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VIRGINIA STATE

VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2009

Coordinators of Virginia Corn Hybrid Trials in 2009

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Dave Starner, Superintendent, Northern Piedmont Agricultural Research and Extension Center
Jon Wooge, Agricultural Program Coordinator, College Farm, Virginia Tech

Companies Participating in the 2009 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Crop Production Services	Dyna-Gro	PO Box 1467 Galesburg, IL 61402
Doebler's PA Hybrids, Inc	Doebler's and RPM	202 Tiadaghton Ave Jersey Shore, PA 17740
Hubner Seed Co	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	NK Seeds and Garst	PO Box 959 Minneapolis, MN 55440
T.A. Seeds LLC	T.A. Seeds	39 Seeds Lane Jersey Shore, PA 17740
Trisler Seeds, Inc	Trisler	3274 E 800 North Rd, Fairmount, IL 61841

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 seven locations in Virginia in 2009. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All locations were planted with a Wintersteiger PlotKing 2600. All locations were harvested with a Massey-Ferguson 8XP plot combine. Yields have been adjusted to 15.5% moisture. Grain test weight, moisture, and plot grain weights were measured with a GrainGauge® manufactured by HarvestMaster. A list of 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 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.

2009 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm

Planted: May 19, 2009
Harvested: October 26, 2009
Pesticide: 4 lb Force 3G® at planting; Python® at 1 oz + simazine at 1 lb + Bicep II Mag® at 2 qt + Gly-4 Plus® at 2 qt May 8, 2009 preplant incorporated; 0.75 oz Impact® + 2.67 oz Permit® + 0.75 lb Atrazine® + 1% COC + 2% UAN June 25, 2009.
Fertilizer: 30-60-60 preplant incorporated May 14, 2009; 17 gal 20-10-0 + micronutrients at planting.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Hayter
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center

Planted: April 25, 2009
Harvested: September 3, 2009
Pesticide: 4 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 7 oz Callisto® + 2 qt atrazine 4L April 28, 2009.
Fertilizer: 1000 lb 10-10-10 preplant incorporated April 17, 2009; 17 gal 20-10-0 + micronutrients at planting; 80 lb N topdressed using 34-0-0 May 28, 2009.
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 24, 2009
Harvested: September 3-4, 2009
Pesticide: 2 qt Intro® + 1 qt Aatrex 4L® preplant incorporated; 4 lb Force 3G® at planting; 0.75 oz Accent® + 0.5 pt Aatrex 4L® May 20, 2009.
Fertilizer: 300 lb 9-15-36 April 14, 2009; 60 units N April 21, 2009, 17 gal 20-10-0 + micronutrients at planting; 90 units N May 26, 2009.
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Eunola, Dragston and Reins
Cooperator: Bobby Ashburn

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

Planted: April 28, 2009
Harvested: September 24-25, 2009
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® preplant incorporated + 4 lb Force 3G® at planting.
Fertilizer: 60-40-60 preplant incorporated; 17 gal 20-10-0 + micronutrients at planting; 75 lb N + 9 lb S sidedressed June 2, 2009.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: State fine sandy loam
Cooperator: Bruce Beahm

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

Planted: April 29, 2009
Harvested: September 21-23, 2009
Pesticide: 5.5 pt Lumax® + 1.5 pt atrazine + 1.5 pt Princep® preplant incorporated + 4 lb Force 3G® at planting.
Fertilizer: 60-40-70 preplant incorporated; 17 gal 20-10-0 + micronutrients at planting + 80 lb N fertigation June 8 + 70 lb N fertigation June 25, 2009.
Irrigation:

0.25" June 8	1.0" July 6
0.45" June 25	1.0" July 9
0.6" June 26	0.8" July 17
1.0" June 30	0.8" August 13

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

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

Planted: May 13, 2009
Harvested: October 30, 2009
Pesticide: 1.2 qt Roundup® + 2.8 qt Harness Extra® + 1 qt Princep® preplant + 4 lb Force 3G® at planting.
Fertilizer: 1.5 tons poultry litter preplant + 17 gal 20-10-0 + micronutrients at planting; 40 lb N sidedressed.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Coursey loam
Cooperators: Brian Jones and Kevin Phillips

Table 1. 2009 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	Black-stone	Blacks-burg	Shenan-doah	Mean
<108 Days Relative Maturity											
Mid-Atlantic	MA5085	PL		106	105	113	107	---	---	---	108
Augusta Seed	A28-52GTCBLL	PL	CB/GU/GY	102	119	95	101	---	---	---	105
Augusta Seed	A5337EVT3	PL	CB/GY/RW	107	102	104	105	---	---	102	103
Trisler	T-4S61VT3	PL	CB/GY/RW	106	---	107	102	---	---	92	100
RPM	628HRQ	PL	CB/GU/GY/RW	107	107	102	103	103	91	93	100
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	90	105	103	---	---	---	99
Doebler's	660BVR	PL	CB/GY/RW	107	108	102	99	106	89	91	99
Augusta Seed	A08-03VT3	PL	CB/GY/RW	106	102	97	103	---	87	106	99
Mid-Atlantic	MA8009VT3	PL	CB/GY/RW	100	93	90	99	---	---	---	94
RPM	615HRQ	PL	CB/GU/GY/RW	107	86	102	105	80	95	94	94
Mid-Atlantic	MA5055GTCBLL	PL	CB/GU/GY	103	97	95	90	---	---	---	94
Hubner	H5226VT3	PL	CB/GY/RW	101	94	96	93	---	---	88	93
Augusta Seed	A06-07CBLL	PL	CB/GU	107	---	94	100	---	86	81	90
Mid-Atlantic	MA8029VT3	PL	CB/GY/RW	102	87	69	92	---	---	---	83
108-111 Days Relative Maturity											
Augusta Seed	A06-06CBLL	PL	CB/GU	111	---	120	100	---	115	105	110
Dyna-Gro	57V40	PL	CB/GY/RW	111	109	111	102	103	---	---	106
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	100	116	102	---	---	---	106
Trisler	T-6N52VT3	PL	CB/GY/RW	110	105	106	111	---	---	96	105
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	---	110	105	96	---	106	104
Augusta Seed	A07-40	PL		109	---	111	99	---	---	101	104
Augusta Seed	A07-20GTCBLL	PL	CB/GU/GY	110	110	113	91	---	98	---	103
Mid-Atlantic	MA5109CBL	PL	CB/GU	110	101	107	96	---	---	---	101
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	91	116	83	104	118	90	100
Mid-Atlantic	MA8109RR	PL	GY	110	81	106	113	---	---	---	100
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	---	103	107	---	95	92	99
Hubner	H5477PR	PL	CB/GY/RW	110	93	100	93	---	---	107	98
Augusta Seed	A54-58CBLL	PL	CB/GU	109	105	95	100	---	88	101	98
T.A. Seeds	TA688-11	PL	CB/GU	110	93	95	96	105	90	100	97
Mid-Atlantic	MA5128HXT	PL	CB/GU/GY/RW	111	101	85	103	---	---	---	96
NK Brand	N69L-CB/LL	C	CB/GU	111	94	83	101	106	---	---	96
Hubner	H5462VT3	PL	CB/GY/RW	110	101	85	102	---	---	94	96

