

VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2011

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Companies Participating in the 2011 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Bio Gene	Bio Gene	5477 Tri-County Hwy, Sardinia, OH 45171
Crop Production Services	Dyna-Gro	P.O. Box 409, St. Stephens Church, VA 23148
Doeblers	Doeblers and RPM	202 Tiadaghton Ave., Jersey Shore, PA 17740
Mid-Atlantic Seeds, Inc	Mid-Atlantic	204 St Charles Way #163, York, PA 17404
Monsanto	Channel Bio, LLC	612 East Dunlap St, Kentland, IN 47951
Monsanto	DEKALB	800 N Lindbergh Blvd, St Louis, MO 63167
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	39 Seeds Lane, Jersey Shore, PA 17740

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Background Information

Performance trials of commercial corn hybrids were conducted at six locations in Virginia in 2011. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All locations except Orange were planted with a Wintersteiger PlotKing 2600. Orange was hand-planted. All locations except Orange were harvested with a Massey-Ferguson 8XP plot combine. Half of the plots at Orange were harvested with the combine; the other half were hand-harvested. The Shenandoah Valley site was abandoned due to an accidental spraying with glyphosate. 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.

2011 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm

Planted: May 31, 2011
Harvested: October 21, 2011
Pesticide: 1 qt atrazine + 2 qt Gly-4 Plus® + 1 oz Python® + 1 qt Princep® + 2 qt Bicep® April 21, 2011 pre-plant incorporated; 5 lb Force 3G® at planting; 0.75 qt atrazine + 3 oz Laudis® + MSO oil 1% + 1.5 qt UAN June 30, 2011.
Fertilizer: 30-60-60 pre-plant incorporated May 2, 2011; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 50 lb N using UAN June 29, 2011.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Hayter
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 18, 2011
Harvested: August 31, 2011
Pesticide: 5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 4 qt atrazine 4L April 19, 2011.
Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 14, 2011; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 lb N top-dressed using 34-0-0 May 19, 2011.
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 19, 2011
Harvested: August 23-24, 2011
Pesticide: 2 qt Bicep II® pre-plant incorporated; 5 lb Force 3G® at planting.
Fertilizer: 1000 lb lime February 23, 2011; 300 lb 8-15-36 March 23, 2011; 60 units N using 24-0-0-3 April 18, 2011, 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 315 lb 38-0-0 June 6, 2011.
Irrigation: 1.3" June 22 1.3" June 23
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: April 23, 2011
Harvested: September 30, 2011
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® pre-plant incorporated + 5 lb Force 3G® at planting.
Fertilizer: 60-30-60 pre-plant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 80 lb N + 10 lb S side-dressed May 24, 2011.

Plot Size: 2 rows 25' x 30" 4 replications

Soil Type: State fine sandy loam
Cooperator: Bruce Beahm

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

Planted: April 21-22, 2011
Harvested: September 20 – October 5, 2011
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® pre-plant incorporated + 5 lb Force 3G® at planting.
Fertilizer: 60-50-120 pre-plant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 90 lb N + 11 lb S fertigated June 2, 2011; 60 lb N + 8 lb S fertigated June 21, 2011.
Irrigation:
0.2" June 2 1.0" June 26
0.5" June 3 1.0" July 9
1.0" June 7 1.0" July 15
1.0" June 13 1.0" July 27
0.7" June 17 0.7" August 9
0.2" June 21
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 12 - 25, 2011
Harvested: October 26 - November 2, 2011
Pesticide: 3 qt Lumax® + 1 qt atrazine pre-plant incorporated May 2, 2011.
Fertilizer: 100-52-0 pre-plant incorporated May 2, 2011; 100 lb N side-dressed June 8, 2011.
Plot Size: 1 row 30' x 30" 4 replications
Soil Type: Davidson silty clay loam
Cooperators: Steve Gulick and Alvin Hood

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

Planted: May 6, 2011
Harvested: abandoned after accidental spraying with glyphosate
Pesticide: Burndown of rye cover with 2.5 qt gramoxone April 28, 2011; 5 lb Force 3G® at planting; 1.5 qt Aatrex® (atrazine) + 1.5 qt Princep® + 5.8 oz Asana® with fertilizer May 11, 2011; 1.5 qt Prowl® + 0.5 oz Profine (generic Permit) + 1.25 qt Touchdown Total® (glyphosate).
Fertilizer: Preplant broadcast 4 tons dairy heifer bed pack 55-91-27; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 50 lb K + 20 lb S + chemicals May 11, 2011; 0.5 lb B + chemicals June 8, 2011.
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 2011 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group¹	DTM²	OBS³
Augusta	A2340GT3000	6	90	3
Augusta	A2847GT3000	6	97	3
Augusta	A2750GT3000	6	100	3
Augusta	A2852GT3000A	6	102	3
Augusta	A2954GT3000A	6	104	3
Augusta	A2855GT3111	8	105	6
Augusta	A5175CBP	15	107	3
Augusta	A5457		107	5
Augusta	A5658GTCBLL	2	108	5
Augusta	A5460GT3000	6	110	3
Augusta	A5560VT3	19	110	6
Augusta	A0606GTCBLLA	2	111	4
Augusta	A5461GTCBLLA	2	111	5
Augusta	A5462GT3000A	6	112	6
Augusta	A0720CBLL	1	112	6
Augusta	A6164GT3000	6	114	3
Augusta	A7664VT3P	19	114	3
Augusta	A5464GTCBLLC	2	114	6
Augusta	A6465GTCBLL	2	115	6
Augusta	A0715HXT	11	115	7
Augusta	A6166GT3000A	6	116	3
Augusta	A6166CBLLC	1	116	3
Augusta	A6867CBLL	1	117	7
Augusta	A6867GTCBLLA	2	117	7
Augusta	A7669GTCBLL	2	119	3
Bio Gene	BG 830V3	21	114	2
Bio Gene	BG 850V3	21	115	2
Bio Gene	BG 870V3	21	117	2
Channel Bio	208-72VT3P	21	107	2
Channel Bio	211-99VT3P	21	111	3
Channel Bio	212-08VT3P	21	112	4
Channel Bio	213-40VT3P	21	113	4
Channel Bio	214-14VT3P	21	114	4
Channel Bio	216-96VT3P	21	116	3
Channel Bio	217-08VT3P	21	117	3
DEKALB	DKC52-59 VT3	19	102	4
DEKALB	DKC53-45 GENSS	22	103	4
DEKALB	DKC57-50 VT3	19	107	4
DEKALB	DKC61-88 VT3P	21	111	5
DEKALB	DKC62-09 VT3P	21	112	5
DEKALB	DKC62-58 VT2P	20	112	5
DEKALB	DKC63-25 VT2P	20	113	5
DEKALB	DKC63-87 VT2P	20	113	5
DEKALB	DKC64-69 VT3P	21	114	6
DEKALB	DKC65-19 VT3P	21	115	4
DEKALB	DKC66-96 VT3P	21	116	3
DEKALB	DKC67-57 VT3P	21	117	3
DEKALB	DKC68-05 VT3P	21	118	3

Table 1, continued. List of Hybrids in the 2011 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group¹	DTM²	OBS³
Doeblers	674GRQ	6	112	7
Dyna-Gro	D53VP61	21	113	7
Dyna-Gro	57V59	19	114	7
Dyna-Gro	D54VP81	21	114	7
Dyna-Gro	55VC21	20	115	7
Garst	83R38-3000GT Brand	6	113	2
Garst	83Z99-3000GT Brand	6	115	2
Mid-Atlantic Seeds	MA8009VT3	19	100	4
Mid-Atlantic Seeds	MA5001GT3VIP	8	101	4
Mid-Atlantic Seeds	MA8010VT3	19	101	4
Mid-Atlantic Seeds	MA5055GT3	6	102	4
Mid-Atlantic Seeds	MA8041RR		104	4
Mid-Atlantic Seeds	MA8052VT3P	21	105	4
Mid-Atlantic Seeds	MA8081VT2P	20	108	4
Mid-Atlantic Seeds	MA8088VT3	19	108	4
Mid-Atlantic Seeds	MA5091GT3VIP	8	109	4
Mid-Atlantic Seeds	MA5100GT3VIP	8	109	4
Mid-Atlantic Seeds	MA8109VT3P	21	110	4
Mid-Atlantic Seeds	MA8102VT3P	21	110	4
Mid-Atlantic Seeds	MA8111VT3P	21	111	4
Mid-Atlantic Seeds	MA8129VT3P	21	112	4
Mid-Atlantic Seeds	MA5120GT3VIP	8	112	4
Mid-Atlantic Seeds	MA8127VT3P	21	112	4
Mid-Atlantic Seeds	MA5122GT3VIP	8	112	4
Mid-Atlantic Seeds	MA5160GT	4	114	4
Mid-Atlantic Seeds	MA8153VT3P	21	115	4
Mid-Atlantic Seeds	MA5151GTCBLL	2	115	4
Mid-Atlantic Seeds	MA8167VT3P	21	116	4
NK Brand	N72A-3111 Brand	8	112	3
NK Brand	N68A-3000GT Brand	6	112	5
NK Brand	N71B-GT/CB/LL Brand	2	113	2
NK Brand	N72F-3000GT Brand	6	113	2
NK Brand	N74R-3000GT Brand	6	114	3
NK Brand	N79Z-3000GT Brand	6	115	2
Pioneer	P0210HR	9	102	7
Pioneer	P1184HR	9	111	7
Pioneer	P1615HR	9	116	7
Pioneer	31G71 (HX1,LL,RR2)	9	119	7
Pioneer	2088HR	9	120	7
RPM	RPM 633HXR	9	110	7
RPM	RPM 694HRQ	11	114	7
RPM	RPM 723HXR	9	116	7
Seed Consultants	SCS 11HR02™	9	109	4
Seed Consultants	SCS 11HR12™	9	110	4
Seed Consultants	SCS 11HR21™	9	111	4
Seed Consultants	SC 11GT22™	GT Only	111	4
Seed Consultants	SCS 11HQ38™	11	112	5

