	MA5160GT	114	100	15.3	57.8	4
T.A. Seeds	TA717-20	114	90	15.6	57.4	5
	Maturity Average		116	15.6	57.3	3
	L.S.D. (0.05)		13	0.7	0.9	2
	C.V.		11	4.2	1.3	94
>115 Days Relative Maturity						
DEKALB	DKC68-05 VT3P	118	128	16.6	56.5	4

Table 9, continued. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 and 2011 - Virginia Tech Trials. (Note: this is information from two previous years.)

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Lodge %
DEKALB	DKC66-96 VT3P	116	123	15.5	57.9	0
Augusta	A6867CBLL	117	116	16.2	58.0	3
	Maturity Average		122	16.1	57.4	2
	L.S.D. (0.05)		23	0.6	1.1	2
	C.V.		16	3.1	1.1	87
	Location Average		115	15.1	57.7	2

[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 under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA9076	105	201	16.6	57.5
Augusta	A2852GT3000A	102	199	16.5	56.8
Mid-Atlantic	MAX8089VT3P	106	196	16.0	56.2
Pioneer	P0210AM-R	102	190	14.9	55.1
Mid-Atlantic	MA5001GT3VIP	98	189	16.6	55.5
Mid-Atlantic	MA8088VT3	106	186	15.4	55.4
Mid-Atlantic	MAX8065VT3P	104	184	15.0	56.0
Augusta	A5457	107	177	16.3	57.1
Channel	207-13VT3P	107	176	16.4	56.7
Mid-Atlantic	MA8096VT3P	107	175	17.1	55.8
T.A. Seeds	TA533-21	103	174	16.4	55.7
Mid-Atlantic	MAX8099VT3P	107	172	17.8	56.2
Augusta	A4557	107	172	16.3	57.6
Mid-Atlantic	MAX5022GT3	100	169	15.2	58.2
Doeblers	RPM® 588AMX™	107	167	16.5	57.5
Mid-Atlantic	MAX5099GTCBLL	107	166	15.9	55.2
Augusta	A2954GT3000A	104	165	16.1	55.7
Augusta	A2854CBLL	104	162	16.2	56.2
Mid-Atlantic	MA5055GT3	102	160	14.9	55.5
T.A. Seeds	TA522-22DP	102	153	14.7	56.0
NK Brand	N45P	101	150	14.8	55.6
Augusta	A5175CB	107	149	17.0	55.2
T.A. Seeds	TA565-20	106	139	16.5	55.9
	Maturity Average		173	16.0	56.2
	L.S.D. (0.05)		35	0.8	1.3
	C.V.		14	3.5	1.6
108-111 Days Relative Maturity					
Mid-Atlantic	MA8111VT3P	109	217	17.9	56.2
Augusta	A5658GTCBLL	108	216	16.2	56.3
Seed Consultants	SCS 11HR02™	109	211	16.2	55.5
NK Brand	N68B 3111 Brand	111	207	17.3	53.0
Doeblers	RPM® 647AM1™	110	203	17.7	57.7
Doeblers	RPM® 609AM1™	108	203	15.6	57.2
Mid-Atlantic	MA8102VT3P	108	203	18.3	55.5
Augusta	A5560VT3	110	201	17.1	54.0
T.A. Seeds	TA647-22DP	111	201	17.0	54.8
Pioneer	P0912HR	109	198	16.7	56.2
T.A. Seeds	TA583-22DP	108	198	15.4	56.3
DEKALB	DKC61-88 VT3P	111	194	16.9	55.4
Pioneer	P1184AM-R	111	193	16.2	57.9
Augusta	A5360	110	193	17.4	54.0