Table 1. 2009 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	Black-stone	Blacks-burg	Shenan-doah	Mean
NK Brand	N61P-GT/CB/LL	C	CB/GU/GY	108	---	99	94	---	---	92	95
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	79	97	102	102	---	---	95
Augusta Seed	A54-59CBLL	PL	CB/GU	109	95	92	102	---	---	90	95
DEKALB	DKC61-04(VT3)	PL	CB/GY/RW	111	---	92	94	91	---	99	94
Trisler	T-5N51VT3	PL	CB/GY/RW	108	---	95	95	---	---	92	94
Garst	85V87 GT/CB/LL	C	CB/GU/GY	108	---	90	95	---	---	91	92
Trisler	T-6A08VT3	PL	CB/GY/RW	109	93	78	96	---	---	89	89
Mid-Atlantic	MA9094	PL		108	82	91	90	---	---	---	88
Doebler's	634BVR	PL	CB/GY/RW	110	98	78	68	101	84	91	87
112-115 Days Relative Maturity											
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	---	111	117	---	112	111	113
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	110	117	105	---	---	---	110
Augusta Seed	A007P	PH		115	---	105	111	---	115	---	110
Garst	82R03 CB/LL	C	CB/GU	115	---	104	108	---	---	115	109
Mid-Atlantic	MA8148VT3	PL	CB/GY/RW	112	115	101	111	---	---	---	109
NK Brand	N73V-3000GT	C	CB/GU/GY/RW	113	---	112	110	---	---	104	109
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	---	96	100	---	119	118	108
Dyna-Gro	57V21	PL	CB/GY/RW	115	120	103	96	108	---	112	108
NK Brand	N77H-CB/LL	C	CB/GU	115	---	110	108	---	---	106	108
Trisler	T-8A08VT3	PL	CB/GY/RW	113	110	102	111	---	---	---	108
Garst	83X61 3000GT	C	CB/GU/GY/RW	113	---	90	108	---	---	126	108
Mid-Atlantic	MA8129RR	PL	GY	112	93	111	116	---	---	---	107
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	---	111	107	99	---	107	106
DEKALB	DKC63-14(VT3)	PL	CB/GY/RW	113	---	120	99	98	---	107	106
Seed Consultants	SC 11AX30	C	CB/GU/GY	112	---	107	91	---	113	112	106
Seed Consultants	EX SCS 9116RR	C	GY	115	---	99	112	---	109	101	105
DEKALB	DKC65-63(VT3)	PL	CB/GY/RW	115	---	103	106	101	---	109	105
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	---	107	104	---	95	111	104
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	111	111	102	109	86	107	104
Augusta Seed	A5338EVT3	PL	CB/GY/RW	115	---	105	101	---	---	105	104
Hubner	H5655VT3	PL	CB/GY/RW	113	114	106	91	---	---	103	103
Trisler	T-8A02VT3	PL	CB/GY/RW	113	103	97	105	---	---	107	103
Hubner	H5707VT3	PL	CB/GY/RW	114	113	106	88	---	---	101	102
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	---	105	107	103	---	93	102

Table 1. 2009 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	Black-stone	Blacks-burg	Shenan-doah	Mean
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	---	112	97	97	---	100	102
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	120	86	100	98	112	94	102
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	101	108	100	---	89	106	101
Dyna-Gro	57V38	PL	CB/GY/RW	113	118	92	88	102	---	98	100
NK Brand	N78B-CB/LL	C	CB/GU	115	109	106	97	94	---	91	99
Augusta Seed	A73-64GTCBLL	PL	CB/GU/GY	114	96	113	89	---	---	---	99
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	---	84	104	---	101	106	99
Dyna-Gro	58V72	PL		115	70	108	102	106	---	103	98
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	---	88	98	95	---	107	97
Trisler	T-7N88VT3	PL	CB/GY/RW	112	102	99	98	---	---	88	97
Dyna-Gro	57V70	PL	CB/GY/RW	112	102	88	102	94	---	---	97
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	---	91	83	---	110	103	97
Hubner	H5582VT3	PL	CB/GY/RW	112	90	100	102	---	---	86	95
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	87	98	96	93	77	97	91
>115 Days Relative Maturity											
Seed Consultants	EX SCS 9117HQ	C	CB/GU/GY/RW	116	---	110	106	---	114	109	110
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	---	112	87	---	109	115	106
Augusta Seed	A61-66CBLL	PL	CB/GU	116	101	112	97	---	109	106	105
Seed Consultants	SC 11VTT79	C	CB/GY/RW	117	---	93	103	---	111	113	105
Augusta Seed	A76-64CB	PL	CB	116	107	91	96	---	112	105	102
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	95	108	94	109	94	100	100
Augusta Seed	A62-65CBLL	PL	CB/GU	117	94	93	95	---	104	102	98
Augusta Seed	A008VT3	PL	CB/GY/RW	117	106	98	89	---	94	---	97
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	---	90	91	104	---	102	97
Seed Consultants	SC 11VTT97	C	CB/GY/RW	119	---	103	90	---	87	100	95
Southern States	SS 775 RR2	PH	GY	116	---	90	103	---	---	92	95
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	---	88	93	92	---	98	93