Table 1, continued. List of Hybrids in the 2011 VA Corn Hybrid & Management Trials

Brand	Hybrid	Trait Group¹	DTM²	OBS³
Seed Consultants	SC 11AGT30™	2	112	5
Seed Consultants	SCS 11HQ31™	11	112	5
Seed Consultants	SCS 11HR31™	9	112	5
Seed Consultants	SC 11AXX52™	5	114	5
Seed Consultants	SCS 11HQ60™	11	115	5
Seed Consultants	SCS 11HR63™	9	116	3
Seed Consultants	SCS 11HQ70™	11	116	3
Seed Consultants	SC 11AGT72™	2	117	3
Southern States	SS 684 GENSS	22	112	7
Southern States	SS 755 GENVT3PRO	21	115	4
Southern States	SS 788 GENVT3PRO	21	116	4
Southern States	SS 818 GENVT3PRO	21	118	4
Southern States	SS 851 GENVT3PRO	21	119	4
T.A. Seeds	TA565-20	6	106	7
T.A. Seeds	TA587-22DP	20	108	5
T.A. Seeds	TA688-31	8	111	5
T.A. Seeds	TA659-28	22	111	5
T.A. Seeds	TA657-13VP	21	111	7
T.A. Seeds	TA720-20	6	113	7
T.A. Seeds	TA717-20	6	114	5
T.A. Seeds	TA775-13V	19	115	5
T.A. Seeds	TA778-28	22	115	5
T.A. Seeds	TA780-13V	19	116	5
T.A. Seeds	TA789-20	6	117	7

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.

Shaded hybrids indicate hybrids entered in less than 4 locations. Hybrids are sorted by Brand then DTM.

Table 2. Bt Corn Insect Traits			
Number	Trait Group	Insects <i>controlled</i> or <i>suppressed</i>	Herbicide tolerance
Agrisure (Syngenta + Mycogen/DowAgro)			
1	Agrisure CB/LL	ECB CEW, FAW, SB	LL
2	Agrisure GT/CB/LL	ECB CEW, FAW, SB	GT, LL
3	Agrisure RW	CRW	--
4	Agrisure GT/RW	CRW	GT
5	Agrisure CB/LL/RW	CRW, ECB CEW, FAW, SB	LL
6	Agrisure 3000GT	CRW, ECB CEW, FAW, SB	GT, LL
7	Agrisure Viptera 3110	BCW, CEW, ECB, FAW, WBC SB	GT, LL
8	Agrisure Viptera 3111	BCW, CEW, CRW, ECB, FAW, WBC SB	GT, LL
Herculex (Mycogen/DowAgro)			
9	Herculex 1	BCW, ECB, FAW, WBC CEW	LL, RR2
10	Herculex RW	CRW	LL
11	Herculex XTRA	BCW, CRW, ECB, FAW, WBC CEW	LL RR2(some)
Optimum (DuPont/Pioneer)			
12	Optimum AcreMax1	BCW, CRW, ECB, FAW, WBC CEW	LL, RR2
13	Optimum AcreMax RW	CRW	RR2
14	Optimum Intrasect Insect Protection	ECB, WBC, BCW, FAW CEW, SB	LL, RR2
YieldGard (Monsanto)			
15	YieldGard CB (YGCB)	ECB CEW, FAW, SB	RR2(some)
16	YieldGard RW (YGRW)	CRW	RR2(some)
17	YieldGard Plus	CRW, ECB CEW, FAW, SB	RR2(some)
18	YieldGard VT Rootworm	CRW	RR2
19	YieldGard VT Triple (VT3)	CRW, ECB CEW, FAW, SB	RR2
Genuity (Monsanto or Monsanto + Mycogen/DowAgro)			
20	Genuity VT Double Pro (VT2P)	CEW, ECB, FAW	RR2
21	Genuity VT Triple Pro (VT3P)	CEW, CRW, ECB, FAW	RR2
22	SmartStax or Genuity SmartStax (GENSS)	BCW, CEW, CRW, ECB, FAW, WBC	RR2, LL
University of Wisconsin Integrated Pest and Crop Management webpage, posted 5/13/10			
Many thanks to Eileen Cullen, Extension Entomologist, University of Wisconsin			

Table 3. 2011 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.									
Brand/Company	Hybrid	DTM per Co. ¹	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Black-stone	Blacks-burg	Mean
<108 Days Relative Maturity									
Augusta	A5175CBP	107	108	106	100	---	---	---	105
DEKALB	DKC57-50 VT3	107	---	101	99	---	106	---	102
Augusta	A2852GT3000A	102	100	101	101	---	---	---	101
Augusta	A2750GT3000	100	113	97	82	---	---	---	97
Augusta	A2954GT3000A	104	90	99	102	---	---	---	97
Augusta	A5457	107	112	113	99	71	---	83	95
DEKALB	DKC53-45 GENSS	103	---	103	90	---	92	---	95
DEKALB	DKC52-59 VT3	102	---	113	81	---	90	---	95
T.A. Seeds	TA565-20	106	93	96	100	90	98	85	94
Pioneer	P0210HR	102	102	97	97	66	100	97	93
Mid-Atlantic Seeds	MA5055GT3	102	---	103	94	82	---	---	93
Augusta	A2847GT3000	97	104	96	69	---	---	---	90
Mid-Atlantic Seeds	MA8041RR	104	---	102	101	55	---	---	86
Mid-Atlantic Seeds	MA8009VT3	100	---	100	85	71	---	---	86
Augusta	A2340GT3000	90	103	91	52	---	---	---	82
Augusta	A2855GT3111	105	76	81	78	85	---	88	81
Mid-Atlantic Seeds	MA8052VT2P	105	---	100	92	46	---	---	79
Mid-Atlantic Seeds	MA5001GT3VIP	101	---	95	101	41	---	---	79
Mid-Atlantic Seeds	MA8010VT3	101	---	98	70	49	---	---	72
108-111 Days Relative Maturity									
Mid-Atlantic Seeds	MA8109VT3P	110	---	97	113	180	---	---	130
Mid-Atlantic Seeds	MA5091GT3VIP	109	---	84	109	150	---	---	114
Mid-Atlantic Seeds	MA5100GT3VIP	109	---	98	107	126	---	---	110
Augusta	A5560VT3	110	99	93	113	122	---	103	106
T.A. Seeds	TA587-22DP	108	114	111	103	---	---	93	105
RPM	RPM 633HXR	110	96	98	102	124	93	105	103
Pioneer	P1184HR	111	106	99	100	105	102	103	103
Augusta	A0606GTCBLLA	111	---	86	112	---	---	109	103
Seed Consultants	SCS 11HR02™	109	---	95	104	---	---	102	100
Seed Consultants	SCS 11HR12™	110	---	90	113	---	---	97	100
Augusta	A5658GTCBLL	108	78	101	96	125	---	---	100
DEKALB	DKC61-88 VT3P	111	---	98	99	---	85	112	99

