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VIRGINIA STATE

VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2010

Coordinators of Virginia Corn Hybrid Trials in 2010

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Jon Wooge, Agricultural Program Coordinator, College Farm, Virginia Tech

Companies Participating in the 2010 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
ChannelBio, LLC	Channel	P.O. Box 157, Kentland, IN 47951
Doeblers PA Hybrids, Inc	Doeblers and RPM	202 Tiadaghton Ave., Jersey Shore, PA 17740
Dyna-Gro Seed	Dyna-Gro	P.O. Box 409, St. Stephens Church, VA 23148
Hubner Seed	Hubner Seed	10280 West SR28, West Lebanon, IN 47991
Mid-Atlantic Seeds, Inc	Mid-Atlantic	204 St Charles Way #163, York, PA 17404
Monsanto	DEKALB	800 N Lindbergh Blvd, St Louis, MO 63167
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	Garst and NK Brand	11055 Wayzata Blvd., Minnetonka, MN 55305
T.A. Seeds LLC	T.A. Seeds	P.O. 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 2010. 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 Blackstone site was abandoned due to drought stress. 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.

2010 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm

Planted: May 5, 2010
Harvested: October 5, 2010
Pesticide: Parallel Plus® at 2 qt + Atrazine 90 at ¾ lb + Simazine 90DF at 1 lb + Gly-4 Plus® at 2 ½ qt + Python® at 1 oz April 12, 2010 pre-plant incorporated; 5 lb Force 3G® at planting; 2,4-D at 1 pt + Atrazine 90 at ¾ lb 80/20 surfactant June 9, 2010.
Fertilizer: 30-70-60 pre-plant incorporated May 4, 2010; 20 gal 20-10-0 + micronutrients at planting; 81 lb N using UAN June 10, 2010; 50 lb N using UAN June 14, 2010.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Hayter
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 13, 2010
Harvested: abandoned due to drought
Pesticide: 5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 2 qt atrazine 4L April 15, 2010.
Fertilizer: 1000 lb 10-10-10 pre-plant incorporated April 12, 2010; 20 gal 20-10-0 + micronutrients at planting; 80 lb N top-dressed using 34-0-0 May 14, 2010.
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 14, 2010
Harvested: August 24, 2010
Pesticide: 3 qt Lariat® pre-plant incorporated; 5 lb Force 3G® at planting.
Fertilizer: 1000 lb lime March 2, 2010; 300 lb 9-15-36 April 6, 2010; 60 units N April 13, 2010, 20 gal 20-10-0 + micronutrients at planting; 100 units N May 26, 2010.
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Uchee, Nansemond, and Eunola
Cooperator: Bobby Ashburn

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

Planted: April 20, 2010
Harvested: August 30, 2010
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® pre-plant incorporated + 5 lb Force 3G® at planting.
Fertilizer: 60-50-70 pre-plant incorporated; 20 gal 20-10-0 + micronutrients at planting; 75 lb N + 9 lb S side-dressed May 25, 2010.
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, 2010
Harvested: September 14, 2010
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® pre-plant incorporated + 5 lb Force 3G® at planting.
Fertilizer: 60-50-70 pre-plant incorporated; 20 gal 20-10-0 + micronutrients at planting + 140 lb N + 17 lb S May 25, 2010 + 70 lb N fertigation June 25, 2009.
Irrigation:

0.7" June 7	0.7" July 13
1.0" June 10	1.0" July 16
1.0" June 18	0.7" July 23
1.0" June 25	0.7" July 27
1.0" July 6	0.7" August 9
1.0" July 8	

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 4, 2010
Harvested: October 18, 2010
Pesticide: 3 qt Lumax® + 1 qt atrazine pre-plant incorporated April 30, 2010.
Fertilizer: 100-110-0 pre-plant incorporated April 30, 2010; 100 lb N side-dressed using 37-0-0-8S June 22, 2010.
Plot Size: 1 row 30' x 30" 4 replications
Soil Type: Davidson silty clay loam
Cooperators: Dave Starner, Steve Gulick, and Alvin Hood

Shenandoah Valley (Waynesboro - Thanks to Kevin Phillips at North Point Farm)

Planted: April 29, 2010
Harvested: September 23, 2010
Pesticide: 1 qt Roundup® + 1.8 qt Lumax® + 1 qt Aatrex® + 1 qt Princep® pre-plant + 5 lb Force 3G® at planting.
Fertilizer: 6000 gal liquid dairy slurry pre-plant + 20 gal 20-10-0 + micronutrients at planting; 40 lb N broadcast with chemicals.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Coursey loam
Cooperators: Tom Stanley and Kevin Phillips

Table 1. 2010 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials.											
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Blacks-burg	Shenan-doah	Mean
<108 Days Relative Maturity											
RPM	RPM 633HXR	C	CB/GU/GY	107	108	103	101	128	117	114	112
DEKALB	DKC57-50(VT3)	PL	CB/GY/RW	107	---	122	102	---	---	101	108
Mid-Atlantic Seeds	MA5055GT3	PL	CB/GU/GY/RW	101	---	110	98	117	---	93	104
Mid-Atlantic Seeds	MA5001GT3	PL	CB/GU/GY/RW	101	---	97	89	134	---	94	104
Mid-Atlantic Seeds	MA5044GT3	PL	CB/GU/GY/RW	101	---	129	88	109	---	85	103
Mid-Atlantic Seeds	MA8010VT3	PL	CB/GY/RW	101	---	107	89	115	---	99	102
AUGUSTA	A5457	C		107	100	97	99	125	101	93	102
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	99	98	104	---	---	---	100
AUGUSTA	A2752GT3	C	CB/GY/GU/RW	102	94	106	94	---	---	---	98
DEKALB	DKC52-59(VT3)	PL	CB/GY/RW	102	---	106	96	---	---	91	98
DEKALB	DKC54-16(VT3)	PL	CB/GY/RW	104	---	96	105	---	---	91	97
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	99	93	91	120	92	86	97
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/	98	88	102	100	109	86	86	95
AUGUSTA	A2847LL	C	GU	97	89	109	84	---	---	---	94
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	---	84	93	121	---	78	94
AUGUSTA	A2854HX	PL	CB/GU	104	91	97	93	---	---	---	93
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	89	71	99	113	87	---	92
AUGUSTA	A2857	C		105	96	81	96	---	---	---	91
AUGUSTA	A2855GT3	C	CB/GY/GU/RW	105	88	106	76	---	---	---	90
AUGUSTA	A2850LL	C	GU	100	98	94	73	---	---	---	88
AUGUSTA	A2851LL	C	GU	101	91	85	77	---	---	---	84
108-111 Days Relative Maturity											
Seed Consultants	SCS 11HR21	C		111	---	117	117	96	96	110	107
DEKALB	DKC61-35(GENVT3P)	A	CB/EW/GY/RW	111	---	116	103	---	---	101	107
NK Brand	N68B-3000GT Brand	C	CB/GU/GY/RW	110	94	118	106	---	---	---	106
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	108	99	117	75	115	121	106
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	108	119	102	101	96	99	104
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	---	94	102	116	---	102	103
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	101	114	103	90	---	107	103
ChannelBio	210-61VT3	PL	CB/GY/RW	110	96	106	104	110	---	98	103
NK Brand	N72Q-3000GT Brand	C	CB/GU/GY/RW	110	---	95	106	---	---	103	102
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	90	113	108	100	---	95	101
DEKALB	DKC58-83(GENVT3P)	A	CB/EW/GY/RW	108	---	118	94	---	---	92	101
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	110	93	112	81	105	101	100
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	119	110	108	56	105	101	100
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	89	127	93	97	98	91	99