Table 10, continued. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
T.A. Seeds	TA583-28	108	191	17.5	56.8
Mid-Atlantic	MA8127VT3P	111	189	18.2	56.9
Augusta	A5558VT3	108	186	15.9	55.5
Mid-Atlantic	MAX8124VT3P	110	185	17.3	57.0
Dyna-Gro	D51VP32	111	182	17.4	55.6
Mid-Atlantic	MA8109VT3P	108	181	17.0	56.5
Augusta	A0606GTCBLLA	111	181	17.1	54.5
Channel	211-99VT3P	111	181	16.9	56.6
Seed Consultants	SCS 11HR21™	111	180	17.0	56.1
T.A. Seeds	TA617-20	110	179	15.9	56.8
Dyna-Gro	D49VP88	109	174	17.4	56.2
Doeblers	RPM® 633HXR™	110	173	16.8	58.2
T.A. Seeds	TA108-00	108	163	17.4	54.8
DEKALB	DKC60-62 VT3P	110	157	17.0	55.8
	Maturity Average		191	17.0	56.0
	L.S.D. (0.05)		37	1.5	1.4
	C.V.		14	6.1	1.7
112-115 Days Relative Maturity					
DEKALB	DKC63-87 VT2P	113	219	16.8	55.1
Phoenix	6522A4	114	218	19.1	54.2
Dyna-Gro	D54VP81	114	217	19.5	55.7
Channel	214-14VT3P	114	213	16.8	56.6
Augusta	A7664VT3	114	212	19.8	53.6
Seed Consultants	SCS 11HR31™	112	209	18.6	55.4
Pioneer	P1319HR	113	209	19.6	57.1
Augusta	A5565VT3Pro	115	201	18.2	55.9
T.A. Seeds	TA753-22DP	114	197	18.2	56.3
Channel	213-40VT3P	113	196	17.9	55.3
Augusta	A0720GTCBLL	112	196	17.8	54.5
Phoenix	7914A3	115	194	18.2	56.1
Hubner Seed	H5709VT3P	114	193	18.3	55.0
NK Brand	N74R 3000GT Brand	114	193	18.4	54.7
Hubner Seed	EX844VT3P	115	192	17.0	57.2
Augusta	A5362VT3Pro	112	188	17.5	56.1
Augusta	A5262GT	113	187	17.3	54.4
Doeblers	RPM® 688AMX™	113	186	18.0	57.0
Southern States	SS 63-32 GENVT3P	113	184	16.3	56.1
DEKALB	DKC64-69 VT3P	114	180	18.9	55.9
Seed Consultants	SCS 1138AMX™	112	178	17.3	57.7
Pioneer	P1498HR	114	176	18.0	57.2
Hubner Seed	H6644RCSS	112	175	18.2	56.1
DEKALB	DKC62-09 VT3P	112	174	17.5	55.9
Seed Consultants	SCS 11HR63™	115	173	19.0	56.4
Seed Consultants	SCS 11AQ43™	112	173	18.0	53.6
DEKALB	DKC62-97 VT3P	112	171	17.1	55.8
Seed Consultants	SC 11AGT30™	112	166	17.0	54.7
Southern States	SS 62-32 GENVT3P	112	164	17.0	57.3
Seed Consultants	SCS 11HQ42™	113	156	17.4	58.0

Table 10, continued. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
T.A. Seeds	TA765-00	115	152	18.3	57.6
Mid-Atlantic	MA8167VT3P	114	147	17.8	55.8
Augusta	A5363VT3Pro	113	147	17.4	55.7
T.A. Seeds	TA683-22DP	112	145	17.3	56.0
Hubner Seed	H4600RC2P	112	143	16.4	57.7
Southern States	SS 62-33 GENVT3P	112	143	17.2	56.3
Mid-Atlantic	MA5160GTCBLL	114	142	18.1	56.5
	Maturity Average		181	17.9	56.0
	L.S.D. (0.05)		31	1.8	1.4
	C.V.		12	6.8	1.7
>115 Days Relative Maturity					
Dyna-Gro	D57VP51	117	210	17.2	56.6
Phoenix	6542A4	116	206	18.9	53.6
Pioneer	P2088YHR	120	204	19.0	55.2
DEKALB	DKC66-86 VT3P	116	204	17.7	54.4
NK Brand	N78S 3111 Brand	116	201	19.4	54.4
T.A. Seeds	TA780-13V	116	200	19.2	54.9
Doeblers	RPM® 743HXR™	116	198	17.3	57.9
T.A. Seeds	TA785-22DP	119	198	17.1	55.9
Southern States	SS 824 GENVT3P	117	184	18.9	54.8
DEKALB	DKC67-57 VT3P	117	182	17.2	55.7
DEKALB	DKC66-96 VT3P	116	171	17.3	56.0
Augusta	A6867GTCBLLA	117	169	19.2	56.6
Southern States	SS 67-32 GENVT3P	117	168	18.9	57.5
Augusta	A6867CBLL	117	168	19.6	56.5
Southern States	SS 788 GENVT3P	116	156	18.1	57.1
	Maturity Average		188	18.3	55.8
	L.S.D. (0.05)		35	1.1	1.0
	C.V.		13	4.3	1.2
	Location Average				

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

[2] Reported at 15.5% moisture.

Planted April 30 - May 1, 2012. Harvested September 19-20, 2012.