Table 3, continued. 2011 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.									
Brand/Company	Hybrid	DTM per Co.¹	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Black-stone	Blacks-burg	Mean
T.A. Seeds	TA688-31	111	97	92	100	---	---	106	99
T.A. Seeds	TA659-28	111	84	101	105	---	---	102	98
Channel Bio	211-99VT3P	111	---	88	107	98	---	---	98
T.A. Seeds	TA657-13VP	111	96	88	97	108	91	99	97
Mid-Atlantic Seeds	MA8102VT3P	110	---	113	108	66	---	---	96
Seed Consultants	SCS 11HR21™	111	---	90	97	---	---	99	95
Augusta	A5460GT3000	110	95	89	101	---	---	---	95
Augusta	A5461GTCBLLA	111	104	90	99	---	---	84	94
Mid-Atlantic Seeds	MA8111VT3P	111	---	87	114	82	---	---	94
Mid-Atlantic Seeds	MA8088VT3	108	---	95	114	72	---	---	94
Seed Consultants	SC 11GT22™	111	---	83	100	---	---	95	93
Mid-Atlantic Seeds	MA8081VT2P	108	---	92	105	72	---	---	90
112-115 Days Relative Maturity									
Channel Bio	213-40VT3P	113	---	117	115	144	---	---	125
Mid-Atlantic Seeds	MA8127VT3P	112	---	115	110	138	---	---	121
DEKALB	DKC65-19 VT3P	115	106	131	112	---	119	---	117
DEKALB	DKC63-87 VT2P	113	---	112	126	116	104	---	115
Channel Bio	212-08VT3P	112	---	118	104	121	---	---	114
Mid-Atlantic Seeds	MA8129VT3P	112	---	114	103	119	---	---	112
Dyna-Gro	D54VP81	114	106	115	111	107	121	105	111
Channel Bio	214-14VT3P	114	---	115	109	102	---	---	109
DEKALB	DKC64-69 VT3P	114	120	117	77	113	117	---	109
DEKALB	DKC63-25 VT2P	113	---	113	115	95	101	---	106
Dyna-Gro	D53VP61	113	102	113	108	96	107	109	106
Seed Consultants	SC 11AGT30™	112	---	107	96	112	---	102	104
T.A. Seeds	TA720-20	113	69	104	103	120	101	122	103
Augusta	A6465GTCBLL	115	111	100	77	120	---	106	103
DEKALB	DKC62-09 VT3P	112	---	119	81	102	108	---	103
Augusta	A5464GTCBLLC	114	105	101	98	115	---	88	102
NK Brand	N68A-3000GT Brand	112	93	105	92	---	112	---	100
Mid-Atlantic Seeds	MA8153VT3P	115	---	94	74	133	---	---	100
Dyna-Gro	55VC21	115	97	97	96	103	99	106	100
Mid-Atlantic Seeds	MA5122GT3VIP	112	---	95	98	106	---	---	100

Table 3, continued. 2011 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.									
Brand/Company	Hybrid	DTM per Co.¹	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Black-stone	Blacks-burg	Mean
Southern States	SS 684 GENSS	112	105	109	120	85	74	103	99
T.A. Seeds	TA778-28	115	113	94	83	---	---	106	99
Seed Consultants	SC 11AXX52™	114	---	92	104	109	---	89	99
Doeblers	674GRQ	112	100	101	116	75	104	94	98
Seed Consultants	SCS 11HR31™	112	---	86	105	89	---	114	98
Augusta	A5462GT3000A	112	87	92	113	93	---	106	98
Seed Consultants	SCS 11HQ31™	112	---	91	119	83	---	97	98
Southern States	SS 755 GENVT3PRO	115	---	103	101	89	---	---	98
DEKALB	DKC62-58 VT2P	112	---	108	106	84	90	---	97
Mid-Atlantic Seeds	MA5151GTCBLL	115	---	96	91	102	---	---	96
Augusta	A0715HXT	115	84	92	103	102	97	98	96
Seed Consultants	SCS 11HQ60™	115	---	93	91	94	---	101	95
Dyna-Gro	57V59	114	83	114	110	70	100	88	94
Seed Consultants	SCS 11HQ38™	112	---	84	96	105	---	92	94
Augusta	A0720CBLL	112	89	98	91	95	---	95	94
T.A. Seeds	TA717-20	114	103	68	102	---	---	98	93
T.A. Seeds	TA775-13V	115	91	82	102	---	---	94	92
RPM	RPM 694HRQ	114	75	101	96	89	90	97	91
Mid-Atlantic Seeds	MA5160GT	114	---	88	92	83	---	---	88
Mid-Atlantic Seeds	MA5120GT3VIP	112	---	95	82	85	---	---	88
>115 Days Relative Maturity									
Southern States	SS 818 GENVT3PRO	118	---	114	95	159	---	---	123
DEKALB	DKC66-96 VT3P	116	127	115	111	---	---	---	118
DEKALB	DKC67-57 VT3P	117	106	129	107	---	---	---	114
Southern States	SS 788 GENVT3PRO	116	---	116	96	125	---	---	112
Pioneer	P1615HR	116	114	114	105	116	114	106	112
Southern States	SS 851 GENVT3PRO	119	---	104	104	120	---	---	110
Augusta	A6867CBLL	117	106	93	113	112	116	113	109
T.A. Seeds	TA780-13V	116	113	103	111	---	---	107	108
Augusta	A6867GTCBLLA	117	102	97	101	152	95	90	106
Pioneer	2088HR	120	100	101	124	92	90	106	102
T.A. Seeds	TA789-20	117	101	92	106	106	98	104	101
Pioneer	31G71	119	107	98	98	108	92	94	99

Table 3, continued. 2011 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.									
Brand/Company	Hybrid	DTM per Co.¹	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Black-stone	Blacks-burg	Mean
RPM	RPM 723HXR	116	110	96	117	81	73	98	96
DEKALB	DKC68-05 VT3P	118	106	104	74	---	---	---	95
Augusta	A6166GT3000A	116	91	---	---	91	---	96	93
Mid-Atlantic Seeds	MA8167VT3P	116	---	67	87	122	---	---	92
* 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* (2010-2011) 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				
DEKALB	DKC57-50 VT3	107	5	105
Mid-Atlantic Seeds	MA5055GT3	102	7	100
Augusta	A5457	107	10	98
DEKALB	DKC52-59 VT3	102	6	96
Mid-Atlantic Seeds	MA5001GT3VIP	101	7	93
Mid-Atlantic Seeds	MA8009VT3	100	7	90
Mid-Atlantic Seeds	MA8010VT3	101	7	90
108-111 Days Relative Maturity				
RPM	RPM 633HXR	110	11	108
Seed Consultants	SCS 11HR21™	111	8	103
Augusta	A5461GTCBLLA	111	10	101
Channel Bio	211-99VT3P	111	8	101
T.A. Seeds	TA657-13VP	111	11	98
Augusta	A5460GT3000	110	8	98
Mid-Atlantic Seeds	MA8109VT3P	110	6	97
Mid-Atlantic Seeds	MA8088VT3	108	7	94
112-115 Days Relative Maturity				
DEKALB	DKC64-69 VT3P	114	9	111
Mid-Atlantic Seeds	MA8129VT3P	112	7	110
Seed Consultants	SC 11AGT30™	112	9	106
Channel Bio	214-14VT3P	114	8	104
Augusta	A5462GT3000A	112	11	103
Dyna-Gro	57V59	114	10	101
Seed Consultants	SCS 11HQ38™	112	9	100
T.A. Seeds	TA717-20	114	10	100
Augusta	A0720CBLL	112	7	100
Mid-Atlantic Seeds	MA5160GT	114	7	93
>115 Days Relative Maturity				
DEKALB	DKC66-96 VT3P	116	6	109
Augusta	A6867CBLL	117	12	109
DEKALB	DKC68-05 VT3P	118	5	103
* 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 Hybrids that were tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location.				

Table 5. Three-year Average RELATIVE YIELD* (2009-2011) 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				
Mid-Atlantic Seeds	MA8009VT3	100	10	91
112-115 Days Relative Maturity				
Seed Consultants	SCS 11HQ38™	112	13	104
* 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 Hybrids that were tested over more site/year combinations provide a better estimate of hybrid performance than those tested only in a single site/year location.				

Table 6. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Augusta	A2750GT3000	100	109	13.6	55.7
Augusta	A5457	107	108	16.0	52.5
Augusta	A5175CBP	107	105	18.3	53.3
Augusta	A2847GT3000	97	101	15.0	56.6
Augusta	A2340GT3000	90	99	13.8	53.7
Pioneer	P0210HR	102	99	12.9	54.2
Augusta	A2852GT3000A	102	97	13.5	51.7
T.A. Seeds	TA565-20	106	90	16.5	53.1
Augusta	A2954GT3000A	104	87	16.5	55.0
Augusta	A2855GT3111	105	73	14.1	54.3
	Maturity Average		97	15.0	54.2
	L.S.D. (0.05)		26	3.8	2.9
	C.V.		17	15.9	3.1
108-111 Days Relative Maturity					
T.A. Seeds	TA587-22DP	108	110	15.9	54.4
Pioneer	P1184HR	111	102	16.9	54.2
Augusta	A5461GTCBLLA	111	101	14.1	51.3
Augusta	A5560VT3	110	96	14.6	53.8
T.A. Seeds	TA688-31	111	94	13.9	54.9
RPM	RPM 633HXR	110	93	16.7	56.4
T.A. Seeds	TA657-13VP	111	92	16.7	54.2
Augusta	A5460GT3000	110	92	16.8	53.5
T.A. Seeds	TA659-28	111	81	15.1	54.9
Augusta	A5658GTCBLL	108	75	16.4	55.3
	Maturity Average		93	15.7	54.4
	L.S.D. (0.05)		22	3.7	3.7
	C.V.		14	14.5	3.6
112-115 Days Relative Maturity					
DEKALB	DKC64-69 VT3P	114	116	22.2	53.1
NK Brand	N79Z-3000GT Brand	115	116	17.8	56.0
T.A. Seeds	TA778-28	115	109	20.5	53.5
Augusta	A6465GTCBLL	115	108	20.4	53.7
DEKALB	DKC65-19 VT3P	115	102	21.0	55.2
Dyna-Gro	D54VP81	114	102	16.1	55.2
Augusta	A5464GTCBLLC	114	102	16.6	53.9
Southern States	SS 684 GENSS	112	101	15.2	53.9
T.A. Seeds	TA717-20	114	99	16.6	54.7
Dyna-Gro	D53VP61	113	98	15.6	53.8
Doebler	674GRQ	112	97	15.6	52.8
NK Brand	N72F-3000GT Brand	113	94	20.7	52.8
Dyna-Gro	55VC21	115	94	18.9	53.2
NK Brand	N68A-3000GT Brand	112	90	14.4	53.6
T.A. Seeds	TA775-13V	115	88	18.7	55.9
Augusta	A0720CBLL	112	86	15.6	53.0
Augusta	A5462GT3000A	112	84	15.1	54.2