Table 1. 2010 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials, continued.											
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Blacks-burg	Shenan-doah	Mean
Dyna-Gro	57V40	PL	CB/GY/RW	111	105	103	101	87	---	---	99
AUGUSTA	A0606CBLL	C	CB/GU	111	---	97	107	73	103	114	99
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	---	103	100	98	94	99	99
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	---	119	92	77	100	100	97
AUGUSTA	A5558VT3	C	CB/GY/RW	108	91	102	95	98	---	---	96
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	82	90	112	68	107	114	96
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	---	113	96	83	95	90	96
Mid-Atlantic Seeds	MA8088VT3	PL	CB/GY/RW	108	---	96	93	101	---	84	94
Doeblers	679GRQ	C	CB/GU/GY/RW	109	97	103	92	93	77	95	93
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	---	91	94	68	93	105	90
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	90	93	95	71	97	94	90
Doeblers	721XY	PL		111	90	79	98	64	103	105	90
Mid-Atlantic Seeds	MA8109VT3Pro	PL	CB/EW/GY/RW	110	---	80	96	76	---	104	89
T.A. Seeds	TA590-00	PL		109	93	103	79	76	77	---	85
112-115 Days Relative Maturity											
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	102	104	105	154	113	123	117
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	117	116	110	---	---	113	114
DEKALB	DKC64-69(GENVT3P)	A	CB/EW/GY/RW	114	118	113	110	---	---	114	114
Dyna-Gro	57V59	PL	CB/GY/RW	113	120	114	98	119	---	---	113
Dyna-Gro	57V21	PL	CB/GY/RW	115	118	100	106	---	---	123	112
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	---	103	99	127	103	117	110
AUGUSTA	A0720CBLL	C	CB/GU	112	106	121	103	---	---	---	110
Mid-Atlantic Seeds	MA8143VT3	PL	CB/GY/RW	114	---	101	107	121	---	107	109
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	110	100	97	129	106	112	109
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	96	103	110	133	102	108	109
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	115	107	105	---	---	107	108
Garst	84J30-3000GT Brand	C	CB/GU/GY/RW	112	---	110	105	---	---	109	108
Mid-Atlantic Seeds	MA8129VT3Pro	PL	CB/EW/GY/RW	112	---	92	113	119	---	107	108
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	---	114	97	103	109	114	107
DEKALB	DKC62-97(GENVT3P)	A	CB/EW/GY/RW	112	---	112	108	---	---	100	107
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	104	109	96	115	101	113	106
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	105	111	107	---	---	102	106
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	---	116	99	128	97	92	106
Dyna-Gro	D52Q90	PL	CB/GY/RW	112	104	113	95	106	---	---	105
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	---	85	104	115	108	106	103
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	97	73	117	113	109	105	103
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	93	100	99	117	104	99	102

Table 1. 2010 RELATIVE YIELD* of corn hybrids entered in three or more locations - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Holland	Mt Holly Dryland	Mt Holly Irrigated	Orange	Blacks-burg	Shenan-doah	Mean
Mid-Atlantic Seeds	MA5158	PL		115	---	92	102	109	---	104	102
NK Brand	N77H-3000GT Brand	C	CB/GU/GY/RW	113	---	100	95	---	---	107	101
T.A. Seeds	TA765-00	PL		115	103	93	106	91	109	---	100
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	111	94	105	91	---	101	100
Mid-Atlantic Seeds	MA8131VT3Pro	PL	CB/EW/GY/RW	113	---	94	97	123	---	86	100
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	94	86	100	113	95	101	98
Seed Consultants	SCS 11RR60	C	GY	115	---	87	99	107	102	94	98
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	104	104	111	69	---	97	97
AUGUSTA	A6365GT	C	GY	115	91	85	91	103	89	97	93
AUGUSTA	A007Q	PH		115	---	83	100	---	86	---	90
>115 Days Relative Maturity											
DEKALB	DKC68-05(GENVT3P)	A	CB/EW/GY/RW	118	109	119	103	---	---	---	110
AUGUSTA	A6867CBLL	C	CB/GU	117	93	116	114	112	107	111	109
ChannelBio	216-63VT3	PL	CB/GY/RW	116	110	---	---	103	---	106	106
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	---	100	100	97	111	107	103
DEKALB	DKC66-96(GENVT3P)	A	CB/EW/GY/RW	116	106	97	104	---	---	---	102
Southern States	SS 818RR2	PH	GY	118	109	83	108	117	---	72	98
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	107	91	104	---	---	87	97
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	97	85	100	106	100	92	96
Mid-Atlantic Seeds	MA5160GT	PL	GY	116	---	95	100	99	---	90	96
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	---	71	101	93	102	102	94
AUGUSTA	A0602	C		119	95	90	91	75	92	89	89
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	---	87	82	85	94	82	86
Seed Consultants	SCS 1200	C		119	---	56	95	25	98	92	73

* 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] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

Table 2. Two-year Average RELATIVE YIELD* (2009-2010) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Number of Obs.[4]	Relative Yield
<108 Days Relative Maturity						
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	6	102
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	7	94
108-111 Days Relative Maturity						
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	7	104
AUGUSTA	A0606CBLL	C	CB/GU	111	9	103
Dyna-Gro	57V40	PL	CB/GY/RW	111	8	102
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	10	100
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	9	97
112-115 Days Relative Maturity						
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	10	111
Dyna-Gro	57V21	PL	CB/GY/RW	115	9	109
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	9	109
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	9	108
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	8	107
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	9	103
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	8	102
Seed Consultants	SCS 11RR60	C	GY	115	9	102
AUGUSTA	A007Q	PH		115	6	100
>115 Days Relative Maturity						
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	9	104
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	9	100
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	9	94

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

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] 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 3. Three-year Average RELATIVE YIELD* (2008-2010) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Number of Obs.[4]	Relative Yield
108-111 Days Relative Maturity						
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	13	107
AUGUSTA	A0606CBLL	C	CB/GU	111	14	104
112-115 Days Relative Maturity						
Dyna-Gro	57V21	PL	CB/GY/RW	115	17	109
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	13	105
AUGUSTA	A007Q	PH		115	10	102