Table 11. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 and 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA8088VT3	106	210	16.8	55.4
Augusta	A2852GT3000A	102	204	16.9	57.0
Mid-Atlantic	MA5001GT3VIP	98	197	17.2	55.8
Augusta	A5457	107	192	17.9	57.0
Augusta	A2954GT3000A	104	184	17.2	56.0
Mid-Atlantic	MA5055GT3	102	177	15.9	56.2
Augusta	A5175CB	107	173	18.0	54.9
T.A. Seeds	TA565-20	106	167	17.3	55.7
	Maturity Average		188	17.1	56.0
	L.S.D. (0.05)		24	1.1	1.1
	C.V.		12	6.2	1.8
108-111 Days Relative Maturity					
Mid-Atlantic	MA8111VT3P	109	225	19.2	55.1
Augusta	A5560VT3	110	217	18.5	54.9
Mid-Atlantic	MA8102VT3P	108	213	18.7	56.5
Seed Consultants	SCS 11HR02™	109	213	18.2	55.3
Mid-Atlantic	MA8127VT3P	111	208	18.1	56.7
Augusta	A0606GTCBLLA	111	206	17.7	54.6
Augusta	A5658GTCBLL	108	205	17.6	56.9
Mid-Atlantic	MA8109VT3P	108	203	17.6	56.7
Channel	211-99VT3P	111	200	16.7	56.4
DEKALB	DKC61-88 VT3P	111	199	18.4	54.9
Doeblers	RPM® 633HXR™	110	192	18.0	58.5
Seed Consultants	SCS 11HR21™	111	190	20.5	56.2
	Maturity Average		206	18.3	56.1
	L.S.D. (0.05)		27	2.2	1.6
	C.V.		13	11.9	2.7
112-115 Days Relative Maturity					
DEKALB	DKC63-87 VT2P	113	239	18.2	55.0
Dyna-Gro	D54VP81	114	223	20.1	56.9
Channel	214-14VT3P	114	219	17.0	57.2
Channel	213-40VT3P	113	216	18.5	55.1
Seed Consultants	SCS 11HR31™	112	213	18.7	55.8
NK Brand	N74R 3000GT Brand	114	212	18.6	54.9
Seed Consultants	SC 11AGT30™	112	184	18.8	54.9
DEKALB	DKC62-09 VT3P	112	170	17.4	57.1

Table 11, continued. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 and 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
DEKALB	DKC64-69 VT3P	114	169	20.9	56.4
Mid-Atlantic	MA8167VT3P	114	163	18.3	56.5
	Maturity Average		201	18.7	56.0
	L.S.D. (0.05)		24	1.9	1.5
	C.V.		12	10.2	2.6
>115 Days Relative Maturity					
T.A. Seeds	TA780-13V	116	216	19.7	55.2
DEKALB	DKC67-57 VT3P	117	200	18.0	56.2
DEKALB	DKC66-96 VT3P	116	200	18.1	56.5
Augusta	A6867CBLL	117	200	19.8	56.8
Augusta	A6867GTCBLLA	117	189	20.1	56.7
Southern States	SS 788 GENVT3P	116	177	19.2	56.8
	Maturity Average		197	19.1	56.4
	L.S.D. (0.05)		27	1.0	1.4
	C.V.		13	5.2	2.3
	Location Average		217	19.5	55.7

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

[2] Reported at 15.5% moisture.

Table 12. Three-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2009-2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic	MA8088VT3	106	210	16.0	56.9
Augusta	A5457	107	203	16.8	58.0
Mid-Atlantic	MA5001GT3VIP	98	198	16.3	57.3
Mid-Atlantic	MA5055GT3	102	191	15.3	57.6
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
108-111 Days Relative Maturity					
Seed Consultants	SCS 11HR21™	111	210	18.9	57.1
Channel	211-99VT3P	111	209	16.3	57.1
Mid-Atlantic	MA8109VT3P	108	207	16.7	57.5
Doeblers	RPM® 633HXR™	110	201	17.1	58.7
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
112-115 Days Relative Maturity					
Channel	214-14VT3P	114	224	16.7	57.5
Seed Consultants	SC 11AGT30™	112	196	17.6	56.3
DEKALB	DKC64-69 VT3P	114	195	19.2	57.0
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	218	18.5	57.2
DEKALB	DKC66-96 VT3P	116	209	17.4	57.1
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
	Location Average				

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

[2] Reported at 15.5% moisture.