Table 6, continued. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
Augusta	A0715HXT	115	81	16.2	52.2
Dyna-Gro	57V59	114	80	16.5	54.1
RPM	RPM 694HRQ	114	73	18.1	55.1
T.A. Seeds	TA720-20	113	67	13.3	52.6
	Maturity Average		94	17.3	53.9
	L.S.D. (0.05)		26	4.1	3.4
	C.V.		18	15.4	3.7
>115 Days Relative Maturity					
DEKALB	DKC66-96 VT3P	116	122	18.5	52.9
Pioneer	P1615HR	116	110	19.4	54.7
T.A. Seeds	TA780-13V	116	109	21.1	52.3
RPM	RPM 723HXR	116	106	21.0	54.6
Pioneer	31G71	119	103	18.4	54.5
Augusta	A6867CBLL	117	102	22.8	53.1
DEKALB	DKC67-57 VT3P	117	102	17.6	53.6
DEKALB	DKC68-05 VT3P	118	102	22.9	54.1
Augusta	A6867GTCBLLA	117	98	20.1	55.6
T.A. Seeds	TA789-20	117	97	20.6	54.5
Pioneer	2088HR	120	97	31.6	54.3
Augusta	A6166GT3000A	116	88	15.7	54.1
	Maturity Average		104	20.5	53.9
	L.S.D. (0.05)		25	4.5	4.0
	C.V.		15	13.9	4.2
	Location Average		97	17.3	54.0

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

² Reported at 15.5% moisture.

Planted April 19, 2011. Harvested August 23-24, 2011. Population was 16,475 plants/acre.

Table 7. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2010 and 2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Augusta	A5457	107	125	15.9	56.1
108-111 Days Relative Maturity					
RPM	RPM 633HXR	110	128	16.2	57.2
Augusta	A5461GTCBLLA	111	128	14.7	55.7
T.A. Seeds	TA657-13VP	111	120	16.5	56.0
Augusta	A5460GT3000	110	113	16.1	56.3
	Maturity Average		123	15.9	56.3
	L.S.D. (0.05)		14	1.7	1.1
	C.V.		10	9.5	1.6
112-115 Days Relative Maturity					
DEKALB	DKC64-69 VT3P	114	146	19.0	55.3
T.A. Seeds	TA717-20	114	123	15.9	57.6
Dyna-Gro	57V59	114	120	16.1	55.9
Augusta	A0720CBLL	112	119	15.8	55.2
Augusta	A5462GT3000A	112	112	15.6	56.0
	Maturity Average		124	16.4	56.1
	L.S.D. (0.05)		21	2.1	1.4
	C.V.		16	12.2	2.4
>115 Days Relative Maturity					
DEKALB	DKC66-96 VT3P	116	139	17.2	55.9
DEKALB	DKC68-05 VT3P	118	126	20.8	55.1
Augusta	A6867CBLL	117	120	19.7	55.0
	Maturity Average		128	19.2	55.3
	L.S.D. (0.05)		16	2.2	1.5
	C.V.		10	9.4	2.2
	Location Average		124	16.8	56.0
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					

Table 8. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt.³ lb/bu	Lodge %
<108 Days Relative Maturity						
DEKALB	DKC52-59 VT3	102	160	15.8	53.5	1
Augusta	A5457	107	159	15.7	56.1	5
Augusta	A5175CBP	107	150	15.8	55.2	3
DEKALB	DKC53-45 GENSS	103	145	15.8	53.7	2
Mid-Atlantic Seeds	MA5055GT3	102	145	14.4	.	1
Mid-Atlantic Seeds	MA8041RR	104	145	15.5	55.5	5
Augusta	A2852GT3000A	102	143	15.7	55.5	1
DEKALB	DKC57-50 VT3	107	143	16.0	55.7	1
Mid-Atlantic Seeds	MA8009VT3	100	142	15.2	54.8	0
Mid-Atlantic Seeds	MA8052VT2P	105	141	15.8	55.9	4
Augusta	A2954GT3000A	104	140	15.7	55.8	1
Mid-Atlantic Seeds	MA8010VT3	101	138	15.3	55.6	3
Pioneer	P0210HR	102	137	15.8	54.9	3
Augusta	A2750GT3000	100	137	15.4	56.7	3
T.A. Seeds	TA565-20	106	136	15.2	54.8	4
Augusta	A2847GT3000	97	136	16.0	54.3	2
Mid-Atlantic Seeds	MA5001GT3VIP	101	135	16.2	55.0	4
Channel Bio	208-72VT3P	107	135	15.9	51.8	3
Augusta	A2340GT3000	90	128	15.0	55.3	5
Augusta	A2855GT3111	105	114	16.6	55.5	4
	Maturity Average		140	15.6	54.8	3
	L.S.D. (0.05)		17	1.0	2.1	3
	C.V.		8	4.3	1.7	89
108-111 Days Relative Maturity						
Mid-Atlantic Seeds	MA8102VT3P	110	160	15.8	.	1
T.A. Seeds	TA587-22DP	108	157	15.6	54.3	2
Augusta	A5658GTCBLL	108	143	15.6	54.3	1
T.A. Seeds	TA659-28	111	142	15.7	57.2	2
Pioneer	P1184HR	111	140	16.1	56.8	4
Mid-Atlantic Seeds	MA5100GT3VIP	109	139	16.4	55.9	6
RPM	RPM 633HXR	110	138	16.7	59.0	2
DEKALB	DKC61-88 VT3P	111	138	16.8	54.9	2
Mid-Atlantic Seeds	MA8109VT3P	110	137	16.0	55.5	4
Mid-Atlantic Seeds	MA8088VT3	108	134	16.2	54.4	7
Seed Consultants	SCS 11HR02™	109	134	16.0	54.8	5
Augusta	A5560VT3	110	132	16.3	54.5	3
Mid-Atlantic Seeds	MA8081VT2P	108	130	15.4	.	3
T.A. Seeds	TA688-31	111	130	15.5	.	2
Augusta	A5461GTCBLLA	111	127	15.8	51.1	8
Seed Consultants	SCS 11HR21™	111	127	15.9	53.6	6
Seed Consultants	SCS 11HR12™	110	127	16.6	58.5	4
Augusta	A5460GT3000	110	125	15.9	54.1	5
Channel Bio	211.9VT3P	111	125	15.5	54.7	3
T.A. Seeds	TA657-13VP	111	125	16.7	55.0	2
Mid-Atlantic Seeds	MA8111VT3P	111	123	15.6	53.9	7