* 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] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] 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 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2010 - Virginia Tech Trials.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
<108 Days Relative Maturity							
RPM	RPM 633HXR	C	CB/GU/GY	107	155	15.9	57.8
AUGUSTA	A5457	C		107	143	15.7	57.8
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	142	14.5	59.0
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	142	14.6	58.9
AUGUSTA	A2850LL	C	GU	100	140	14.5	59.2
AUGUSTA	A2857	C		105	137	15.3	58.4
AUGUSTA	A2752GT3	C	CB/GY/GU/RW	102	135	15.3	58.1
AUGUSTA	A2851LL	C	GU	101	130	14.9	58.6
AUGUSTA	A2854HX	PL	CB/GU	104	130	15.5	57.9
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	128	14.2	59.2
AUGUSTA	A2847LL	C	GU	97	128	14.8	58.5
AUGUSTA	A2855GT3	C	CB/GY/GU/RW	105	127	14.7	58.8
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/RW	98	126	14.5	59.1
			Maturity Average		136	14.9	58.6
			L.S.D. (0.05)		19	0.5	0.5
			C.V.		9	2.0	0.6
108-111 Days Relative Maturity							
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	171	16.9	56.6
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	157	16.3	57.2
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	155	15.4	57.9
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	155	15.5	58.0
Dyna-Gro	57V40	PL	CB/GY/RW	111	150	15.6	57.8
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	145	15.2	58.3
NK Brand	N69L-GT Brand	C	GY	111	141	15.5	58.0
Doeblers	679GRQ	C	CB/GU/GY/RW	109	139	14.4	59.1
ChannelBio	210-61VT3	PL	CB/GY/RW	110	138	15.9	57.6
NK Brand	N68B-3000GT Brand	C	CB/GU/GY/RW	110	135	15.2	58.2
T.A. Seeds	TA590-00	PL		109	133	15.5	58.0
AUGUSTA	A5558VT3	C	CB/GY/RW	108	131	15.7	57.9
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	129	15.3	58.1
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	129	15.6	57.7
Doeblers	721XY	PL		111	129	16.4	57.2
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	128	14.9	58.6
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	118	17.1	56.6
			Maturity Average		140	15.7	57.8
			L.S.D. (0.05)		23	1.0	0.9
			C.V.		11	4.1	1.1
112-115 Days Relative Maturity							
Dyna-Gro	57V59	PL	CB/GY/RW	113	173	15.6	57.8
Dyna-Gro	57V21	PL	CB/GY/RW	115	170	16.1	57.3
DEKALB	DKC64-69(GENVT3P)	A	CB/EW/GY/RW	114	169	16.6	57.0
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	167	15.4	58.0
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	165	15.9	57.7
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	159	16.4	57.2
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	158	16.1	57.4

Table 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2010 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
AUGUSTA	A0720CBLL	C	CB/GU	112	152	16.1	57.4
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	151	15.5	58.0
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	150	16.5	57.0
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	150	16.5	57.1
Dyna-Gro	D52Q90	PL	CB/GY/RW	112	149	15.5	57.8
T.A. Seeds	TA765-00	PL		115	148	16.1	57.6
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	146	16.8	56.9
NK Brand	N78B-GT Brand	C	GY	115	143	15.8	57.7
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	140	16.0	57.5
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	138	15.6	57.9
NK Brand	N77P-3000GT Brand	C	CB/GU/GY/RW	114	138	16.4	57.1
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	134	16.2	57.4
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	133	15.6	58.0
AUGUSTA	A6365GT	C	GY	115	131	16.2	57.3
			Maturity Average		150	16.0	57.5
			L.S.D. (0.05)		25	1.0	0.8
			C.V.		11	4.1	1.0
>115 Days Relative Maturity							
DEKALB	DKC68-05(GENVT3P)	A	CB/EW/GY/RW	118	158	18.0	55.8
ChannelBio	216-63VT3	PL	CB/GY/RW	116	158	16.3	57.3
Southern States	SS 818RR2	PH	GY	118	158	18.1	55.7
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	155	18.2	55.6
DEKALB	DKC66-96(GENVT3P)	A	CB/EW/GY/RW	116	152	16.3	57.3
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	139	16.1	57.4
NK Brand	N78S-CB/LL	C	CB/LL	116	138	16.4	57.2
AUGUSTA	A0602	C		119	137	17.2	56.3
AUGUSTA	A6867CBLL	C	CB/GU	117	134	17.4	56.4
			Maturity Average		147	17.0	56.5
			L.S.D. (0.05)		24	0.9	0.7
			C.V.		11	3.5	0.9
			Location Average		144	15.9	57.7

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted April 14, 2010. Harvested August 24, 2010.

Table 5. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2009 and 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	149	14.6	55.0
108-111 Days Relative Maturity							
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	153	17.1	56.2
Dyna-Gro	57V40	PL	CB/GY/RW	111	148	15.8	55.7
			Maturity Average		150	16.5	56.0
			L.S.D. (0.05)		25	1.9	2.8
			C.V.		9	6.2	3.3
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	164	17.4	58.0
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	148	17.3	57.1
NK Brand	N77P-3000GT Brand	C	CB/GU/GY/RW	114	134	17.9	58.1
			Maturity Average		147	17.6	57.7
			L.S.D. (0.05)		14	0.7	0.7
			C.V.		8	3.4	1.1
			Location Average		149	16.7	56.7

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 6. Three-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA, 2008-2010 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	166	20.0	55.6
NK Brand	N77P-3000GT Brand	C	CB/GU/GY/RW	114	145	19.8	56.2
			Maturity Average		154	19.9	55.9
			L.S.D. (0.05)		10	1.0	0.9
			C.V.		6	4.3	1.6

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 - Virginia Tech Trials.								
				DTM per	Yield[4]	Moist	Test Wt.	Lodge
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu	%
<108 Days Relative Maturity								
Mid-Atlantic Seeds	MA5044GT3	PL	CB/GU/GY/RW	101	111	13.3	59.7	0
DEKALB	DKC57-50(VT3)	PL	CB/GY/RW	107	105	13.2	60.4	1
Mid-Atlantic Seeds	MA5055GT3	PL	CB/GU/GY/RW	101	95	13.1	60.4	0
AUGUSTA	A2847LL	C	GU	97	94	13.1	60.4	0
Mid-Atlantic Seeds	MA8010VT3	PL	CB/GY/RW	101	92	13.0	60.6	3
DEKALB	DKC52-59(VT3)	PL	CB/GY/RW	102	92	13.1	60.1	0
AUGUSTA	A2752GT3	C	CB/GY/GU/RW	102	91	13.1	60.1	0
AUGUSTA	A2855GT3	C	CB/GY/GU/RW	105	91	12.9	60.3	0
RPM	RPM 633HXR	C	CB/GU/GY	107	89	14.7	58.2	0
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/RW	98	88	13.1	60.4	2
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	84	12.9	60.6	0
ChannelBio	201-16VT3P	A	CB/EW/GY/RW	101	84	12.7	60.9	14
AUGUSTA	A5457	C		107	84	13.6	59.4	0
AUGUSTA	A2854HX	PL	CB/GU	104	83	13.1	60.2	0
Mid-Atlantic Seeds	MA5001GT3	PL	CB/GU/GY/RW	101	83	12.8	60.4	0
DEKALB	DKC54-16(VT3)	PL	CB/GY/RW	104	82	12.8	60.5	0
AUGUSTA	A2850LL	C	GU	100	81	12.6	60.9	0
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	80	12.7	60.8	0
AUGUSTA	A2851LL	C	GU	101	73	12.4	61.3	0
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	72	12.1	61.4	0
AUGUSTA	A2857	C		105	69	12.6	60.7	0
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	61	11.9	61.2	0
			Maturity Average		85	12.9	60.5	1
			L.S.D. (0.05)		16	0.6	0.7	6
			C.V.		13	3.4	0.8	---
108-111 Days Relative Maturity								
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	110	13.6	59.5	0
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	103	14.8	58.3	0
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	103	14.4	58.8	0
NK Brand	N68B-3000GT Brand	C	CB/GU/GY/RW	110	102	14.7	58.3	0
DEKALB	DKC58-83(GENVT3P)	A	CB/EW/GY/RW	108	102	13.3	60.3	0
Seed Consultants	SCS 11HR21	C		111	101	15.3	57.4	0
DEKALB	DKC61-35(GENVT3P)	A	CB/EW/GY/RW	111	100	14.1	59.2	0
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	98	14.0	59.4	0
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	98	15.4	57.6	2
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	97	13.9	59.3	0
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	95	16.6	56.5	0
ChannelBio	210-61VT3	PL	CB/GY/RW	110	92	15.1	57.9	0
T.A. Seeds	TA590-00	PL		109	89	13.7	59.5	0
Dyna-Gro	57V40	PL	CB/GY/RW	111	89	13.7	59.6	0
Doeblers	679GRQ	C	CB/GU/GY/RW	109	89	13.1	60.1	1
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	88	13.1	60.2	2
AUGUSTA	A5558VT3	C	CB/GY/RW	108	88	13.6	59.2	0
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	85	13.5	59.4	3
AUGUSTA	A0606CBLL	C	CB/GU	111	84	13.6	59.4	0
Mid-Atlantic Seeds	MA8088VT3	PL	CB/GY/RW	108	83	14.2	58.6	0