Table 13. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Days to Silk	Days to Tassel
<108 Days Relative Maturity							
Southern States	SS 54-32 GENVT3P	104	173	14.1	57.7	64	63
Doeblers	RPM® 588AMX™	107	170	15.6	58.0	65	66
T.A. Seeds	TA533-21	103	161	14.8	55.6	65	65
T.A. Seeds	TA522-22DP	102	153	14.0	56.7	64	64
T.A. Seeds	TA565-20	106	142	14.8	55.9	66	66
	Maturity Average		160	14.7	56.8	65	65
	L.S.D. (0.05)		25	0.7	2.6	2	2
	C.V.		10	3.2	3.0	2	2
108-111 Days Relative Maturity							
Doeblers	RPM® 633HXR™	110	201	16.3	59.7	66	65
Pioneer	P0912HR	109	197	15.0	56.8	67	66
T.A. Seeds	TA583-22DP	108	195	14.1	56.9	64	64
T.A. Seeds	TA647-22DP	111	191	14.2	57.0	65	64
Augusta	A0606GTCBLLA	111	188	16.9	55.2	66	66
T.A. Seeds	TA583-28	108	184	14.2	55.3	64	64
T.A. Seeds	TA617-20	110	183	15.6	56.1	66	66
Seed Consultants	SCS 11HR21™	111	181	15.4	56.9	67	67
Pioneer	P1184AM-R	111	180	15.1	58.2	65	63
Doeblers	RPM® 647AM1™	110	178	16.7	58.4	65	65
Seed Consultants	SCS 11HR02™	109	174	15.7	56.3	65	65
Doeblers	RPM® 609AM1™	108	173	14.4	58.5	65	66
Dyna-Gro	D49VP88	109	172	14.6	57.1	64	63
Augusta	A5560VT3	110	171	14.3	56.4	64	63
Dyna-Gro	D51VP32	111	171	15.4	56.9	65	65
T.A. Seeds	TA108-00	108	138	15.2	55.8	68	68
	Maturity Average		180	15.2	57.0	65	65
	L.S.D. (0.05)		24	0.7	2.0	2	2
	C.V.		9	3.0	2.4	2	3
112-115 Days Relative Maturity							
Seed Consultants	SCS 11HR31™	112	217	16.5	58.0	67	66
Hubner Seed	EX844VT3P	115	215	16.0	57.7	65	65
Seed Consultants	SCS 11AQ43™	112	207	17.4	54.5	66	66
T.A. Seeds	TA683-22DP	112	197	15.3	56.7	64	63
Dyna-Gro	D54VP81	114	195	14.7	58.1	65	65
Seed Consultants	SC 11AGT30™	112	194	17.2	54.5	65	65
Hubner Seed	H5709VT3P	114	192	16.0	55.4	65	65
T.A. Seeds	TA753-22DP	114	191	14.9	58.2	65	64
Pioneer	P1498HR	114	189	16.2	57.3	66	67
Seed Consultants	SCS 1138AMX™	112	187	17.4	57.5	69	68
Southern States	SS 62-32 GENVT3P	112	186	14.7	56.2	62	61
Pioneer	P1319HR	113	185	16.2	59.3	67	68
T.A. Seeds	TA765-00	115	182	17.9	56.8	69	68

Table 13, continued. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Days to Silk	Days to Tassel
Seed Consultants	SCS 11HR63™	115	182	17.4	56.1	69	69
Hubner Seed	H6644RCSS	112	180	16.6	56.4	66	65
Hubner Seed	H4600RC2P	112	180	16.7	56.8	65	64
Seed Consultants	SCS 11HQ42™	113	175	16.5	59.2	68	68
Doeblers	RPM® 688AMX™	113	159	16.7	57.7	66	65
	Maturity Average		189	16.4	57.0	66	66
	L.S.D. (0.05)		25	1.0	1.9	2	3
	C.V.		9	4.3	2.3	2	3
>115 Days Relative Maturity							
T.A. Seeds	TA785-22DP	119	214	16.1	56.4	67	67
Pioneer	P2088YHR	120	205	17.2	54.8	67	67
Seed Consultants	SCS 11HQ70™	116	203	17.7	57.0	69	68
Dyna-Gro	D57VP51	117	191	16.4	56.8	66	66
Doeblers	RPM® 743HXR™	116	191	17.0	58.8	70	70
Augusta	A6867CBLL	117	186	19.5	55.9	66	67
Seed Consultants	SC 11GT72™	117	175	16.7	55.4	67	67
T.A. Seeds	TA780-13V	116	137	18.4	56.1	64	67
	Maturity Average		188	17.4	56.4	67	67
	L.S.D. (0.05)		34	1.3	1.5	6	3
	C.V.		10	4.2	1.6	6	3
	Location Average		183	15.9	56.9	66	66

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

[2] Reported at 15.5% moisture.