Table 8, continued. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt.³ lb/bu	Lodge %
Augusta	A0606GTCBLLA	111	122	16.3	54.4	3
Mid-Atlantic Seeds	MA5091GT3VIP	109	118	17.1	55.5	7
Seed Consultants	SC 11GT22™	111	118	16.5	52.1	7
	Maturity Average		133	16.1	55.0	4
	L.S.D. (0.05)		23	1.1	1.5	4
	C.V.		12	4.5	1.3	72
112-115 Days Relative Maturity						
DEKALB	DKC65-19 VT3P	115	185	17.0	57.5	2
DEKALB	DKC62-09 VT3P	112	169	16.4	56.2	5
Channel Bio	212-08VT3P	112	167	16.7	56.8	0
Channel Bio	213-40VT3P	113	166	16.7	55.3	6
DEKALB	DKC64-69 VT3P	114	165	16.1	55.1	4
Channel Bio	214-14VT3P	114	162	17.1	56.1	3
Dyna-Gro	D54VP81	114	162	17.6	57.5	3
Mid-Atlantic Seeds	MA8127VT3P	112	162	16.6	56.8	4
Mid-Atlantic Seeds	MA8129VT3P	112	161	16.6	54.8	2
Dyna-Gro	57V59	114	161	16.2	54.2	3
Dyna-Gro	D53VP61	113	160	16.0	55.8	3
DEKALB	DKC63-25 VT2P	113	160	16.2	57.0	0
DEKALB	DKC63-87 VT2P	113	158	15.8	54.7	4
Southern States	SS 684 GENSS	112	153	15.4	56.6	1
DEKALB	DKC62-58 VT2P	112	153	16.2	57.0	2
Garst	83R38-3000GT Brand	113	153	17.0	55.1	3
Seed Consultants	SC 11AGT30™	112	152	16.4	54.0	4
NK Brand	N74R-3000GT Brand	114	150	16.7	.	3
NK Brand	N68A-3000GT Brand	112	148	16.9	53.7	7
T.A. Seeds	TA720-20	113	147	17.3	53.9	3
Southern States	SS 755 GENVT3PRO	115	145	16.4	55.5	5
RPM	RPM 694HRQ	114	143	16.3	54.2	5
Augusta	A5464GTCBLLC	114	143	17.1	55.2	6
NK Brand	N72A-3111 Brand	112	142	15.7	.	3
Doebler's	674GRQ	112	142	16.7	54.7	2
Augusta	A6465GTCBLL	115	142	17.2	56.0	4
Augusta	A0720CBLL	112	139	16.6	53.4	0
Dyna-Gro	55VC21	115	137	17.5	54.8	4
NK Brand	N71B-GT/CB/LL Brand	113	136	16.7	55.6	6
Mid-Atlantic Seeds	MA5151GTCBLL	115	136	16.1	.	4
Mid-Atlantic Seeds	MA5120GT3VIP	112	135	15.7	.	3
Mid-Atlantic Seeds	MA5122GT3VIP	112	134	17.0	55.0	2
T.A. Seeds	TA778-28	115	133	15.4	.	3
Mid-Atlantic Seeds	MA8153VT3P	115	133	17.1	55.5	2
Seed Consultants	SCS 11HQ60™	115	131	16.5	56.2	4
Seed Consultants	SC 11AX52™	114	131	17.3	55.1	4
Augusta	A0715HXT	115	131	16.9	53.1	6
Augusta	A5462GT3000A	112	130	17.1	53.9	5
Seed Consultants	SCS 11HQ31™	112	128	16.9	57.1	5

Table 8, continued. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt.³ lb/bu	Lodge %
Garst	83Z99-3000GT Brand	115	125	16.8	56.0	5
Mid-Atlantic Seeds	MA5160GT	114	124	16.5	55.0	9
Seed Consultants	SCS 11HR31™	112	121	17.1	56.3	6
Seed Consultants	SCS 11HQ38™	112	119	16.5	57.4	8
T.A. Seeds	TA775-13V	115	115	17.4	57.0	8
T.A. Seeds	TA717-20	114	96	18.1	54.2	15
	Maturity Average		145	16.6	55.5	4
	L.S.D. (0.05)		22	1.0	1.7	4
	C.V.		11	4.2	1.6	74
>115 Days Relative Maturity						
DEKALB	DKC67-57 VT3P	117	182	16.2	.	1
Southern States	SS 788 GENVT3PRO	116	164	16.2	55.9	2
DEKALB	DKC66.6 VT3P	116	162	16.1	.	0
Southern States	SS 818 GENVT3PRO	118	161	16.4	.	6
Pioneer	P1615HR	116	161	16.4	.	6
Southern States	SS 851 GENVT3PRO	119	147	16.4	.	5
DEKALB	DKC68-05 VT3P	118	147	16.3	.	8
T.A. Seeds	TA780-13V	116	145	16.7	.	3
Pioneer	2088HR	120	142	16.5	.	4
Pioneer	31G71	119	139	16.3	55.6	7
Augusta	A6867GTCBLLA	117	137	16.9	.	6
RPM	RPM 723HXR	116	136	16.1	.	6
Augusta	A6867CBLL	117	132	17.4	.	7
T.A. Seeds	TA789-20	117	130	16.5	.	3
Mid-Atlantic Seeds	MA8167VT3P	116	94	15.8	.	9
	Maturity Average		146	16.4	55.8	5
	L.S.D. (0.05)		26	0.7		6
	C.V.		12	3.0		81
	Location Average		141	16.3	55.2	4
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.						
² Reported at 15.5% moisture.						
³ Some test weights at this site were not recorded due to a mechanical difficulty.						
Planted April 23, 2011. Harvested September 30, 2011. Population was 23,303 plants/acre.						

Table 9. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 and 2011 - Virginia Tech Trials.

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 Seeds	MA5055GT3	102	120	13.7	60.4	0
Mid-Atlantic Seeds	MA8010VT3	101	119	14.3	58.5	3
Mid-Atlantic Seeds	MA5001GT3VIP	101	109	14.5	58.1	2
Augusta	A5457	107	109	14.5	58.8	2
Mid-Atlantic Seeds	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 Bio	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
RPM	RPM 633HXR	110	110	15.6	58.5	1
Augusta	A5461GTCBLLA	111	109	14.8	56.8	5
Mid-Atlantic Seeds	MA8088VT3	108	109	15.2	56.8	4
T.A. Seeds	TA657-13VP	111	99	14.8	57.7	3
Mid-Atlantic Seeds	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 Bio	214-14VT3P	114	128	16.0	57.1	2
Mid-Atlantic Seeds	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 Seeds	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
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. Three-year Average Corn Yields under DRYLAND 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	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic Seeds	MA8009VT3	100	114	14.0	56.0
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HQ38™	112	123	16.3	56.6
	Location Average		118	15.0	56.3
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					

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

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Channel Bio	208-72VT3P	107	216	17.9	54.1
Augusta	A2954GT3000A	104	210	18.7	56.5
Augusta	A2852GT3000A	102	209	17.2	57.1
Mid-Atlantic Seeds	MA8041RR	104	207	17.9	57.5
Mid-Atlantic Seeds	MA5001GT3VIP	101	207	18.0	56.2
Augusta	A5175CBP	107	205	19.3	54.5
T.A. Seeds	TA565-20	106	205	18.3	55.5
Augusta	A5457	107	204	19.1	57.0
DEKALB	DKC57-50 VT3	107	203	18.5	55.1
Pioneer	P0210HR	102	199	15.9	56.4
Mid-Atlantic Seeds	MA5055GT3	102	194	16.9	56.9
Mid-Atlantic Seeds	MA8052VT2P	105	189	18.0	56.7
DEKALB	DKC53-45 GENSS	103	185	17.7	55.8
Mid-Atlantic Seeds	MA8009VT3	100	175	16.0	55.9
Augusta	A2750GT3000	100	168	18.5	56.1
DEKALB	DKC52-59 VT3	102	168	17.2	55.3
Augusta	A2855GT3111	105	160	18.4	56.1
Mid-Atlantic Seeds	MA8010VT3	101	144	17.0	57.2
Augusta	A2847GT3000	97	141	19.0	56.3
Augusta	A2340GT3000	90	107	15.8	54.8
	Maturity Average		185	17.7	56.1
	L.S.D. (0.05)		42	2.6	2.4
	C.V.		15	9.6	2.7
108-111 Days Relative Maturity					
Mid-Atlantic Seeds	MA8088VT3	108	235	18.2	55.3
Mid-Atlantic Seeds	MA8111VT3P	111	235	21.0	53.6
Seed Consultants	SCS 11HR12™	110	233	19.0	57.7
Augusta	A5560VT3	110	233	19.9	55.8
Mid-Atlantic Seeds	MA8109VT3P	110	232	18.3	57.1
Augusta	A0606GTCBLLA	111	231	18.4	54.7
Mid-Atlantic Seeds	MA5091GT3VIP	109	223	18.7	55.6
Mid-Atlantic Seeds	MA8102VT3P	110	223	19.1	57.8
Mid-Atlantic Seeds	MA5100GT3VIP	109	220	17.5	57.2
Channel Bio	211-99VT3P	111	219	16.6	56.3
Mid-Atlantic Seeds	MA8081VT2P	108	216	17.8	56.3
T.A. Seeds	TA659-28	111	215	18.2	56.6
Seed Consultants	SCS 11HR02™	109	215	20.2	55.0
T.A. Seeds	TA587-22DP	108	212	17.9	54.4
RPM	RPM 633HXR	110	210	19.2	58.8
Augusta	A5460GT3000	110	209	19.9	54.7
Pioneer	P1184HR	111	206	18.7	55.3
Seed Consultants	SC 11GT22™	111	205	20.3	52.9
T.A. Seeds	TA688-31	111	205	18.1	55.9
DEKALB	DKC61-88 VT3P	111	204	19.9	54.3
Augusta	A5461GTCBLLA	111	204	18.4	54.4