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodge %
NK Brand	N72Q-3000GT Brand	C	CB/GU/GY/RW	110	83	14.8	57.6	0
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	81	13.5	59.6	0
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	80	13.9	58.8	0
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	80	13.4	59.8	3
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	79	14.3	58.7	0
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	78	15.0	57.4	0
Garst	84U58-3000GT Brand	C	CB/GU/GY/RW	110	78	13.4	59.7	0
Mid-Atlantic Seeds	MA8109VT3Pro	PL	CB/EW/GY/RW	110	69	12.9	60.1	0
Doeblers	721XY	PL		111	68	14.2	58.0	0
			Maturity Average		89	14.1	59.0	0
			L.S.D. (0.05)		21	1.0	1.1	3
			C.V.		16	4.6	1.3	---
112-115 Days Relative Maturity								
AUGUSTA	A0720CBLL	C	CB/GU	112	104	14.0	59.3	0
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	101	15.1	57.7	0
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	100	16.4	56.6	0
Dyna-Gro	57V59	PL	CB/GY/RW	113	98	13.7	59.5	0
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	98	15.1	57.8	0
DEKALB	DKC64-69(GENVT3P)	A	CB/EW/GY/RW	114	97	15.6	57.2	1
Dyna-Gro	D52Q90	PL	CB/GY/RW	112	97	13.8	59.3	0
DEKALB	DKC62-97(GENVT3P)	A	CB/EW/GY/RW	112	97	13.8	59.2	0
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	95	13.8	59.2	0
Garst	84J30-3000GT Brand	C	CB/GU/GY/RW	112	95	14.2	58.7	0
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	95	16.1	56.9	4
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	93	13.9	59.3	0
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	90	15.6	57.4	0
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	90	15.6	57.3	0
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	89	14.7	58.1	0
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	88	13.8	59.2	0
Mid-Atlantic Seeds	MA8143VT3	PL	CB/GY/RW	114	88	15.9	57.0	0
Dyna-Gro	57V21	PL	CB/GY/RW	115	86	14.2	59.0	0
NK Brand	N77H-3000GT Brand	C	CB/GU/GY/RW	113	86	15.5	57.0	0
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	86	14.2	58.8	0
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	86	14.9	57.9	0
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	83	13.7	59.3	0
Mid-Atlantic Seeds	MA8131VT3Pro	PL	CB/EW/GY/RW	113	81	13.3	59.6	0
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	81	14.6	57.9	0
T.A. Seeds	TA765-00	PL		115	81	14.6	58.1	0
Mid-Atlantic Seeds	MA5158	PL		115	79	15.5	57.0	1
Mid-Atlantic Seeds	MA8129VT3Pro	PL	CB/EW/GY/RW	112	79	14.0	59.0	0
Seed Consultants	SCS 11RR60	C	GY	115	75	14.1	58.4	0
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	74	13.3	59.7	0
AUGUSTA	A6365GT	C	GY	115	73	13.4	59.4	1
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	73	14.9	57.3	0

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodge %
AUGUSTA	A007Q	PH		115	72	13.7	58.7	0
			Maturity Average		88	14.6	57.9	0
			L.S.D. (0.05)		16	0.8	7.0	2
			C.V.		12	3.8	8.7	---
>115 Days Relative Maturity								
DEKALB	DKC68-05(GENVT3P)	A	CB/EW/GY/RW	118	103	17.0	56.0	0
AUGUSTA	A6867CBLL	C	CB/GU	117	101	15.1	58.0	0
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	87	15.7	57.2	0
DEKALB	DKC66-96(GENVT3P)	A	CB/EW/GY/RW	116	84	14.9	57.9	0
Mid-Atlantic Seeds	MA5160GT	PL	GY	116	82	14.3	58.5	0
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	79	16.2	56.0	0
AUGUSTA	A0602	C		119	78	15.7	56.5	0
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	76	15.6	56.7	0
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	73	14.0	58.4	0
Southern States	SS 818RR2	PH	GY	118	72	15.9	56.2	0
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	62	15.9	55.8	0
Seed Consultants	SCS 1200	C		119	48	13.6	57.8	0
			Maturity Average		79	15.3	57.3	0
			L.S.D. (0.05)		16	1.2	1.4	0
			C.V.		13	5.2	1.7	---
			Location Average		87	14.2	58.7	0

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted April 20, 2010. Harvested August 30, 2010.

Table 8. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2009 and 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	112	14.2	56.2
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	98	13.3	56.4
			Maturity Average		105	13.8	56.3
			L.S.D. (0.05)		18	1.0	2.3
			C.V.		13	5.4	3.1
108-111 Days Relative Maturity							
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	127	16.7	59.1
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	126	15.1	57.7
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	124	17.8	57.4
AUGUSTA	A0606CBLL	C	CB/GU	111	123	15.4	58.3
Dyna-Gro	57V40	PL	CB/GY/RW	111	120	15.5	58.3
			Maturity Average		124	16.0	58.2
			L.S.D. (0.05)		28	1.1	1.5
			C.V.		19	6.0	2.3
112-115 Days Relative Maturity							
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	128	17.7	58.9
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	127	15.8	58.1
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	126	16.1	56.2
Dyna-Gro	57V21	PL	CB/GY/RW	115	124	17.5	59.4
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	123	17.0	57.6
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	111	16.9	56.4
Seed Consultants	SCS 11RR60	C	GY	115	110	15.4	57.0
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	110	14.4	55.6
AUGUSTA	A007Q	PH		115	107	15.5	57.9
			Maturity Average		118	16.3	57.5
			L.S.D. (0.05)		24	0.8	1.1
			C.V.		18	4.3	1.8
>115 Days Relative Maturity							
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	114	16.8	57.3
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	108	17.8	58.3
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	104	16.5	55.8
			Maturity Average		109	17.0	57.1
			L.S.D. (0.05)		24	0.8	0.7
			C.V.		18	3.8	1.0
			Location Average		117	16.1	57.4

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 9. Three-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2008-2010 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	137	15.9	56.2
AUGUSTA	A0606CBLL	C	CB/GU	111	134	16.2	57.0
			Maturity Average		136	16.0	56.6
			L.S.D. (0.05)		10	0.5	0.8
			C.V.		7	2.9	1.3
112-115 Days Relative Maturity							
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	137	16.6	57.5
Dyna-Gro	57V21	PL	CB/GY/RW	115	135	18.4	57.1
AUGUSTA	A007Q	PH		115	122	16.3	57.0
			Maturity Average		132	17.1	57.2
			L.S.D. (0.05)		17	0.8	1.1
			C.V.		15	5.4	2.2
			Location Average		133	16.7	57.0