Planted May 12, 2012. Harvested October 25, 2012.

Table 14. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2011 and 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
T.A. Seeds	TA565-20	106	134	16.9	55.2
108-111 Days Relative Maturity					
Doeblers	RPM 633HXR	110	174	18.8	58.7
Augusta	A0606GTCBLLA	111	173	20.1	53.5
Seed Consultants	SCS 11HR02	109	163	17.5	55.9
Seed Consultants	SCS 11HR21	111	162	18.7	56.1
Augusta	A5560VT3	110	160	17.7	56.1
	Maturity Average		166	18.6	56.1
	L.S.D. (0.05)		17	0.9	1.4
	C.V.		9	4.4	2.3
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HR31	112	195	19.8	57.0
Seed Consultants	SC 11AGT30	112	174	20.4	53.3
Dyna-Gro	D54VP81	114	170	18.7	57.0
Seed Consultants	SCS 11HR63	115	163	21.6	54.5
	Maturity Average		176	20.1	55.5
	L.S.D. (0.05)		30	0.9	1.3
	C.V.		15	4.1	2.0
>115 Days Relative Maturity					
Seed Consultants	SCS 11HQ70	116	185	21.4	55.4
Augusta	A6867CBLL	117	177	22.6	54.9
T.A. Seeds	TA780-13V	116	149	23.8	52.9
Seed Consultants	SC 11GT72	117	148	21.5	54.5
	Maturity Average		165	22.3	54.4
	L.S.D. (0.05)		12	1.4	0.8
	C.V.		6	5.3	1.2
	Location Average		195	14.7	58.1

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

[2] Reported at 15.5% moisture.

Table 15. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2010-2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	192	17.7	58.6
Seed Consultants	SCS 11HR21™	111	171	17.7	56.8
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
112-115 Days Relative Maturity					
Seed Consultants	SC 11AGT30™	112	184	19.4	54.6
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	187	20.8	55.4
	Location Average				

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

[2] Reported at 15.5% moisture.

Table 16. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Days to Silk
<108 Days Relative Maturity						
T.A. Seeds	TA533-21	103	128	17.9	53.5	54
Pioneer	P0210AM-R	102	128	16.3	51.5	52
Augusta	A2954GT3000A	104	122	18.6	54.3	54
T.A. Seeds	TA565-20	106	120	17.9	51.3	51
Southern States	SS 54-32 GENVT3P	104	115	17.2	56.7	57
Doeblers	RPM® 588AMX™	107	112	18.6	55.3	55
T.A. Seeds	TA522-22DP	102	93	17.1	49.3	49
	Maturity Average		117	17.7	53.1	53
	L.S.D. (0.05)		33	1.3	3.4	3
	C.V.		15	3.9	3.3	3
108-111 Days Relative Maturity						
T.A. Seeds	TA617-20	110	158	19.7	53.3	53
T.A. Seeds	TA583-22DP	108	146	17.6	53.7	54
Pioneer	P0912HR	109	145	19.0	54.0	54
Doeblers	RPM® 647AM1™	110	142	19.4	55.3	55
Doeblers	RPM® 633HXR™	110	141	20.5	56.3	56
Pioneer	P1184AM-R	111	137	18.6	54.8	55
Dyna-Gro	D51VP32	111	136	18.6	54.0	54
T.A. Seeds	TA647-22DP	111	135	18.6	53.3	53
Augusta	A5558VT3	108	132	18.9	54.0	54
DEKALB	DKC61-88 VT3P	111	129	19.1	52.0	52
Augusta	A5560VT3	110	127	19.6	53.0	53
Augusta	A5658GTCBLL	108	125	18.1	53.5	54
Doeblers	RPM® 609AM1™	108	121	17.5	54.0	54
T.A. Seeds	TA583-28	108	120	17.5	53.3	53
T.A. Seeds	TA108-00	108	120	21.4	52.3	52
Channel	211-99VT3P	111	112	19.8	51.8	52
Dyna-Gro	D49VP88	109	109	19.5	52.8	53
DEKALB	DKC60-62 VT3P	110	100	18.3	55.0	55
	Maturity Average		130	19.0	53.7	54
	L.S.D. (0.05)		25	2.0	2.5	3
	C.V.		12	6.7	2.9	3
112-115 Days Relative Maturity						
Channel	213-40VT3P	113	162	19.8	53.3	53
T.A. Seeds	TA683-22DP	112	157	18.9	57.0	57
Pioneer	P1498HR	114	152	19.3	55.5	56
Hubner Seed	H4600RC2P	112	151	19.7	54.8	55
Channel	214-14VT3P	114	148	19.3	55.8	56
Channel	212-09STX	112	145	20.7	52.8	53
DEKALB	DKC64-69 VT3P	114	143	19.7	55.3	55
T.A. Seeds	TA765-00	115	143	20.3	54.3	54
Seed Consultants	SCS 11AQ43™	112	143	22.0	51.5	52
Southern States	SS 63-32 GENVT3P	113	139	19.5	54.0	54
Seed Consultants	SCS 11HR31™	112	138	22.4	53.8	54
Hubner Seed	EX844VT3P	115	137	18.5	53.8	54