Table 11, continued. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
Seed Consultants	SCS 11HR21™	111	200	24.0	56.3
T.A. Seeds	TA657-13VP	111	199	17.8	56.9
Augusta	A5658GTCELL	108	197	18.6	57.4
	Maturity Average		215	19.0	55.9
	L.S.D. (0.05)		39	3.3	3.1
	C.V.		12	12.1	3.7
112-115 Days Relative Maturity					
DEKALB	DKC63-87 VT2P	113	260	19.7	54.9
Southern States	SS 684 GENSS	112	246	18.5	55.3
Seed Consultants	SCS 11HQ31™	112	245	18.7	56.3
Doebler's	674GRQ	112	239	19.4	54.6
DEKALB	DKC63-25 VT2P	113	237	18.8	56.2
Channel Bio	213-40VT3P	113	236	19.1	54.8
Augusta	A5462GT3000A	112	232	19.0	54.7
NK Brand	N74R-3000GT Brand	114	231	18.9	55.2
DEKALB	DKC65-19 VT3P	115	230	20.3	57.3
Dyna-Gro	D54VP81	114	228	20.7	57.8
Mid-Atlantic Seeds	MA8127VT3P	112	227	18.1	56.5
Dyna-Gro	57V59	114	225	17.2	56.4
Channel Bio	214-14VT3P	114	225	17.2	58.0
Dyna-Gro	D53VP61	113	221	17.5	58.0
DEKALB	DKC62-58 VT2P	112	219	17.4	58.1
Seed Consultants	SCS 11HR31™	112	216	18.8	56.2
Seed Consultants	SC 11AXX52™	114	214	18.3	54.9
Channel Bio	212-08VT3P	112	213	17.6	57.4
Mid-Atlantic Seeds	MA8129VT3P	112	212	18.8	55.8
Augusta	A0715HXT	115	212	20.6	55.8
T.A. Seeds	TA720-20	113	212	19.8	53.2
T.A. Seeds	TA775-13V	115	210	18.9	58.4
NK Brand	N72A-3111 Brand	112	210	20.8	53.5
T.A. Seeds	TA717-20	114	210	19.1	56.5
Southern States	SS 755 GENVT3PRO	115	207	17.8	55.8
Augusta	A5464GTCELL	114	202	18.8	56.3
Mid-Atlantic Seeds	MA5122GT3VIP	112	201	17.9	53.4
Garst	83R38-3000GT Brand	113	199	18.7	55.7
Dyna-Gro	55VC21	115	198	18.5	53.5
Garst	83Z99-3000GT Brand	115	198	20.4	56.2
Seed Consultants	SC 11AGT30™	112	198	20.1	55.1
Seed Consultants	SCS 11HQ38™	112	198	19.0	56.6
RPM	RPM 694HRQ	114	197	19.5	55.3
Mid-Atlantic Seeds	MA5160GT	114	189	20.9	53.8
NK Brand	N68A-3000GT Brand	112	188	19.9	55.6
Mid-Atlantic Seeds	MA5151GTCELL	115	187	20.4	56.7
Seed Consultants	SCS 11HQ60™	115	186	19.5	57.9

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

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
Augusta	A0720CBLL	112	186	20.5	54.3
T.A. Seeds	TA778-28	115	170	18.7	58.9
Mid-Atlantic Seeds	MA5120GT3VIP	112	169	19.9	52.3
DEKALB	DKC62-09 VT3P	112	167	17.3	57.9
DEKALB	DKC64-69 VT3P	114	159	22.9	56.9
Augusta	A6465GTCBLL	115	158	20.8	55.3
Mid-Atlantic Seeds	MA8153VT3P	115	151	21.4	57.2
NK Brand	N71B-GT/CB/LL Brand	113	149	18.9	57.7
	Maturity Average		206	19.2	55.9
	L.S.D. (0.05)		41	2.9	2.4
	C.V.		14	10.4	2.9
>115 Days Relative Maturity					
Pioneer	2088HR	120	255	21.1	55.2
RPM	RPM 723HXR	116	240	19.0	58.6
Augusta	A6867CBLL	117	232	19.9	57.1
DEKALB	DKC66-96 VT3P	116	229	18.9	57.0
T.A. Seeds	TA780-13V	116	228	20.1	55.6
DEKALB	DKC67-57 VT3P	117	219	18.9	56.9
T.A. Seeds	TA789-20	117	219	18.9	53.8
Pioneer	P1615HR	116	217	21.2	55.4
Southern States	SS 851 GENVT3PRO	119	214	20.1	57.2
Augusta	A6867GTCBLLA	117	208	21.0	56.8
Pioneer	31G71	119	201	18.7	56.6
Southern States	SS 788 GENVT3PRO	116	198	20.4	56.5
Southern States	SS 818 GENVT3PRO	118	196	19.3	54.6
Mid-Atlantic Seeds	MA8167VT3P	116	179	18.9	57.2
DEKALB	DKC68-05 VT3P	118	151	18.3	55.5
	Maturity Average		213	19.7	56.3
	L.S.D. (0.05)		35	2.0	2.1
	C.V.		11	6.8	2.5
	Location Average		206	19.0	56.0
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					
Planted April 21-22, 2011. Harvested September 20 - October 5, 2011.					
Population was 28,083 plants/acre.					
There was a great degree of hurricane damage to these plots and that contributed to the high variability of data.					

Table 12. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 and 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co. ¹	Yield ² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
DEKALB	DKC57-50 VT3	107	216	16.4	57.5
Augusta	A5457	107	213	17.0	58.3
Mid-Atlantic Seeds	MA5055GT3	102	206	15.5	58.7
Mid-Atlantic Seeds	MA5001GT3VIP	101	204	16.1	58.5
DEKALB	DKC52-59 VT3	102	192	15.8	57.9
Mid-Atlantic Seeds	MA8009VT3	100	191	15.2	58.2
Mid-Atlantic Seeds	MA8010VT3	101	175	15.3	59.1
	Maturity Average		199	15.9	58.3
	L.S.D. (0.05)		20	1.1	1.0
	C.V.		9	6.2	1.6
108-111 Days Relative Maturity					
Augusta	A5461GTCBLLA	111	233	16.7	56.6
Seed Consultants	SCS 11HR21?	111	226	20.0	57.7
T.A. Seeds	TA657-13VP	111	225	16.3	58.1
Channel Bio	211-99VT3P	111	225	16.0	57.4
Mid-Atlantic Seeds	MA8109VT3P	110	224	16.5	58.3
Augusta	A5460GT3000	110	223	17.9	56.6
Mid-Atlantic Seeds	MA8088VT3	108	222	16.3	57.7
RPM	RPM 633HXR	110	218	17.3	59.0
	Maturity Average		225	17.1	57.7
	L.S.D. (0.05)		25	2.1	2.1
	C.V.		11	11.6	3.4
112-115 Days Relative Maturity					
Augusta	A5462GT3000A	112	249	17.1	56.7
Mid-Atlantic Seeds	MA8129VT3P	112	233	17.3	57.2
Channel Bio	214-14VT3P	114	229	16.6	58.1
Dyna-Gro	57V59	114	222	15.9	57.8
T.A. Seeds	TA717-20	114	219	16.7	57.8
Seed Consultants	SCS 11HQ38?	112	215	17.3	57.5
Seed Consultants	SC 11AGT30?	112	207	17.8	56.9
Mid-Atlantic Seeds	MA5160GT	114	207	18.3	55.9
DEKALB	DKC64-69 VT3P	114	202	19.3	57.6
Augusta	A0720CBLL	112	195	19.6	55.1
	Maturity Average		218	17.5	57.1
	L.S.D. (0.05)		24	1.4	1.2
	C.V.		11	7.5	22.0
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	243	17.9	57.5
DEKALB	DKC66-96 VT3P	116	231	17.4	57.6
DEKALB	DKC68-05 VT3P	118	191	17.6	56.2
	Maturity Average		224	17.7	57.2
	L.S.D. (0.05)		38	1.0	1.1
	C.V.		14	4.6	1.6
	Location Average		216	17.0	57.6

¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies. ² Reported at 15.5% moisture.