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] 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 2010 - Virginia Tech Trials.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
<108 Days Relative Maturity							
DEKALB	DKC54-16(VT3)	PL	CB/GY/RW	104	236	14.2	60.6
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	233	14.3	60.0
DEKALB	DKC57-50(VT3)	PL	CB/GY/RW	107	229	14.4	59.9
RPM	RPM 633HXR	C	CB/GU/GY	107	227	14.7	59.4
ChannelBio	201-16VT3P	A	CB/EW/GY/RW	101	227	14.3	60.7
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/R	98	223	14.2	60.8
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	223	14.3	60.3
AUGUSTA	A5457	C		107	221	14.8	59.6
Mid-Atlantic Seeds	MA5055GT3	PL	CB/GU/GY/RW	101	219	14.1	60.5
DEKALB	DKC52-59(VT3)	PL	CB/GY/RW	102	216	14.3	60.5
AUGUSTA	A2857	C		105	214	14.3	60.5
AUGUSTA	A2752GT3	C	CB/GY/GU/RW	102	212	14.3	60.5
AUGUSTA	A2854HX	PL	CB/GU	104	208	14.7	59.2
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	207	14.4	60.5
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	205	14.2	61.0
Mid-Atlantic Seeds	MA5001GT3	PL	CB/GU/GY/RW	101	200	14.3	60.8
Mid-Atlantic Seeds	MA8010VT3	PL	CB/GY/RW	101	199	14.1	60.6
Mid-Atlantic Seeds	MA5044GT3	PL	CB/GU/GY/RW	101	197	14.3	60.3
AUGUSTA	A2847LL	C	GU	97	189	14.3	60.3
AUGUSTA	A2851LL	C	GU	101	174	14.1	60.7
AUGUSTA	A2855GT3	C	CB/GY/GU/RW	105	169	14.3	60.5
AUGUSTA	A2850LL	C	GU	100	164	14.1	60.7
			Maturity Average		208	14.3	60.3
			L.S.D. (0.05)		20	0.4	0.8
			C.V.		6	1.8	0.8
108-111 Days Relative Maturity							
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	262	15.0	58.8
Seed Consultants	SCS 11HR21	C		111	262	14.5	59.6
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	252	15.3	58.8
Garst	84U58-3000GT Brand	C	CB/GU/GY/RW	110	252	15.3	58.6
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	252	14.8	59.3
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	243	15.6	58.2
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	242	15.3	58.6
AUGUSTA	A0606CBLL	C	CB/GU	111	239	15.4	58.4
NK Brand	N72Q-3000GT Brand	C	CB/GU/GY/RW	110	238	16.0	57.4
NK Brand	N68B-3000GT Brand	C	CB/GU/GY/RW	110	237	15.0	59.2
ChannelBio	210-61VT3	PL	CB/GY/RW	110	233	15.4	58.3
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	232	15.1	58.9
DEKALB	DKC61-35(GENVT3P)	A	CB/EW/GY/RW	111	232	14.5	59.8
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	229	14.5	59.9
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	228	15.4	58.6

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
Dyna-Gro	57V40	PL	CB/GY/RW	111	227	15.3	58.8
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	223	14.6	60.1
Doeblers	721XY	PL		111	219	15.4	58.6
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	216	15.5	58.6
Mid-Atlantic Seeds	MA8109VT3Pro	PL	CB/EW/GY/RW	110	215	14.7	59.5
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	214	14.8	59.2
AUGUSTA	A5558VT3	C	CB/GY/RW	108	213	14.5	59.9
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	211	14.6	59.9
DEKALB	DKC58-83(GENVT3P)	A	CB/EW/GY/RW	108	210	14.3	60.1
Mid-Atlantic Seeds	MA8088VT3	PL	CB/GY/RW	108	209	14.5	60.0
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	209	14.6	59.5
Doeblers	679GRQ	C	CB/GU/GY/RW	109	206	15.2	59.1
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	205	14.9	59.2
T.A. Seeds	TA590-00	PL		109	178	14.4	60.0
			Maturity Average		227	15.0	59.1
			L.S.D. (0.05)		23	0.7	1.1
			C.V.		7	2.9	1.2
112-115 Days Relative Maturity							
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	262	15.7	58.2
Mid-Atlantic Seeds	MA8129VT3Pro	PL	CB/EW/GY/RW	112	253	15.8	58.3
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	249	14.9	59.3
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	247	15.1	58.7
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	247	15.3	58.7
DEKALB	DKC64-69(GENVT3P)	A	CB/EW/GY/RW	114	246	15.8	58.1
DEKALB	DKC62-97(GENVT3P)	A	CB/EW/GY/RW	112	243	15.2	58.6
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	241	14.6	59.6
Mid-Atlantic Seeds	MA8143VT3	PL	CB/GY/RW	114	241	15.8	58.0
T.A. Seeds	TA765-00	PL		115	238	15.5	58.4
Dyna-Gro	57V21	PL	CB/GY/RW	115	237	16.1	57.8
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	236	15.8	57.8
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	235	15.6	58.2
Garst	84J30-3000GT Brand	C	CB/GU/GY/RW	112	235	15.1	58.9
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	235	14.8	59.3
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	232	15.6	58.5
AUGUSTA	A0720CBLL	C	CB/GU	112	230	16.0	58.1
Mid-Atlantic Seeds	MA5158	PL		115	229	15.3	58.8
AUGUSTA	A007Q	PH		115	225	15.0	58.9
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	223	15.4	58.6
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	223	15.7	58.3
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	222	16.7	56.9
Seed Consultants	SCS 11RR60	C	GY	115	221	15.1	59.0
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	221	15.6	58.3
Dyna-Gro	57V59	PL	CB/GY/RW	113	219	14.7	59.2
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	218	15.3	58.7
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	217	15.4	58.6
Mid-Atlantic Seeds	MA8131VT3Pro	PL	CB/EW/GY/RW	113	217	14.6	59.8
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	216	15.5	58.5

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2010 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
Dyna-Gro	D52Q90	PL	CB/GY/RW	112	214	15.2	58.7
NK Brand	N77H-3000GT Brand	C	CB/GU/GY/RW	113	212	15.6	58.2
AUGUSTA	A6365GT	C	GY	115	205	15.4	58.6
			Maturity Average		232	15.5	58.5
			L.S.D. (0.05)		29	0.5	0.7
			C.V.		8	2.3	0.8
>115 Days Relative Maturity							
AUGUSTA	A6867CBLL	C	CB/GU	117	255	15.9	58.0
Southern States	SS 818RR2	PH	GY	118	243	16.2	57.5
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	234	15.7	58.1
DEKALB	DKC66-96(GENVT3P)	A	CB/EW/GY/RW	116	233	15.5	58.5
DEKALB	DKC68-05(GENVT3P)	A	CB/EW/GY/RW	118	230	17.0	56.8
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	227	15.8	57.9
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	225	15.7	58.1
Mid-Atlantic Seeds	MA5160GT	PL	GY	116	224	15.8	57.9
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	224	16.8	57.0
Seed Consultants	SCS 1200	C		119	212	16.3	57.4
AUGUSTA	A0602	C		119	205	16.2	57.4
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	184	16.0	57.9
			Maturity Average		225	16.1	57.7
			L.S.D. (0.05)		20	0.5	0.6
			C.V.		6	1.9	0.6
			Location Average		224	15.1	59.0

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted April 21, 2010. Harvested September 14, 2010.