Table 16, continued. Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Test Wt. lb/bu	Days to Silk
T.A. Seeds	TA753-22DP	114	134	19.8	54.8	55
Hubner Seed	H6644RCSS	112	133	19.7	53.8	54
DEKALB	DKC62-09 VT3P	112	133	18.7	55.0	55
Pioneer	P1319HR	113	130	20.1	54.5	55
Dyna-Gro	D54VP81	114	129	20.0	52.7	53
Southern States	SS 62-33 GENVT3P	112	128	20.5	54.7	55
DEKALB	DKC62-97 VT3P	112	124	19.6	54.3	54
Seed Consultants	SC 11AGT30™	112	123	21.0	51.5	52
Channel	215-52VT3P	115	121	21.5	54.8	55
Seed Consultants	SCS 11HR63™	115	119	20.0	54.0	54
Southern States	SS 62-32 GENVT3P	112	119	19.1	54.3	54
DEKALB	DKC63-87 VT2P	113	117	19.9	51.0	51
Hubner Seed	H5709VT3P	114	113	20.4	51.5	52
Seed Consultants	SCS 1138AMX™	112	111	18.9	54.0	54
Seed Consultants	SCS 11HQ42™	113	105	19.5	54.7	55
Doeblers	RPM® 688AMX™	113	96	18.7	56.3	56
	Maturity Average		132	19.9	54.0	54
	L.S.D. (0.05)		28	1.5	2.8	3
	C.V.		14	5.0	3.4	3
>115 Days Relative Maturity						
Southern States	SS 824 GENVT3P	117	158	21.0	54.3	54
Doeblers	RPM® 743HXR™	116	157	19.3	54.0	54
T.A. Seeds	TA785-22DP	119	153	20.9	55.3	55
Dyna-Gro	D57VP51	117	153	19.8	55.5	56
Pioneer	P2088YHR	120	152	21.6	52.3	52
DEKALB	DKC67-57 VT3P	117	145	20.0	55.5	56
DEKALB	DKC66-96 VT3P	116	142	20.7	53.5	54
Southern States	SS 67-32 GENVT3P	117	142	21.4	54.3	54
DEKALB	DKC68-05 VT3P	118	139	22.1	52.3	52
DEKALB	DKC66-86 VT3P	116	137	21.3	53.0	53
T.A. Seeds	TA780-13V	116	136	23.1	52.8	53
Augusta	A6867CBLL	117	131	22.5	54.8	55
Channel	217-08VT3P	117	129	21.5	51.3	51
Southern States	SS 788 GENVT3P	116	129	20.1	54.3	54
Seed Consultants	SC 11GT72™	117	119	20.8	55.3	55
Seed Consultants	SCS 11HQ70™	116	114	19.9	54.8	55
Augusta	A6867GTCBLLA	117	111	22.8	54.3	54
	Maturity Average		138	21.1	54.0	54
	L.S.D. (0.05)		29	1.3	2.8	3
	C.V.		14	4.1	3.5	4
	Location Average		132	19.8	53.9	54

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

[2] Reported at 15.5% moisture.

Planted May 22, 2012. Harvested October 11, 2012.