Table 13. Three-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2009-2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Mid-Atlantic Seeds	MA8009VT3	100	212	15.2	55.8
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HQ38™	112	238	17.5	57.5
	Location Average		225	16.3	56.6
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					

Table 14. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
DEKALB	DKC57-50 VT3	107	99	18.8	54.0
Pioneer	P0210HR	102	94	17.6	52.4
T.A. Seeds	TA565-20	106	92	18.1	51.5
DEKALB	DKC53-45 GENSS	103	86	15.7	54.6
DEKALB	DKC52-59 VT3	102	84	16.3	51.7
	Maturity Average		91	17.2	53.0
	L.S.D. (0.05)		13	1.3	2.3
	C.V.		9	4.5	2.2
108-111 Days Relative Maturity					
Pioneer	P1184HR	111	96	20.6	53.8
RPM	RPM 633HXR	110	87	22.6	53.1
T.A. Seeds	TA657-13VP	111	86	23.2	54.0
DEKALB	DKC61-88 VT3P	111	80	18.4	54.9
	Maturity Average		87	21.2	54.0
	L.S.D. (0.05)		23	3.7	1.1
	C.V.		13	8.3	1.0
112-115 Days Relative Maturity					
Dyna-Gro	D54VP81	114	113	24.1	52.4
DEKALB	DKC65-19 VT3P	115	112	21.2	52.9
DEKALB	DKC64-69 VT3P	114	109	22.7	52.4
NK Brand	N68A-3000GT Brand	112	105	20.0	51.8
NK Brand	N72F-3000GT Brand	113	103	26.1	50.9
DEKALB	DKC62-09 VT3P	112	101	20.4	52.0
Dyna-Gro	D53VP61	113	100	19.0	54.2
Doebblers	674GRQ	112	98	20.8	52.2
DEKALB	DKC63-87 VT2P	113	97	20.9	52.7
T.A. Seeds	TA720-20	113	95	20.0	52.4
DEKALB	DKC63-25 VT2P	113	95	23.8	52.5
Dyna-Gro	57V59	114	94	19.9	51.7
Dyna-Gro	55VC21	115	93	25.9	51.4
NK Brand	N79Z-3000GT Brand	115	92	24.9	54.0
Augusta	A0715HXT	115	91	21.0	51.9
DEKALB	DKC62-58 VT2P	112	84	19.6	54.3
RPM	RPM 694HRQ	114	84	18.8	53.6
Southern States	SS 684 GENSS	112	69	18.6	53.4
	Maturity Average		96	21.4	52.7
	L.S.D. (0.05)		25	1.9	2.3
	C.V.		18	6.2	2.9
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	109	25.6	52.2
Pioneer	P1615HR	116	107	25.7	53.6
Channel Bio	217-08VT3P	117	104	23.6	51.7
T.A. Seeds	TA789-20	117	92	22.5	-9.0
Augusta	A6867GTCBLLA	117	89	23.1	51.4
Channel Bio	216-96VT3P	116	87	21.1	52.8

Table 14, continued. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
Pioneer	31G71	119	86	19.6	53.3
Pioneer	2088HR	120	85	25.5	51.9
RPM	RPM 723HXR	116	68	20.9	52.9
	Maturity Average		93	22.6	52.7
	L.S.D. (0.05)		32	2.4	1.6
	C.V.		22	6.8	1.9
	Location Average		94	21.2	52.9
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					
Planted April 18, 2011. Harvested August 31, 2011. Population was 18,595 plants/acre.					

Table 15. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2011 - Virginia Tech Trials.							
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu	Days to Silk	Ear Ht inches
<108 Days Relative Maturity							
Pioneer	P0210HR	102	141	18.0	55.2	57	44
Augusta	A2855GT3111	105	128	17.8	56.6	57	37
T.A. Seeds	TA565-20	106	123	19.8	54.2	58	46
Augusta	A5457	107	120	20.3	54.0	59	35
	Maturity Average		127	19.1	54.9	58	40
	L.S.D. (0.05)		38	1.7	2.8	2	8
	C.V.		16	4.7	2.7	2	11
108-111 Days Relative Maturity							
DEKALB	DKC61-88 VT3P	111	162	19.9	54.7	57	41
Augusta	A0606GTCBLLA	111	158	23.3	51.8	59	51
T.A. Seeds	TA688-31	111	153	20.6	53.2	57	39
RPM	RPM 633HXR	110	153	20.7	58.0	58	45
Augusta	A5560VT3	110	149	21.2	55.9	57	40
Pioneer	P1184HR	111	149	22.1	55.6	58	44
Seed Consultants	SCS 11HR02™	109	149	19.9	55.4	58	40
T.A. Seeds	TA659-28	111	148	20.3	55.0	57	40
T.A. Seeds	TA657-13VP	111	144	19.6	56.6	58	46
Seed Consultants	SCS 11HR21™	111	143	22.1	55.2	60	44
Seed Consultants	SCS 11HR12™	110	141	23.4	56.1	60	43
Seed Consultants	SC 11GT22™	111	138	22.5	51.1	59	42
T.A. Seeds	TA587-22DP	108	135	18.0	55.2	57	41
Augusta	A5461GTCBLLA	111	122	22.0	51.4	60	46
	Maturity Average		146	21.1	54.9	58	43
	L.S.D. (0.05)		23	2.3	2.7	2	7
	C.V.		10	7.0	2.9	2	11
112-115 Days Relative Maturity							
T.A. Seeds	TA720-20	113	177	25.5	51.8	59	45
Seed Consultants	SCS 11HR31™	112	165	24.3	55.6	61	47
Dyna-Gro	D53VP61	113	158	21.1	55.3	57	43
T.A. Seeds	TA778-28	115	154	25.3	52.2	61	50
Dyna-Gro	55VC21	115	154	23.6	53.4	58	41
Augusta	A5462GT3000A	112	153	23.4	52.0	58	45
Augusta	A6465GTCBLL	115	153	26.5	52.9	59	45
Dyna-Gro	D54VP81	114	152	21.7	56.1	57	41
Augusta	A7664VT3P	114	150	25.3	51.8	57	42
Southern States	SS 684 GENSS	112	149	19.6	55.3	58	42
Seed Consultants	SC 11AGT30™	112	148	24.8	51.0	60	42
Seed Consultants	SCS 11HQ60™	115	146	23.9	55.7	62	46
Augusta	A6164GT3000	114	143	25.0	52.4	53	50
Augusta	A0715HXT	115	142	22.4	51.6	58	44
T.A. Seeds	TA717-20	114	142	24.9	51.8	59	50
RPM	RPM 694HRQ	114	141	22.6	53.1	60	46
Seed Consultants	SCS 11HQ31™	112	141	24.3	54.8	60	47
Augusta	A0720CBLL	112	137	23.9	52.0	58	47
Doebler's	674GRQ	112	136	23.8	52.4	59	48

Table 15, continued. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu	Days to Silk	Ear Ht inches
T.A. Seeds	TA775-13V	115	136	23.9	53.5	62	49
Seed Consultants	SCS 11HQ38™	112	133	24.9	54.0	61	48
Seed Consultants	SC 11AXX52™	114	129	26.6	51.4	60	49
Augusta	A5464GTCBLLC	114	128	22.0	53.6	59	47
Dyna-Gro	57V59	114	127	20.3	55.6	57	41
	Maturity Average		145	23.7	53.3	59	46
	L.S.D. (0.05)		23	2.1	1.5	5	7
	C.V.		11	5.9	1.8	5	10
>115 Days Relative Maturity							
Augusta	A7669GTCBLL	119	170	28.2	52.3	59	51
Seed Consultants	SCS 11HQ70™	116	167	25.1	53.8	61	59
Augusta	A6867CBLL	117	164	26.6	53.6	58	51
T.A. Seeds	TA780-13V	116	155	26.5	50.7	60	48
Pioneer	P1615HR	116	154	24.7	54.2	62	54
Pioneer	2088HR	120	153	27.5	51.7	60	46
T.A. Seeds	TA789-20	117	151	23.7	51.6	59	48
Seed Consultants	SCS 11HR63™	116	145	25.7	53.0	61	50
RPM	RPM 723HXR	116	142	24.6	54.4	61	45
Augusta	A6166CBLLC	116	140	27.2	51.6	60	53
Augusta	A6166GT3000A	116	139	27.4	52.1	61	48
Pioneer	31G71	119	136	28.1	53.0	61	51
Seed Consultants	SC 11AGT72™	117	134	24.0	54.0	58	47
Augusta	A6867GTCBLLA	117	130	26.6	53.7	59	50
	Maturity Average		149	26.1	52.9	60	50
	L.S.D. (0.05)		24	2.1	1.2	1	5
	C.V.		11	5.5	1.5	1	7
	Location Average		145	23.4	53.7	59	46
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.							
² Reported at 15.5% moisture.							
Planted May 31, 2011. Harvested October 21, 2011.							