Table 11. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2009 and 2010 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
AUGUSTA	A2852GTCBLL	C	CB/GU/GY	102	246	14.8	55.5
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	231	14.8	55.8
			Maturity Average		238	14.8	55.7
			L.S.D. (0.05)		30	0.3	0.9
			C.V.		8	1.3	1.0
108-111 Days Relative Maturity							
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	255	16.2	56.9
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	250	16.3	56.1
AUGUSTA	A0606CBLL	C	CB/GU	111	248	16.2	56.9
Dyna-Gro	57V40	PL	CB/GY/RW	111	242	16.2	57.7
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	240	16.0	57.4
			Maturity Average		247	16.2	57.1
			L.S.D. (0.05)		19	0.5	0.9
			C.V.		7	2.7	1.5
112-115 Days Relative Maturity							
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	262	16.6	58.0
AUGUSTA	A007Q	PH		115	260	17.0	58.3
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	258	16.7	58.3
Seed Consultants	SCS 11RR60	C	GY	115	254	16.5	58.0
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	248	16.9	57.6
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	248	15.9	57.1
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	245	18.9	58.4
Dyna-Gro	57V21	PL	CB/GY/RW	115	241	17.5	58.2
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	231	16.8	57.4
			Maturity Average		249	17.0	57.9
			L.S.D. (0.05)		28	0.6	0.8
			C.V.		11	3.4	1.3
>115 Days Relative Maturity							
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	246	16.7	57.7
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	242	18.2	59.0
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	204	17.3	58.0
			Maturity Average		232	17.4	58.2
			L.S.D. (0.05)		48	0.4	0.6
			C.V.		16	2.0	0.8
			Location Average		245	16.6	57.5

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] 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, 2008-2010 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	245	17.6	54.8
AUGUSTA	A0606CBLL	C	CB/GU	111	243	17.5	55.5
			Maturity Average		244	17.5	55.2
			L.S.D. (0.05)		19	0.4	0.8
			C.V.		8	2.1	1.4
112-115 Days Relative Maturity							
AUGUSTA	A007Q	PH		115	248	18.2	56.9
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	241	18.1	56.9
Dyna-Gro	57V21	PL	CB/GY/RW	115	235	19.0	55.5
			Maturity Average		241	18.4	56.4
			L.S.D. (0.05)		11	1.2	1.2
			C.V.		5	7.1	2.4
			Location Average		242	18.1	55.9

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 13. Corn Yields at North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
RPM	RPM 633HXR	C	CB/GU/GY	107	172	15.1	58.6
DEKALB	DKC57-50(VT3)	PL	CB/GY/RW	107	153	14.0	60.2
Mid-Atlantic Seeds	MA8010VT3	PL	CB/GY/RW	101	149	13.5	61.7
Mid-Atlantic Seeds	MA5001GT3	PL	CB/GU/GY/RW	101	142	13.9	60.4
Mid-Atlantic Seeds	MA5055GT3	PL	CB/GU/GY/RW	101	140	13.8	60.7
AUGUSTA	A5457	C		107	140	13.9	60.3
DEKALB	DKC54-16(VT3)	PL	CB/GY/RW	104	138	13.8	60.7
DEKALB	DKC52-59(VT3)	PL	CB/GY/RW	102	137	13.5	61.6
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/R	98	130	13.5	61.8
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	130	13.7	61.1
Mid-Atlantic Seeds	MA5044GT3	PL	CB/GU/GY/RW	101	128	13.6	61.1
T.A. Seeds	TA565-18	PL	GY	106	120	13.6	61.0
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	118	13.8	60.4
			Maturity Average		138	13.8	60.8
			L.S.D. (0.05)		20	0.2	0.5
			C.V.		10	1.0	0.6
108-111 Days Relative Maturity							
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	183	14.8	58.7
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	173	15.5	58.0
AUGUSTA	A0606CBLL	C	CB/GU	111	173	15.0	58.8
Seed Consultants	SCS 11HR21	C		111	166	14.7	59.2
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	161	15.3	58.1
Doeblers	721XY	PL		111	158	14.8	59.1
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	158	14.5	59.4
Mid-Atlantic Seeds	MA8109VT3Pro	PL	CB/EW/GY/RW	110	157	15.4	58.3
NK Brand	N72Q-3000GT Brand	C	CB/GU/GY/RW	110	156	15.2	58.1
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	154	14.9	58.5
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	153	14.9	58.8
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	153	15.0	58.7
DEKALB	DKC61-35(GENVT3P)	A	CB/EW/GY/RW	111	153	14.5	59.0
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	151	14.9	58.6
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	150	14.8	58.7
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	149	14.2	59.8
ChannelBio	210-61VT3	PL	CB/GY/RW	110	149	15.6	57.8
T.A. Seeds	TA688-20	PL	CB/GU/GY/RW	111	146	14.2	59.8
Doeblers	679GRQ	C	CB/GU/GY/RW	109	144	14.4	59.4
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	144	14.8	58.9
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	142	14.7	58.9
DEKALB	DKC58-83(GENVT3P)	A	CB/EW/GY/RW	108	138	14.0	60.6
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	137	14.8	59.0
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	136	15.0	58.8
Mid-Atlantic Seeds	MA8088VT3	PL	CB/GY/RW	108	127	14.1	59.9
			Maturity Average		152	14.8	58.9
			L.S.D. (0.05)		20	0.5	0.7
			C.V.		9	2.5	0.9

Table 13. Corn Yields at North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2010 - Virginia Tech Trials, continued.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	187	16.7	56.7
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	186	15.3	58.4
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	178	16.5	56.9
Garst	83R38-3000GT Brand	C	CB/GU/GY/RW	113	176	16.2	57.3
NK Brand	N74R-3000GT Brand	C	CB/GU/GY/RW	112	174	15.8	57.7
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	173	15.8	57.5
DEKALB	DKC64-69(GENVT3P)	A	CB/EW/GY/RW	114	173	15.3	58.2
DEKALB	DKC63-84(VT3)	PL	CB/GY/RW	113	171	15.7	57.6
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	170	15.8	57.6
Bio Gene	BG 83V08	PL	CB/GY/RW	113	170	16.3	57.0
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	169	16.1	57.5
Garst	84J30-3000GT Brand	C	CB/GU/GY/RW	112	165	15.0	58.6
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	164	15.5	58.1
NK Brand	N77H-3000GT Brand	C	CB/GU/GY/RW	113	163	16.4	56.9
Mid-Atlantic Seeds	MA8143VT3	PL	CB/GY/RW	114	162	15.4	58.3
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	161	14.6	59.2
Mid-Atlantic Seeds	MA8129VT3Pro	PL	CB/EW/GY/RW	112	161	14.3	59.8
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	161	15.0	58.6
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	159	14.8	58.8
Mid-Atlantic Seeds	MA5158	PL		115	157	14.6	59.3
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	154	14.4	59.6
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	153	15.0	58.5
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	152	15.2	58.3
DEKALB	DKC62-97(GENVT3P)	A	CB/EW/GY/RW	112	151	15.5	57.9
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	150	15.3	58.2
AUGUSTA	A6365GT	C	GY	115	146	15.0	58.6
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	146	14.4	59.3
Bio Gene	BG 85W11	PL	CB/GY/RW	115	145	14.5	59.2
Seed Consultants	SCS 11RR60	C	GY	115	142	14.3	59.9
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	139	15.7	57.8
Bio Gene	BG 83W10	PL	CB/GY/RW	113	133	14.6	59.2
Bio Gene	BG 84V10	PL	CB/GY/RW	114	131	14.6	59.1
Mid-Atlantic Seeds	MA8131VT3Pro	PL	CB/EW/GY/RW	113	131	14.7	58.8
			Maturity Average		159	15.3	58.3
			L.S.D. (0.05)		23	0.5	0.6
			C.V.		10	2.4	0.7
>115 Days Relative Maturity							
AUGUSTA	A6867CBLL	C	CB/GU	117	168	16.0	57.2
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	162	15.8	57.5
ChannelBio	216-63VT3	PL	CB/GY/RW	116	160	15.5	57.9
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	154	16.3	57.1
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	145	16.3	57.1
Seed Consultants	SCS 1200	C		119	139	15.0	58.4
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	139	15.3	58.3
Mid-Atlantic Seeds	MA5160GT	PL	GY	116	136	14.9	58.6