Table 17. Two-Year Average Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA in 2011 and 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Days to Silk
<108 Days Relative Maturity					
T.A. Seeds	TA565-20	106	92	16.3	51.3
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	120	18.5	56.3
Augusta	A5560VT3	110	109	17.4	53.0
Augusta	A5658GTCBLL	108	107	16.5	53.5
Channel	211-99VT3P	111	97	17.6	51.8
	Maturity Average		108	17.5	53.6
	L.S.D. (0.05)		35	1.3	3.3
	C.V.		28	6.3	3.1
112-115 Days Relative Maturity					
Channel	213-40VT3P	113	141	18.3	53.3
Channel	214-14VT3P	114	114	18.5	55.8
DEKALB	DKC64-69 VT3P	114	112	18.2	55.3
DEKALB	DKC62-09 VT3P	112	107	17.2	55.0
Dyna-Gro	D54VP81	114	107	17.9	52.7
DEKALB	DKC63-87 VT2P	113	107	17.8	51.0
Seed Consultants	SC 11AGT30™	112	106	18.8	51.5
Seed Consultants	SCS 11HR31™	112	104	19.9	53.8
Seed Consultants	SCS 11HR63™	115	97	18.7	54.0
	Maturity Average		111	18.3	53.6
	L.S.D. (0.05)		19	0.9	2.6
	C.V.		16	4.6	3.2
>115 Days Relative Maturity					
Southern States	SS 788 GENVT3P	116	116	18.9	54.3
Augusta	A6867GTCBLLA	117	115	21.7	54.3
Channel	217-08VT3P	117	113	19.7	51.3
Augusta	A6867CBLL	117	110	21.9	54.8
Seed Consultants	SCS 11HQ70™	116	107	19.5	54.8
Seed Consultants	SC 11GT72™	117	104	20.5	55.3
	Maturity Average		111	20.4	54.1
	L.S.D. (0.05)		18	0.8	2.4
	C.V.		14	3.6	2.7
	Location Average		109	18.7	53.7

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

[2] Reported at 15.5% moisture.

Table 18. Three-Year Average Corn Yields at the Northern Piedmont Center at ORANGE, VIRGINIA, 2010-2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[1]	Yield[2] bu/A	Moist %	Days to Silk
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	101	16.6	28.1
Channel	211-99VT3P	111	78	16.0	25.9
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
112-115 Days Relative Maturity					
Channel	214-14VT3P	114	91	16.6	27.9
Seed Consultants	SC 11AGT30™	112	88	17.0	25.8
	Maturity Average				
	L.S.D. (0.05)				
	C.V.				
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	92	19.1	27.4
	Location Average				

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

[2] Reported at 15.5% moisture.

Table 19. Corn Yields at the Heatwole Farm in AUGUSTA COUNTY, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
T.A. Seeds	TA533-21	103	220	20.3	54.0
Pioneer	P0210AM-R	102	212	18.6	55.0
Doeblers	RPM® 588AMX™	107	196	22.4	55.3
T.A. Seeds	TA565-20	106	187	19.6	54.5
T.A. Seeds	TA522-22DP	102	187	17.9	57.0
Southern States	SS 54-32 GENVT3P	104	176	17.5	57.3
Garst	85V88	107	170	18.1	54.5
	Maturity Average		192	19.2	55.4
	L.S.D. (0.05)		24	1.5	2.3
	C.V.		8	4.8	2.6
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	238	21.0	58.8
Garst	84A40	110	237	22.3	53.7
DEKALB	DKC61-88 VT3P	111	235	20.7	53.5
Seed Consultants	SCS 11HR21™	111	230	22.7	55.0
NK Brand	N68A 3000GT Brand	111	227	22.9	54.0
Pioneer	P1184AM-R	111	225	22.1	56.8
Channel	211-99VT3P	111	217	20.7	55.3
Dyna-Gro	D51VP32	111	215	25.3	53.8
Pioneer	P0912HR	109	212	20.6	54.3
T.A. Seeds	TA647-22DP	111	209	21.4	55.5
NK Brand	N63R	109	206	21.2	56.8
Doeblers	RPM® 647AM1™	110	204	22.1	56.3
Doeblers	RPM® 609AM1™	108	201	19.5	56.3
T.A. Seeds	TA583-22DP	108	199	18.6	55.7
T.A. Seeds	TA583-28	108	198	19.1	55.3
Seed Consultants	SCS 11HR02™	109	196	22.4	54.8
T.A. Seeds	TA108-00	108	190	21.3	53.8
T.A. Seeds	TA617-20	110	189	20.9	54.3
Dyna-Gro	D49VP88	109	188	20.7	55.3
DEKALB	DKC60-62 VT3P	110	186	20.0	56.0
	Maturity Average		210	21.3	55.2
	L.S.D. (0.05)		24	2.6	1.7
	C.V.		8	8.3	2.1
112-115 Days Relative Maturity					
Seed Consultants	SCS 1138AMX™	112	262	26.1	55.3
Seed Consultants	SCS 11HR63™	115	256	25.4	53.5
Seed Consultants	SCS 11HR31™	112	256	26.2	55.0
BioGene	BG 831V2	113	253	22.4	54.0
T.A. Seeds	TA765-00	115	242	26.2	54.8
Garst	83Z99	115	241	27.7	54.3
NK Brand	N74G 3000GT Brand	114	237	25.1	52.5