Table 16. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2010 and 2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity					
Augusta	A5457	107	151	18.3	56.0
108-111 Days Relative Maturity					
RPM	RPM 633HXR	110	188	18.3	58.2
T.A. Seeds	TA657-13VP	111	173	17.7	57.7
Augusta	A5461GTCBLLA	111	171	19.1	55.6
Seed Consultants	SCS 11HR21?	111	166	18.8	56.7
	Maturity Average		175	18.4	57.1
	L.S.D. (0.05)		14	0.8	0.8
	C.V.		7	.4.264	1.3
112-115 Days Relative Maturity					
Augusta	A5462GT3000A	112	181	20.1	54.5
T.A. Seeds	TA717-20	114	180	19.5	55.4
Seed Consultants	SC 11AGT30?	112	178	20.8	54.6
Seed Consultants	SCS 11HQ38?	112	169	20.8	55.8
Augusta	A6164GT3000	114	162	20.9	54.8
	Maturity Average		175	20.3	55.1
	L.S.D. (0.05)		12	1.2	0.8
	C.V.		7	5.6	1.4
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	188	21.6	55.1
	Location Average		174	19.6	55.9
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					

Table 17. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2009-2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity					
Seed Consultants	SCS 11HQ38™	112	173	20.0	56.5
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					

Table 18. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Days to Silk
<108 Days Relative Maturity					
T.A. Seeds	TA565-20	106	72	15.2	60
Augusta	A2855GT3111	105	67	14.9	60
Mid-Atlantic Seeds	MA5055GT3	102	65	15.2	60
Mid-Atlantic Seeds	MA8009VT3	100	57	15.5	61
Augusta	A5457	107	56	15.0	60
Pioneer	P0210HR	102	53	14.8	61
Mid-Atlantic Seeds	MA8041RR	104	44	14.7	60
Mid-Atlantic Seeds	MA8010VT3	101	39	14.6	60
Mid-Atlantic Seeds	MA8052VT2P	105	36	15.2	61
Mid-Atlantic Seeds	MA5001GT3VIP	101	32	14.5	60
	Maturity Average		52	14.9	60
	L.S.D. (0.05)		25	0.3	1
	C.V.		32	1.3	1
108-111 Days Relative Maturity					
Mid-Atlantic Seeds	MA8109VT3P	110	143	15.6	60
Mid-Atlantic Seeds	MA5091GT3VIP	109	119	16.0	61
Mid-Atlantic Seeds	MA5100GT3VIP	109	100	15.9	60
Augusta	A5658GTCBLL	108	99	15.8	62
RPM	RPM 633HXR	110	98	16.5	59
Augusta	A5560VT3	110	97	15.7	60
T.A. Seeds	TA657-13VP	111	86	15.6	61
Pioneer	P1184HR	111	83	16.9	60
Channel Bio	211-99VT3P	111	78	15.3	60
Mid-Atlantic Seeds	MA8111VT3P	111	65	15.7	61
Mid-Atlantic Seeds	MA8081VT2P	108	57	15.6	60
Mid-Atlantic Seeds	MA8088VT3	108	57	15.7	61
Mid-Atlantic Seeds	MA8102VT3P	110	52	16.5	60
	Maturity Average		84	16.0	60
	L.S.D. (0.05)		49	0.2	1
	C.V.		34	1.1	1
112-115 Days Relative Maturity					
Channel Bio	213-40VT3P	113	114	16.9	61
Mid-Atlantic Seeds	MA8127VT3P	112	110	16.6	61
Mid-Atlantic Seeds	MA8153VT3P	115	106	19.3	61
Channel Bio	212-08VT3P	112	96	16.1	61
T.A. Seeds	TA720-20	113	95	17.7	61
Augusta	A6465GTCBLL	115	95	19.6	62
Mid-Atlantic Seeds	MA8129VT3P	112	94	16.7	61
Bio Gene	BG 850V3	115	94	16.6	61
DEKALB	DKC63-87 VT2P	113	92	15.6	61
Augusta	A7664VT3P	114	91	17.5	61
Augusta	A5464GTCBLLC	114	91	16.3	61
DEKALB	DKC64-69 VT3P	114	89	17.1	62
Seed Consultants	SC 11AGT30™	112	89	16.6	61
Augusta	A6164GT3000	114	89	17.4	61

Table 18, continued. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Days to Silk
Seed Consultants	SC 11AXX52™	114	86	18.4	62
Dyna-Gro	D54VP81	114	85	16.4	61
Mid-Atlantic Seeds	MA5122GT3VIP	112	84	16.6	61
Seed Consultants	SCS 11HQ38™	112	83	16.2	61
Dyna-Gro	55VC21	115	81	17.1	61
DEKALB	DKC62-09 VT3P	112	81	15.7	61
Augusta	A0715HXT	115	81	17.0	61
Channel Bio	214-14VT3P	114	81	17.6	61
Mid-Atlantic Seeds	MA5151GTCBLL	115	81	16.5	61
Dyna-Gro	D53VP61	113	76	15.1	61
Augusta	A0720CBLL	112	76	17.1	61
DEKALB	DKC63-25 VT2P	113	75	19.0	61
Seed Consultants	SCS 11HQ60™	115	75	15.9	62
Augusta	A5462GT3000A	112	74	18.5	61
Seed Consultants	SCS 11HR31™	112	70	17.4	62
Southern States	SS 755 GENVT3PRC	115	70	15.0	61
RPM	RPM 694HRQ	114	70	18.0	61
Bio Gene	BG 830V3	114	69	15.3	61
Mid-Atlantic Seeds	MA5120GT3VIP	112	68	17.6	61
Southern States	SS 684 GENSS	112	67	15.6	61
DEKALB	DKC62-58 VT2P	112	67	15.6	60
Mid-Atlantic Seeds	MA5160GT	114	66	18.3	61
Seed Consultants	SCS 11HQ31™	112	66	17.9	62
Doebblers	674GRQ	112	60	18.1	61
Dyna-Gro	57V59	114	56	15.4	61
	Maturity Average		81	16.9	61
	L.S.D. (0.05)		25	0.8	1
	C.V.		20	3.5	1
>115 Days Relative Maturity					
Southern States	SS 818 GENVT3PRC	118	126	19.0	61
Augusta	A6867GTCBLLA	117	120	20.6	61
Channel Bio	217-08VT3P	117	101	18.4	61
Southern States	SS 788 GENVT3PRC	116	99	17.8	61
Seed Consultants	SCS 11HQ70™	116	97	19.2	62
Mid-Atlantic Seeds	MA8167VT3P	116	97	16.9	62
Southern States	SS 851 GENVT3PRC	119	95	17.9	61
Pioneer	P1615HR	116	92	19.6	62
Channel Bio	216-96VT3P	116	91	16.6	61
Augusta	A6867CBLL	117	89	21.3	61
Seed Consultants	SC 11AGT72™	117	88	20.4	61
Pioneer	31G71	119	85	17.4	62
T.A. Seeds	TA789-20	117	84	19.3	61
Augusta	A7669GTCBLL	119	79	19.8	62
Augusta	A6166CBLLC	116	73	17.8	62
Pioneer	2088HR	120	73	21.2	62
Augusta	A6166GT3000A	116	72	19.0	62

Table 18, continued. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2011 - Virginia Tech Trials.					
Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Days to Silk
Seed Consultants	SCS 11HR63™	116	67	17.4	62
RPM	RPM 723HXR	116	64	16.2	61
Bio Gene	BG 870V3	117	59	17.5	61
	Maturity Average		88	18.6	61
	L.S.D. (0.05)		31	0.5	1
	C.V.		22	1.9	1
	Location Average		79	16.9	61
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					
Planted May 12-25, 2011. Harvested November 2, 2011.					

Table 19. Two-Year Average Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2010 and 2011 - Virginia Tech Trials.

Brand/Company	Hybrid	DTM per Co.¹	Yield² bu/A	Moist %	Days to Silk
<108 Days Relative Maturity					
Mid-Atlantic Seeds	MA5055GT3	102	62	13.9	64.8
Augusta	A5457	107	59	13.9	66.1
Mid-Atlantic Seeds	MA8009VT3	100	58	14.1	65.9
Mid-Atlantic Seeds	MA5001GT3VIP	101	50	13.5	64.6
Mid-Atlantic Seeds	MA8010VT3	101	48	13.5	64.5
	Maturity Average		55	13.8	65.2
	L.S.D. (0.05)		12	0.3	1.3
	C.V.		21	1.9	2.0
108-111 Days Relative Maturity					
RPM	RPM 633HXR	110	81	14.7	64.8
T.A. Seeds	TA657-13VP	111	60	14.3	67.1
Mid-Atlantic Seeds	MA8109VT3P	110	59	14.3	67.0
Channel Bio	211-99VT3P	111	59	14.1	66.4
Mid-Atlantic Seeds	MA8088VT3	108	53	14.4	67.3
	Maturity Average		63	14.4	66.5
	L.S.D. (0.05)		25	0.3	1.7
	C.V.		35	1.8	2.4
112-115 Days Relative Maturity					
Mid-Atlantic Seeds	MA8129VT3P	112	77	15.0	65.4
Augusta	A6164GT3000	114	73	15.3	66.9
Seed Consultants	SCS 11HQ38?	112	70	14.5	65.8
Seed Consultants	SC 11AGT30?	112	70	15.0	66.4
Augusta	A5462GT3000A	112	65	15.8	66.0
Channel Bio	214-14VT3P	114	63	15.2	66.6
Mid-Atlantic Seeds	MA5160GT	114	58	16.1	67.4
Dyna-Gro	57V59	114	58	14.1	65.9
	Maturity Average		67	15.1	66.3
	L.S.D. (0.05)		12	0.5	2.0
	C.V.		18	3.0	3.0
>115 Days Relative Maturity					
Augusta	A6867CBLL	117	72	17.4	66.9
	Location Average		63	14.7	66.1
¹ Days to maturity provided by company; differences in maturity rating methods may exist between companies.					
² Reported at 15.5% moisture.					