Table 13. Corn Yields at North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2010 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	**Hybrid**	**IST[1]**	**GT[2]**	**Co.[3]**	**bu/A**	**%**	**lb/bu**
AUGUSTA	A0602	C		119	134	14.9	58.4
Dyna-Gro	V5683VT3	PL	CB/GY/RW	116	132	16.5	56.6
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	125	15.3	58.2
Southern States	SS 818RR2	PH	GY	118	109	14.5	59.0
			Maturity Average		142	15.5	57.9
			L.S.D. (0.05)		25	0.7	0.8
			C.V.		12	3.2	1.0
			Location Average		151	14.9	58.8

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted April 29, 2010. Harvested September 23, 2010.

Table 14. Two-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA in 2009 and 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
AUGUSTA	A0606CBLL	C	CB/GU	111	192	15.8	56.6
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	176	15.6	56.7
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	168	15.8	56.6
			Maturity Average		179	15.7	56.6
			L.S.D. (0.05)		18	0.7	1.5
			C.V.		9	3.7	2.4
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	204	17.3	57.0
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	202	16.8	56.2
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	195	16.3	57.2
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	189	16.1	57.8
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	188	16.1	57.7
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	180	15.3	57.3
Seed Consultants	SCS 11RR60	C	GY	115	174	16.1	58.6
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	171	16.3	56.8
			Maturity Average		188	16.3	57.3
			L.S.D. (0.05)		12	0.6	1.1
			C.V.		6	3.6	1.8
>115 Days Relative Maturity							
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	191	16.7	57.3
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	187	17.2	57.1
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	174	16.4	55.6
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	171	16.4	57.7
			Maturity Average		181	16.7	56.9
			L.S.D. (0.05)		20	0.7	1.0
			C.V.		10	3.7	1.7
			Location Average		184	16.3	57.1

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 15. Three-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA, 2008-2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
AUGUSTA	A0606CBLL	C	CB/GU	111	173	15.6	52.0
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	189	18.3	55.8
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	175	17.0	56.8
			Maturity Average		181	17.6	56.4
			L.S.D. (0.05)		8	0.9	1.7
			C.V.		4	5.1	3.0
			Location Average		179	17.0	54.9

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 16. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
RPM	RPM 633HXR	C	CB/GU/GY	107	223	15.9	58.4
AUGUSTA	A5457	C		107	193	15.6	58.6
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	176	14.8	59.9
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	166	15.0	59.5
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/R	98	165	14.8	59.9
			Maturity Average		184	15.2	59.3
			L.S.D. (0.05)		27	0.2	0.4
			C.V.		9	0.8	0.4
108-111 Days Relative Maturity							
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	221	16.2	57.7
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	204	16.8	57.4
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	202	16.7	57.3
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	201	15.8	58.5
Doeblers	721XY	PL		111	197	17.0	57.1
AUGUSTA	A0606CBLL	C	CB/GU	111	197	16.7	57.3
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	192	17.0	56.8
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	188	15.9	58.2
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	186	16.1	58.0
Seed Consultants	SCS 11HR21	C		111	184	16.3	57.8
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	184	15.4	58.9
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	182	16.6	57.6
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	180	16.0	58.2
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	178	15.8	58.6
Doeblers	679GRQ	C	CB/GU/GY/RW	109	148	15.7	58.5
T.A. Seeds	TA590-00	PL		109	147	15.3	59.2
			Maturity Average		187	16.2	58.0
			L.S.D. (0.05)		16	0.5	0.7
			C.V.		6	2.2	0.8
112-115 Days Relative Maturity							
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	216	16.6	57.3
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	209	16.9	57.0
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	208	16.9	57.0
T.A. Seeds	TA765-00	PL		115	208	16.9	57.4
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	206	16.7	57.5
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	203	16.7	57.5
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	199	16.8	57.3
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	197	17.2	56.8
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	196	16.1	58.2
Seed Consultants	SCS 11RR60	C	GY	115	196	16.1	58.2
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	194	16.5	57.5
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	186	17.1	57.0

Table 16. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2010 - Virginia Tech Trials, continued.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	182	16.8	57.3
AUGUSTA	A6365GT	C	GY	115	171	16.4	57.6
AUGUSTA	A007Q	PH		115	164	16.5	57.6
			Maturity Average		197	16.7	57.4
			L.S.D. (0.05)		20	0.7	0.7
			C.V.		7	2.9	0.9
>115 Days Relative Maturity							
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	212	17.1	56.9
AUGUSTA	A6867CBLL	C	CB/GU	117	205	17.9	56.2
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	196	17.8	56.2
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	191	17.7	56.2
Seed Consultants	SCS 1200	C		119	188	17.0	56.9
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	179	16.8	57.3
AUGUSTA	A0602	C		119	176	17.1	56.8
			Maturity Average		192	17.3	56.6
			L.S.D. (0.05)		22	0.6	0.6
			C.V.		7	2.2	0.7
			Location Average		191	16.5	57.7

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted May 5, 2010. Harvested October 5, 2010.

Table 17. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2009 and 2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
AUGUSTA	A0606CBLL	C	CB/GU	111	191	17.3	57.3
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	172	16.6	55.1
			Maturity Average		181	16.9	56.1
			L.S.D. (0.05)		15	0.5	1.0
			C.V.		6	2.4	1.3
112-115 Days Relative Maturity							
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	193	17.5	57.7
Seed Consultants	SCS 11RR60	C	GY	115	185	17.2	57.6
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	177	17.7	57.2
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	175	17.3	56.7
AUGUSTA	A007Q	PH		115	175	18.3	58.6
			Maturity Average		182	17.6	57.6
			L.S.D. (0.05)		16	0.7	1.1
			C.V.		8	3.8	1.8
>115 Days Relative Maturity							
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	198	17.7	57.3
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	189	19.2	58.0
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	177	18.0	58.0
			Maturity Average		188	18.2	57.8
			L.S.D. (0.05)		10	0.7	0.9
			C.V.		4	3.0	1.2
			Location Average		183	17.7	57.4

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Table 18. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2008-2010 - Virginia Tech Trials.							
Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
AUGUSTA	A0606CBLL	C	CB/GU	111	185	19.1	55.1
112-115 Days Relative Maturity							
AUGUSTA	A007Q	PH		115	170	20.6	57.0
			Location Average		177	19.8	56.0
[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.							
[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.							
[3] Days to maturity provided by company; differences in maturity rating methods may exist between companies.							
[4] Reported at 15.5% moisture.							