* 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®.

[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* (2008-2009) 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]	# Observations	Relative Yield
<108 Days Relative Maturity						
Mid-Atlantic	MA5085	PL		106	31	101
Doebler's	660BVR	PL	CB/GY/RW	107	48	97
Augusta Seed	A06-07CBLL	PL	CB/GU	107	28	95
108-111 Days Relative Maturity						
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	29	109
Augusta Seed	A06-06CBLL	PL	CB/GU	111	33	107
Augusta Seed	A07-40	PL		109	25	102
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	38	102
T.A. Seeds	TA688-11	PL	CB/GU	110	47	100
Trisler	T-5N51VT3	PL	CB/GY/RW	108	28	100
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	31	100
Trisler	T-6N52VT3	PL	CB/GY/RW	110	29	98
Hubner	H5477PR	PL	CB/GY/RW	110	31	97
Doebler's	634BVR	PL	CB/GY/RW	110	47	93
112-115 Days Relative Maturity						
Dyna-Gro	57V21	PL	CB/GY/RW	115	46	108
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	29	107
Augusta Seed	A007P	PH		115	27	107
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	31	104
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	37	103
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	34	103
Trisler	T-8A02VT3	PL	CB/GY/RW	113	30	103
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	30	103
Hubner	H5582VT3	PL	CB/GY/RW	112	35	99
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	33	98
>115 Days Relative Maturity						
Augusta Seed	A76-64CB	PL	CB	116	47	108
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	37	101
Southern States	SS 775 RR2	PH	GY	116	25	97
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	35	95

* 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®.

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt ro 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 3. Three-year Average RELATIVE YIELD* (2007-2009) 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]	# Observations	Relative Yield
<108 Days Relative Maturity						
Augusta Seed	A-06-07CB	PL	CB	107	48	99
112-115 Days Relative Maturity						
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	56	106
>115 Days Relative Maturity						
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	60	101

* 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®.

[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 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2009 - 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							
Augusta Seed	A28-52GTCBLL	PL	CB/GU/GY	102	157	14.8	49.8
Doebler's	660BVR	PL	CB/GY/RW	107	144	16.8	55.0
RPM	628HRQ	PL	CB/GU/GY/RW	107	143	16.8	55.0
Mid-Atlantic	MA5085	PL		106	139	15.7	52.3
Augusta Seed	A08-03VT3	PL	CB/GY/RW	106	136	18.9	58.0
Augusta Seed	A5337EVT3	PL	CB/GY/RW	107	135	17.3	55.9
Mid-Atlantic	MA5055GTCBLL	PL	CB/GU/GY	103	128	14.6	48.9
Hubner	H5226VT3	PL	CB/GY/RW	101	125	14.2	47.8
Mid-Atlantic	MA8009VT3	PL	CB/GY/RW	100	124	14.1	47.2
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	120	17.2	55.6
Mid-Atlantic	MA8029VT3	PL	CB/GY/RW	102	115	12.8	42.3
RPM	615HRQ	PL	CB/GU/GY/RW	107	114	15.7	52.3
			Maturity Average		131	15.7	51.6
			L.S.D. (0.05)		26	1.2	2.3
			C.V.		12	4.4	2.7
108-111 Days Relative Maturity							
Augusta Seed	A07-20GTCBLL	PL	CB/GU/GY	110	146	18.5	57.6
Dyna-Gro	57V40	PL	CB/GY/RW	111	145	16.0	53.1
Trisler	T-7A14VT3	PL	CB/GY/RW	111	144	17.1	55.5
Augusta Seed	A54-58CBLL	PL	CB/GU	109	139	16.1	53.1
Trisler	T-6N52VT3	PL	CB/GY/RW	110	139	15.6	51.9
Mid-Atlantic	MA5109CBL	PL	CB/GU	110	134	15.9	52.8
Mid-Atlantic	MA5128HXT	PL	CB/GU/GY/RW	111	134	16.7	54.7
Hubner	H5462VT3	PL	CB/GY/RW	110	134	15.4	51.6
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	132	16.4	54.0
Doebler's	634BVR	PL	CB/GY/RW	110	130	17.7	55.4
Augusta Seed	A54-59CBLL	PL	CB/GU	109	126	15.3	51.2
NK Brand	N69L-CB/LL	C	CB/GU	111	125	16.1	53.4
Hubner	H5477PR	PL	CB/GY/RW	110	124	16.4	54.0
Trisler	T-6A08VT3	PL	CB/GY/RW	109	123	15.5	51.7
T.A. Seeds	TA688-11	PL	CB/GU	110	123	16.7	54.8
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	121	15.8	52.5
Mid-Atlantic	MA9094	PL		108	109	17.4	56.2
Mid-Atlantic	MA8109RR	PL	GY	110	107	16.9	55.1
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	105	15.6	51.3
			Maturity Average		128	16.4	53.8
			L.S.D. (0.05)		30	1.7	3.5
			C.V.		15	6.7	4.1
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RW	115	159	18.7	58.3
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	159	18.8	58.1
Dyna-Gro	57V38	PL	CB/GY/RW	113	156	17.5	56.5
Mid-Atlantic	MA8148VT3	PL	CB/GY/RW	112	153	18.2	57.7
NK Brand	N78N 3000GT	C	CB/GU/GY	115	152	24.0	58.7
Hubner	H5655VT3	PL	CB/GY/RW	113	151	18.1	57.5
Hubner	H5707VT3	PL	CB/GY/RW	114	150	18.0	57.3
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	147	19.0	58.6