Table 19, continued. Corn Yields at the Heatwole Farm in AUGUSTA COUNTY, VIRGINIA in 2012 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
DEKALB	DKC63-87 VT2P	113	235	24.2	53.8
Pioneer	P1319HR	113	232	24.7	55.3
Seed Consultants	SC 11AGT30™	112	232	24.3	51.5
Doeblers	RPM® 688AMX™	113	229	23.3	56.5
Hubner Seed	EX844VT3P	115	229	24.6	54.3
Pioneer	P1498HR	114	228	23.0	55.0
BioGene	BG 841V2	114	227	24.2	51.7
Seed Consultants	SCS 11AQ43™	112	226	26.5	51.8
Seed Consultants	SCS 11HQ42™	113	225	23.9	55.0
Channel	214-14VT3P	114	224	24.0	55.3
DEKALB	DKC62-09 VT3P	112	222	20.6	54.5
Channel	215-52VT3P	115	222	22.7	54.8
T.A. Seeds	TA683-22DP	112	221	24.5	53.3
Hubner Seed	H5709VT3P	114	217	25.1	53.3
Channel	212-09STX	112	215	27.0	53.5
Garst	83R38	114	215	22.9	53.3
Hubner Seed	H6644RCSS	112	211	24.8	53.5
DEKALB	DKC64-69 VT3P	114	206	21.4	54.5
Dyna-Gro	D54VP81	114	206	20.7	55.5
Southern States	SS 62-32 GENVT3P	112	205	21.8	54.8
Hubner Seed	H4600RC2P	112	203	25.9	52.0
BioGene	BG 850V3	114	197	20.7	55.7
T.A. Seeds	TA753-22DP	114	197	20.3	56.0
DEKALB	DKC62-97 VT3P	112	195	22.5	55.0
	Maturity Average		225	24.0	54.2
	L.S.D. (0.05)		27	2.4	1.7
	C.V.		8	6.7	2.2
>115 Days Relative Maturity					
Doeblers	RPM® 743HXR™	116	252	26.0	55.0
Pioneer	P2088YHR	120	244	28.1	55.5
Seed Consultants	SCS 11HQ70™	116	235	28.6	55.0
Augusta	A6867GTCBLLA	117	231	28.4	53.5
Channel	217-08VT3P	117	224	26.1	52.3
Dyna-Gro	D57VP51	117	223	23.9	54.0
T.A. Seeds	TA785-22DP	119	215	24.3	54.5
Seed Consultants	SC 11GT72™	117	215	29.6	54.0
Augusta	A6867CBLL	117	212	28.5	55.5
T.A. Seeds	TA780-13V	116	206	26.9	53.3
	Maturity Average		226	27.0	54.3
	L.S.D. (0.05)		28	4.1	2.1
	C.V.		8	9.4	2.4
	Location Average		217	23.2	54.6

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

[2] Reported at 15.5% moisture.

Planted May 21, 2012. Harvested October 10, 2012.

Table 20. Two-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA in 2010 and 2012 - Virginia Tech Trials. (Note: Two unconsecutive years.)

Brand/Company	Hybrid	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity					
Doeblers	RPM® 633HXR™	110	205	18.0	58.7
Seed Consultants	SCS 11HR21™	111	198	18.7	57.1
Channel	211-99VT3P	111	189	18.0	56.7
	Maturity Average		197	18.2	57.5
	L.S.D. (0.05)		12	1.0	1.1
	C.V.		5	4.8	1.7
112-115 Days Relative Maturity					
Seed Consultants	SC 11AGT30™	112	202	20.0	54.5
Garst	83R38	114	195	19.6	55.3
DEKALB	DKC64-69 VT3P	114	189	18.3	56.4
Channel	214-14VT3P	114	188	19.6	56.8
	Maturity Average		194	19.4	55.7
	L.S.D. (0.05)		23	0.8	0.9
	C.V.		11	3.8	1.6
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	190	22.2	56.4
T.A. Seeds	TA780-13V	116	171	20.8	55.5
	Maturity Average		181	21.5	55.9
	L.S.D. (0.05)		14	1.7	1.2
	C.V.		6	6.0	1.6
	Location Average		189	19.1	55.5

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

[2] Reported at 15.5% moisture.