Table 19. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2010 - Virginia Tech Trials.								
				DTM per	Yield[4]	Moist	Days to	Ear Ht
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	Silk	inches
<108 Days Relative Maturity								
Mid-Atlantic Seeds	MA5001GT3	PL	CB/GU/GY/RW	101	67	12.5	69	33
RPM	RPM 633HXR	C	CB/GU/GY	107	64	12.9	70	34
AUGUSTA	A5457	C		107	62	12.8	72	35
Mid-Atlantic Seeds	MA8009VT3	PL	CB/GY/RW	100	60	12.8	71	33
Hubner Seed	H5222VT3	PL	CB/GY/RW	101	60	12.2	69	25
Mid-Atlantic Seeds	MA5055GT3	PL	CB/GU/GY/RW	101	59	12.5	70	33
Mid-Atlantic Seeds	MA8010VT3	PL	CB/GY/RW	101	57	12.4	69	32
T.A. Seeds	TA525-13V	PL	CB/GY/RW	102	57	13.0	72	33
Mid-Atlantic Seeds	MA5044GT3	PL	CB/GU/GY/RW	101	55	12.4	71	34
Hubner Seed	H6110GENSS	PL	CB/EW/GU/GY/RW	98	54	12.7	69	32
			Maturity Average		60	12.6	70	32
			L.S.D. (0.05)		12	0.5	3	7
			C.V.		13	2.5	3	15
108-111 Days Relative Maturity								
Mid-Atlantic Seeds	MA8096VT3	PL	CB/GY/RW	109	58	12.9	73	32
ChannelBio	210-61VT3	PL	CB/GY/RW	110	55	13.1	73	32
Mid-Atlantic Seeds	MA8088VT3	PL	CB/GY/RW	108	50	13.1	74	32
Hubner Seed	H5505VT3P	PL	CB/EW/GY/RW	111	50	13.0	71	33
AUGUSTA	A5460GT3	C	CB/GU/GY/RW	110	50	13.1	72	33
Seed Consultants	SC 10AQ91A	C	CB/GU/GY/RW	108	49	13.2	72	36
AUGUSTA	A5558VT3	C	CB/GY/RW	108	49	12.5	73	32
Hubner Seed	H5451VT3	PL	CB/GY/RW	109	48	12.6	71	33
Seed Consultants	SCS 11HR21	C		111	48	13.0	74	33
Doeblers	679GRQ	C	CB/GU/GY/RW	109	46	12.9	73	35
ChannelBio	211-99VT3P	A	CB/EW/GY/RW	111	45	12.8	73	32
Dyna-Gro	57V40	PL	CB/GY/RW	111	43	12.9	75	30
Seed Consultants	SCS 11HQ00	C	CB/GU/GY/RW	109	41	13.3	73	33
T.A. Seeds	TA657-13VP	PL	CB/EW/GY/RW	111	40	13.1	74	33
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	38	12.8	72	32
Mid-Atlantic Seeds	MA8109VT3Pro	PL	CB/EW/GY/RW	110	38	13.0	74	32
T.A. Seeds	TA590-00	PL		109	38	12.7	72	35
AUGUSTA	A5461GTCBLL	C	CB/GU/GY	111	37	13.0	73	34
AUGUSTA	A0606CBLL	C	CB/GU	111	36	13.2	74	34
Hubner Seed	H5555VT3	PL	CB/GY/RW	111	36	12.7	71	31
Seed Consultants	SCS 1081	C	CB/GU/GY/RW	109	34	12.7	73	34
RPM	RPM 725HRQ	C	CB/GU/GY/RW	111	34	12.6	72	33
Doeblers	721XY	PL		111	32	12.6	73	34
AUGUSTA	A5337EVT3	C	CB/GY/RW	111	28	13.3	73	33
			Maturity Average		42	12.9	73	33
			L.S.D. (0.05)		12	0.4	4	3
			C.V.		19	2.4	3	6
112-115 Days Relative Maturity								
Hubner Seed	H5707VT3	PL	CB/GY/RW	114	77	13.2	70	33
Hubner Seed	H5753VT3	PL	CB/GY/RW	112	66	12.9	70	35

Table 19. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2010 - Virginia Tech Trials, continued.								
				DTM per	Yield[4]	Moist	Days to	Ear Ht
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	Silk	inches
Hubner Seed	H5909VT3P	PL	CB/EW/GY/RW	115	64	13.2	70	33
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	64	12.7	72	34
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	64	13.3	74	33
Mid-Atlantic Seeds	MA8131VT3Pro	PL	CB/EW/GY/RW	113	61	12.4	70	35
Mid-Atlantic Seeds	MA8143VT3	PL	CB/GY/RW	114	60	13.6	71	34
Mid-Atlantic Seeds	MA8129VT3Pro	PL	CB/EW/GY/RW	112	60	13.3	70	33
Dyna-Gro	57V59	PL	CB/GY/RW	113	59	12.9	71	32
T.A. Seeds	TA717-20	PL	CB/GU/GY/RW	114	58	13.1	73	35
T.A. Seeds	TA778-13V	PL	CB/GY/RW	115	58	13.1	70	34
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	57	12.9	71	35
AUGUSTA	A5462GT3	C	CB/GU/GY/RW	112	57	13.1	71	35
AUGUSTA	A6164GT3	C	CB/GU/GY/RW	114	57	13.2	73	35
Mid-Atlantic Seeds	MA5158	PL		115	55	12.9	74	37
Seed Consultants	SCS 11RR60	C	GY	115	53	12.8	72	32
Dyna-Gro	D52Q90	PL	CB/GY/RW	112	53	13.0	73	34
Seed Consultants	SC 11AGT30	C	CB/GU/GY	112	52	13.4	72	36
AUGUSTA	A6365GT	C	GY	115	51	13.0	72	33
ChannelBio	214-14VT3P	A	CB/EW/GY/RW	114	45	12.9	73	32
T.A. Seeds	TA765-00	PL		115	45	13.0	74	35
Southern States	SS 749 VT3Pro	PH	CB/EW/GY/RW	115	34	13.1	74	33
			Maturity Average		57	13.0	72	34
			L.S.D. (0.05)		11	0.4	3	3
			C.V.		14	2.1	3	6
>115 Days Relative Maturity								
Southern States	SS 818RR2	PH	GY	118	58	13.6	75	35
AUGUSTA	A6867CBLL	C	CB/GU	117	56	13.5	73	36
AUGUSTA	A6166GTCBLL	C	CB/GU/GY	116	53	13.7	71	36
ChannelBio	216-63VT3	PL	CB/GY/RW	116	51	12.9	74	35
Mid-Atlantic Seeds	MA5160GT	PL	GY	116	49	13.3	74	36
Seed Consultants	SCS 11VTT79	C	CB/GY/RW	117	48	12.8	73	34
Seed Consultants	SCS 11HR70	C	CB/GU/GY	117	46	13.0	74	34
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	43	13.3	71	35
AUGUSTA	A0602	C		119	38	13.3	73	36
Seed Consultants	SCS 1200	C		119	13	12.9	73	34
			Maturity Average		45	13.2	73	35
			L.S.D. (0.05)		9	0.6	3	2
			C.V.		14	2.9	3	5
			Location Average		50	13.0	72	34

[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®, A = Acceleron 250®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm, Herculex™ root worm, Agrisure® root worm, or YieldGard® root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

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

[4] Reported at 15.5% moisture.

Planted May 4, 2010. Harvested October 18, 2010.