Table 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2009 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
Trisler	T-8A08VT3	PL	CB/GY/RW	113	147	16.0	52.8
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	146	16.9	55.3
NK Brand	N78B-CB/LL	C	CB/GU	115	144	20.0	59.3
Trisler	T-8N52VT3	PL	CB/GY/RW	114	138	16.0	53.0
Trisler	T-8A02VT3	PL	CB/GY/RW	113	137	16.9	55.3
Dyna-Gro	57V70	PL	CB/GY/RW	112	136	16.5	54.4
Trisler	T-7N88VT3	PL	CB/GY/RW	112	135	16.7	54.7
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	134	19.4	59.2
NK Brand	N77P 3000 GT	C	CB/GU/GY	114	130	19.4	59.2
Augusta Seed	A73-64GTCBLL	PL	CB/GU/GY	114	127	16.8	55.0
Mid-Atlantic	MA8129RR	PL	GY	112	124	17.0	55.4
Hubner	H5582VT3	PL	CB/GY/RW	112	119	16.7	54.7
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	116	20.8	59.9
Dyna-Gro	58V72	PL		115	93	16.6	54.6
			Maturity Average		138	18.1	56.7
			L.S.D. (0.05)		26	1.1	1.7
			C.V.		12	3.7	1.9
>115 Days Relative Maturity							
Augusta Seed	A76-64CB	PL	CB	116	141	20.9	60.0
Augusta Seed	A008VT3	PL	CB/GY/RW	117	140	21.0	60.2
Augusta Seed	A61-66CBLL	PL	CB/GU	116	134	21.7	59.9
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	126	21.1	60.2
Augusta Seed	A62-65CBLL	PL	CB/GU	117	125	22.2	59.5
Dyna-Gro	V60YR82	PL	CB/GY	120	123	22.9	59.7
			Maturity Average		132	21.6	59.9
			L.S.D. (0.05)		25	1.5	0.9
			C.V.		12	4.4	1.0
			Location Average		133	17.5	55.1

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

[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 24, 2009. Harvested September 4, 2009. Population was 23,254 plants/acre.

Table 5. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2008 and 2009 - Virginia Tech Trials.

Brand/Compa	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
<108 Days Relative Maturity							
Doebler's	660BVR	PL	CB/GY/RW	107	162	20.2	53.4
Mid-Atlantic	MA5085	PL		106	137	18.3	52.8
			Maturity Average		155	18.9	53.1
			L.S.D. (0.05)		53	1.0	1.9
			C.V.		11	1.9	1.2
108-111 Days Relative Maturity							
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	168	19.4	53.0
Hubner	H5477PR	PL	CB/GY/RW	110	149	19.4	54.5
Trisler	T-6N52VT3	PL	CB/GY/RW	110	146	19.0	53.6
T.A. Seeds	TA688-11	PL	CB/GU	110	145	19.6	54.0
Doebler's	634BVR	PL	CB/GY/RW	110	137	20.2	55.8
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	136	19.1	51.5
			Maturity Average		146	19.5	53.7
			L.S.D. (0.05)		25	1.7	3.0
			C.V.		14	7.0	4.5
112-115 Days Relative Maturity							
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	180	20.8	52.9
Dyna-Gro	57V21	PL	CB/GY/RW	115	164	21.9	54.1
NK Brand	N78N 3000GT	C	CB/GU/GY	115	162	25.9	54.7
NK Brand	N77P 3000 GT	C	CB/GU/GY	114	149	21.8	55.6
Trisler	T-8A02VT3	PL	CB/GY/RW	113	145	20.0	53.6
Hubner	H5582VT3	PL	CB/GY/RW	112	143	19.1	53.6
			Maturity Average		157	21.2	54.1
			L.S.D. (0.05)		20	1.3	1.2
			C.V.		10	4.8	1.6
>115 Days Relative Maturity							
Dyna-Gro	V60YR82	PL	CB/GY	120	160	24.4	56.2
Augusta Seed	A76-64CB	PL	CB	116	158	22.4	55.9
			Maturity Average		157	24.2	56.1
			L.S.D. (0.05)		38	1.3	1.3
			C.V.		12	2.7	1.2
			Location Average		153	20.7	54.1

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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, 2007-2009 - Virginia Tech Trials.

Brand/Comp	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
>115 Days Relative Maturity							
Dyna-Gro	V60YR82	PL	CB/GY	120	160	22.9	56.0

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 See Farm at MT HOLLY, VIRGINIA in 2009 - 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							
Mid-Atlantic	MA5085	PL		106	166	15.2	50.9
Trisler	T-4S61VT3	PL	CB/GY/RW	106	157	15.5	51.8
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	153	16.9	54.9
Augusta Seed	A5337EVT3	PL	CB/GY/RW	107	152	19.0	58.6
RPM	615HRQ	PL	CB/GU/GY/RW	107	150	15.2	50.8
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	149	16.0	53.0
RPM	628HRQ	PL	CB/GU/GY/RW	107	149	16.2	53.6
Doebler's	660BVR	PL	CB/GY/RW	107	149	16.0	53.1
Augusta Seed	A08-03VT3	PL	CB/GY/RW	106	142	17.7	56.3
Hubner	H5226VT3	PL	CB/GY/RW	101	141	15.9	51.4
Augusta Seed	A28-52GTCBLL	PL	CB/GU/GY	102	140	15.5	51.7
Mid-Atlantic	MA5055GTCBLL	PL	CB/GU/GY	103	138	13.8	46.4
Augusta Seed	A06-07CBLL	PL	CB/GU	107	138	15.2	50.8
Mid-Atlantic	MA8009VT3	PL	CB/GY/RW	100	132	14.8	49.7
Mid-Atlantic	MA8029VT3	PL	CB/GY/RW	102	101	12.5	41.1
			Maturity Average		143	15.6	51.4
			L.S.D. (0.05)		25	1.9	4.7
			C.V.		11	7.5	5.6
108-111 Days Relative Maturity							
Augusta Seed	A06-06CBLL	PL	CB/GU	111	176	17.7	56.8
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	170	16.6	54.5
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	169	15.7	52.3
Augusta Seed	A07-20GTCBLL	PL	CB/GU/GY	110	165	18.5	58.0
Augusta Seed	A07-40	PL		109	162	15.2	50.7
Dyna-Gro	57V40	PL	CB/GY/RW	111	162	17.9	56.7
NK Brand	N72K-GT/CB/LL	C	CB/GU/GY	111	161	16.9	55.2
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	160	16.3	53.8
Mid-Atlantic	MA5109CBL	PL	CB/GU	110	156	15.3	51.1
Trisler	T-6N52VT3	PL	CB/GY/RW	110	155	16.4	53.9
Mid-Atlantic	MA8109RR	PL	GY	110	155	17.6	56.5
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	151	19.1	58.8
Hubner	H5477PR	PL	CB/GY/RW	110	147	16.6	54.6
NK Brand	N61P-GT/CB/LL	C	CB/GU/GY	108	145	16.0	53.1
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	142	17.5	56.5
Garst	84U57 CB/LL/RW	C	CB/GU/RW	110	142	17.5	56.0
T.A. Seeds	TA688-11	PL	CB/GU	110	140	16.6	54.5
Augusta Seed	A54-58CBLL	PL	CB/GU	109	139	16.8	54.4
Trisler	T-5N51VT3	PL	CB/GY/RW	108	139	15.7	52.2
Augusta Seed	A54-59CBLL	PL	CB/GU	109	135	15.9	52.6
DEKALB	DKC61-04(VT3)	PL	CB/GY/RW	111	134	16.2	53.7
Mid-Atlantic	MA9094	PL		108	134	17.0	55.4
Garst	85V87 GT/CB/LL	C	CB/GU/GY	108	132	16.1	53.4
Hubner	H5462VT3	PL	CB/GY/RW	110	125	16.2	53.6
Mid-Atlantic	MA5128HXT	PL	CB/GU/GY/RW	111	124	16.7	54.7
NK Brand	N69L-CB/LL	C	CB/GU	111	121	16.9	55.0
Dyna-Gro	56N86	PL		108	120	17.1	55.4

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation See Farm at MT HOLLY, VIRGINIA in 2009 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
Doebler's	634BVR	PL	CB/GY/RW	110	114	16.2	53.5
Trisler	T-6A08VT3	PL	CB/GY/RW	109	114	16.2	53.6
			Maturity Average		143	16.7	54.4
			L.S.D. (0.05)		35	1.2	2.6
			C.V.		16	4.8	3.1
112-115 Days Relative Maturity							
DEKALB	DKC63-14(VT3)	PL	CB/GY/RW	113	176	17.6	56.3
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	171	19.3	58.6
Augusta Seed	A73-64GTCBLL	PL	CB/GU/GY	114	165	18.4	57.8
NK Brand	N73V-3000GT	C	CB/GU/GY/RW	113	165	18.3	57.7
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	164	20.0	59.1
Mid-Atlantic	MA8129RR	PL	GY	112	163	19.2	58.8
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	163	18.6	58.2
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	162	16.9	54.9
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	162	17.8	56.9
NK Brand	N77H-CB/LL	C	CB/GU	115	161	18.0	57.0
Dyna-Gro	58V72	PL		115	159	20.2	59.2
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	158	18.7	58.4
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	157	19.9	59.6
Seed Consultants	SC 11AX30	C	CB/GU/GY	112	157	17.2	55.6
Hubner	H5707VT3	PL	CB/GY/RW	114	156	18.4	57.8
NK Brand	N78B-CB/LL	C	CB/GU	115	155	19.9	59.5
Hubner	H5655VT3	PL	CB/GY/RW	113	155	18.5	58.0
Augusta Seed	A007P	PH		115	154	17.8	56.7
Augusta Seed	A5338EVT3	PL	CB/GY/RW	115	154	16.8	54.8
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	153	18.7	58.1
Garst	82R03 CB/LL	C	CB/GU	115	153	19.3	58.3
Dyna-Gro	57V21	PL	CB/GY/RW	115	151	20.0	59.4
DEKALB	DKC65-63(VT3)	PL	CB/GY/RW	115	151	16.9	55.2
Trisler	T-8A08VT3	PL	CB/GY/RW	113	149	18.0	56.8
Mid-Atlantic	MA8148VT3	PL	CB/GY/RW	112	148	19.7	59.2
Hubner	H5582VT3	PL	CB/GY/RW	112	146	18.2	57.5
Trisler	T-7N88VT3	PL	CB/GY/RW	112	145	17.1	55.5
Seed Consultants	EX SCS 9116RR	C	GY	115	145	16.8	54.9
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	143	17.8	56.8
Trisler	T-8A02VT3	PL	CB/GY/RW	113	143	17.0	55.3
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	141	21.8	59.3
Dyna-Gro	57V38	PL	CB/GY/RW	113	134	17.6	56.5
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	133	17.8	56.8
Garst	83X61 3000GT	C	CB/GU/GY/RW	113	131	18.2	57.5
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	129	15.1	50.6
Dyna-Gro	57V70	PL	CB/GY/RW	112	129	16.8	54.9
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	126	18.6	58.2
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	123	17.4	56.1
			Maturity Average		151	18.3	57.2
			L.S.D. (0.05)		39	1.4	2.2
			C.V.		17	5.0	2.5

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation See Farm at MT HOLLY, VIRGINIA in 2009 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
>115 Days Relative Maturity							
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	165	18.5	58.0
Augusta Seed	A61-66CBLL	PL	CB/GU	116	164	19.6	59.3
Seed Consultants	EX SCS 9117HQ	C	CB/GU/GY/RW	116	161	17.2	55.9
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	157	19.6	59.4
Seed Consultants	SC 11VTT97	C	CB/GY/RW	119	150	19.4	59.2
Augusta Seed	A008VT3	PL	CB/GY/RW	117	144	18.9	58.4
Augusta Seed	A62-65CBLL	PL	CB/GU	117	136	18.9	58.2
Seed Consultants	SC 11VTT79	C	CB/GY/RW	117	136	20.7	59.7
Augusta Seed	A76-64CB	PL	CB	116	133	19.9	59.4
DEKALB	DKC67-87(RR2/YG(	PL	CB/GY	117	132	17.3	55.9
Southern States	SS 775 RR2	PH	GY	116	131	18.4	57.9
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	129	16.8	54.6
			Maturity Average		145	18.8	58.0
			L.S.D. (0.05)		35	1.1	1.4
			C.V.		14	3.5	1.4
			Location Average		146	17.4	55.5

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt roo 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 companie

[4] Reported at 15.5% moisture.

Planted April 28, 2009. Harvested September 24, 2009. Population was 24,500 plants/acre.

Table 8. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 and 2009 - 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							
Mid-Atlantic	MA5085	PL		106	160	16.9	55.5
Doebler's	660BVR	PL	CB/GY/RW	107	154	16.2	53.6
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	151	16.4	53.4
Augusta Seed	A06-07CBLL	PL	CB/GU	107	149	15.3	52.1
			Maturity Average		152	15.9	52.9
			L.S.D. (0.05)		24	0.7	1.4
			C.V.		11	2.8	1.8
108-111 Days Relative Maturity							
Augusta Seed	A07-40	PL		109	168	16.7	54.4
Augusta Seed	A06-06CBLL	PL	CB/GU	111	167	17.9	55.5
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	164	16.3	54.0
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	161	16.9	54.0
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	154	17.3	54.7
Trisler	T-6N52VT3	PL	CB/GY/RW	110	150	16.9	54.5
Trisler	T-5N51VT3	PL	CB/GY/RW	108	148	16.5	53.5
Hubner	H5477PR	PL	CB/GY/RW	110	147	17.2	55.4
T.A. Seeds	TA688-11	PL	CB/GU	110	144	16.5	54.2
Doebler's	634BVR	PL	CB/GY/RW	110	129	17.2	55.3
			Maturity Average		153	16.9	54.7
			L.S.D. (0.05)		18	0.7	1.7
			C.V.		11	3.7	2.9
112-115 Days Relative Maturity							
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	165	19.4	57.8
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	164	19.0	55.6
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	160	18.0	56.5
Dyna-Gro	57V21	PL	CB/GY/RW	115	154	20.0	56.0
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	153	17.4	56.0
Augusta Seed	A007P	PH		115	151	17.7	56.0
Trisler	T-8A02VT3	PL	CB/GY/RW	113	146	17.6	55.0
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	142	20.6	55.1
Hubner	H5582VT3	PL	CB/GY/RW	112	141	16.9	55.0
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	132	18.1	56.0
			Maturity Average		151	18.6	55.8
			L.S.D. (0.05)		25	0.9	1.6
			C.V.		15	4.5	2.6
>115 Days Relative Maturity							
Augusta Seed	A76-64CB	PL	CB	116	151	19.9	56.3
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	138	18.4	54.8
Southern States	SS 775 RR2	PH	GY	116	136	18.8	55.6
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	135	19.5	54.8
			Maturity Average		136	19.0	55.6
			L.S.D. (0.05)		23	1.0	1.2
			C.V.		12	3.7	1.6
			Location Average		150	17.7	55.0

Table 8. Two-year Average Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2007 and 2008 - Virginia Tech Trials, continued.

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

[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, 2007-2009 - 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 Seed	A5175PLRR	PL	CB/GY/RW	107	116	16.5	53.7
Augusta Seed	A-06-07CB	PL	CB	107	115	15.3	52.3
			Maturity Average		115	15.9	53.0
			L.S.D. (0.05)		13	0.6	1.0
			C.V.		12	3.9	1.9
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	127	17.7	55.3
>115 Days Relative Maturity							
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	107	19.0	54.4
			Location Average		116	17.1	53.9

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 2009 - 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							
Mid-Atlantic	MA5085	PL		106	274	15.0	50.2
Augusta Seed	A5337EVT3	PL	CB/GY/RW	107	271	16.9	55.2
RPM	615HRQ	PL	CB/GU/GY/RW	107	270	16.1	53.4
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	265	18.1	57.4
RPM	628HRQ	PL	CB/GU/GY/RW	107	264	16.2	53.5
Augusta Seed	A08-03VT3	PL	CB/GY/RW	106	264	17.6	56.4
Trisler	T-4S61VT3	PL	CB/GY/RW	106	263	15.4	51.4
Augusta Seed	A28-52GTCBLL	PL	CB/GU/GY	102	259	15.3	51.1
Augusta Seed	A06-07CBLL	PL	CB/GU	107	256	15.0	50.3
Doebler's	660BVR	PL	CB/GY/RW	107	256	16.7	54.7
Mid-Atlantic	MA8009VT3	PL	CB/GY/RW	100	255	15.2	51.0
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	245	16.3	53.9
Hubner	H5226VT3	PL	CB/GY/RW	101	238	14.2	47.6
Mid-Atlantic	MA8029VT3	PL	CB/GY/RW	102	237	13.7	45.7
Mid-Atlantic	MA5055GTCBLL	PL	CB/GU/GY	103	231	14.2	47.5
			Maturity Average		256	15.7	51.9
			L.S.D. (0.05)		26	0.9	2.7
			C.V.		7	4.1	3.5
108-111 Days Relative Maturity							
NK Brand	N72K-GT/CB/LL	C	CB/GU/GY	111	294	17.9	57.2
Mid-Atlantic	MA8109RR	PL	GY	110	291	16.1	53.2
Trisler	T-6N52VT3	PL	CB/GY/RW	110	286	16.8	55.1
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	275	17.1	55.6
Garst	84U57 CB/LL/RW	C	CB/GU/RW	110	274	16.7	54.7
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	269	16.4	54.0
Mid-Atlantic	MA5128HXT	PL	CB/GU/GY/RW	111	266	16.6	54.5
Dyna-Gro	56N86	PL		108	266	15.6	52.1
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	263	17.0	55.3
Hubner	H5462VT3	PL	CB/GY/RW	110	263	16.7	54.7
Dyna-Gro	57V40	PL	CB/GY/RW	111	262	17.5	56.3
Augusta Seed	A54-59CBLL	PL	CB/GU	109	262	15.8	52.4
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	261	16.8	54.9
NK Brand	N69L-CB/LL	C	CB/GU	111	260	15.8	52.6
Augusta Seed	A54-58CBLL	PL	CB/GU	109	258	16.3	53.6
Augusta Seed	A06-06CBLL	PL	CB/GU	111	257	17.0	55.4
Augusta Seed	A07-40	PL		109	253	15.9	52.7
Trisler	T-6A08VT3	PL	CB/GY/RW	109	246	16.6	54.5
T.A. Seeds	TA688-11	PL	CB/GU	110	246	16.5	54.2
Mid-Atlantic	MA5109CBL	PL	CB/GU	110	246	15.3	51.1
Trisler	T-5N51VT3	PL	CB/GY/RW	108	245	15.9	52.7
Garst	85V87 GT/CB/LL	C	CB/GU/GY	108	243	15.5	51.7
DEKALB	DKC61-04(VT3)	PL	CB/GY/RW	111	242	17.6	56.6
NK Brand	N61P-GT/CB/LL	C	CB/GU/GY	108	242	15.3	51.2
Hubner	H5477PR	PL	CB/GY/RW	110	238	17.2	55.9
Augusta Seed	A07-20GTCBLL	PL	CB/GU/GY	110	233	17.9	57.0

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2009 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
Mid-Atlantic	MA9094	PL		108	232	17.5	56.4
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	215	16.0	53.0
Doebler's	634BVR	PL	CB/GY/RW	110	176	16.1	53.4
			Maturity Average		255	16.6	54.3
			L.S.D. (0.05)		35	1.1	2.5
			C.V.		9	4.4	3.1
112-115 Days Relative Maturity							
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	301	18.0	57.3
Mid-Atlantic	MA8129RR	PL	GY	112	297	18.7	58.3
Seed Consultants	EX SCS 9116RR	C	GY	115	287	17.8	57.0
Mid-Atlantic	MA8148VT3	PL	CB/GY/RW	112	286	17.8	57.0
Augusta Seed	A007P	PH		115	285	18.4	57.9
Trisler	T-8A08VT3	PL	CB/GY/RW	113	285	16.5	54.2
NK Brand	N73V-3000GT	C	CB/GU/GY/RW	113	282	19.7	59.5
NK Brand	N77H-CB/LL	C	CB/GU	115	277	18.1	57.4
Garst	82R03 CB/LL	C	CB/GU	115	277	19.2	59.0
Garst	83X61 3000GT	C	CB/GU/GY/RW	113	277	19.3	59.0
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	275	18.2	57.6
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	274	18.1	57.4
DEKALB	DKC65-63(VT3)	PL	CB/GY/RW	115	273	19.6	59.0
Trisler	T-8A02VT3	PL	CB/GY/RW	113	270	17.7	56.8
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	270	18.3	57.8
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	268	17.9	57.1
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	267	21.1	59.9
Dyna-Gro	58V72	PL		115	263	18.2	57.7
Dyna-Gro	57V70	PL	CB/GY/RW	112	263	17.1	55.4
Hubner	H5582VT3	PL	CB/GY/RW	112	262	17.0	55.4
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	261	20.2	59.8
Augusta Seed	A5338EVT3	PL	CB/GY/RW	115	261	18.5	58.0
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	257	19.4	59.2
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	257	19.9	59.6
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	256	20.0	59.6
DEKALB	DKC63-14(VT3)	PL	CB/GY/RW	113	254	18.1	57.2
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	253	16.9	55.2
Trisler	T-7N88VT3	PL	CB/GY/RW	112	252	18.4	58.0
NK Brand	N78B-CB/LL	C	CB/GU	115	250	20.6	59.9
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	249	18.4	57.8
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	247	18.8	58.4
Dyna-Gro	57V21	PL	CB/GY/RW	115	246	19.0	58.5
Seed Consultants	SC 11AX30	C	CB/GU/GY	112	235	18.3	57.8
Hubner	H5655VT3	PL	CB/GY/RW	113	234	19.7	59.4
Augusta Seed	A73-64GTCBLL	PL	CB/GU/GY	114	229	19.8	59.5
Dyna-Gro	57V38	PL	CB/GY/RW	113	227	17.5	56.3
Hubner	H5707VT3	PL	CB/GY/RW	114	227	17.8	56.9
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	213	19.4	59.2
			Maturity Average		263	18.6	58.0
			L.S.D. (0.05)		37	1.1	1.5
			C.V.		10	3.8	1.8

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2009 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
>115 Days Relative Maturity							
Seed Consultants	EX SCS 9117HQ	C	CB/GU/GY/RW	116	272	18.0	57.3
Seed Consultants	SC 11VTT79	C	CB/GY/RW	117	265	21.4	60.2
Southern States	SS 775 RR2	PH	GY	116	264	19.6	59.3
Augusta Seed	A61-66CBLL	PL	CB/GU	116	248	19.7	59.4
Augusta Seed	A76-64CB	PL	CB	116	247	19.7	59.4
Augusta Seed	A62-65CBLL	PL	CB/GU	117	243	18.4	57.7
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	242	21.0	60.1
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	240	19.5	59.3
DEKALB	DKC67-87(RR2/YG	PL	CB/GY	117	233	17.9	57.1
Seed Consultants	SC 11VTT97	C	CB/GY/RW	119	232	21.8	60.2
Augusta Seed	A008VT3	PL	CB/GY/RW	117	230	20.3	59.9
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	224	18.6	58.1
			Maturity Average		245	19.7	59.0
			L.S.D. (0.05)		56	1.0	1.2
			C.V.		14	3.3	1.3
			Location Average		257	17.6	55.9

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt roo 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 companie

[4] Reported at 15.5% moisture.

Planted April 29, 2009. Harvested September 23, 2009. Population was 28,078 plants/acre.

Table 11. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 and 2009 - 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							
Mid-Atlantic	MA5085	PL		106	252	17.1	52.7
Augusta Seed	A06-07CBLL	PL	CB/GU	107	245	16.9	51.1
Doebler's	660BVR	PL	CB/GY/RW	107	240	18.0	53.5
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	239	18.0	53.0
			Maturity Average		246	17.3	52.2
			L.S.D. (0.05)		23	0.5	1.5
			C.V.		8	2.4	2.3
108-111 Days Relative Maturity							
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	258	17.8	54.2
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	108	250	18.1	53.9
Augusta Seed	A06-06CBLL	PL	CB/GU	111	245	18.5	54.0
Trisler	T-5N51VT3	PL	CB/GY/RW	108	245	17.4	53.5
Augusta Seed	A07-40	PL		109	242	17.5	54.0
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	242	18.4	53.7
T.A. Seeds	TA688-11	PL	CB/GU	110	240	18.2	54.4
Trisler	T-6N52VT3	PL	CB/GY/RW	110	237	18.1	54.8
Hubner	H5477PR	PL	CB/GY/RW	110	222	18.6	55.1
Doebler's	634BVR	PL	CB/GY/RW	110	196	17.9	55.5
			Maturity Average		238	18.1	54.3
			L.S.D. (0.05)		20	0.8	1.4
			C.V.		8	4.0	2.4
112-115 Days Relative Maturity							
Augusta Seed	A007P	PH		115	256	19.4	56.2
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	250	18.7	55.5
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	112	248	19.8	55.2
Trisler	T-8A02VT3	PL	CB/GY/RW	113	246	18.5	54.5
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	243	19.3	56.0
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	240	21.0	55.5
Hubner	H5582VT3	PL	CB/GY/RW	112	237	17.7	54.5
Dyna-Gro	57V21	PL	CB/GY/RW	115	235	20.5	54.4
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	233	20.2	56.1
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	216	20.1	56.4
			Maturity Average		240	19.5	55.2
			L.S.D. (0.05)		16	1.4	1.5
			C.V.		6	6.9	2.5
>115 Days Relative Maturity							
Southern States	SS 775 RR2	PH	GY	116	248	20.6	56.1
Augusta Seed	A76-64CB	PL	CB	116	234	20.4	55.6
DEKALB	DKC67-87(RR2/Y	PL	CB/GY	117	232	19.0	55.5
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	230	21.1	56.2
			Maturity Average		239	20.1	56.4
			L.S.D. (0.05)		26	1.2	1.5
			C.V.		9	5.0	2.2
			Location Average		240	18.8	54.7

Table 11. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 and 2009 - Virginia Tech Trials, continued.

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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, 2007-2009 - Virginia Tech Trials.							
Brand/Compar	**Hybrid**	**IST[1]**	**GT[2]**	**DTM per Co.[3]**	**Yield[4] bu/A**	**Moist %**	**Test Wt. lb/bu**
<108 Days Relative Maturity							
Augusta Seed	A-06-07CB	PL	CB	107	239	17.3	52.1
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	231	18.3	53.8
			Maturity Average		235	17.8	52.9
			L.S.D. (0.05)		16	0.4	0.7
			C.V.		7	2.5	1.4
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	242	19.0	55.2
>115 Days Relative Maturity							
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	231	19.2	55.5
			Location Average		236	18.5	54.2

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2009 - Virginia Tech Trials.								
				DTM per	Yield[4]	Moist	Test Wt.	Lodging
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu	%
<108 Days Relative Maturity								
Doebler's	660BVR	PL	CB/GY/RW	107	161	14.7	49.2	4.0
RPM	628HRQ	PL	CB/GU/GY/RW	107	156	15.4	51.4	2.2
RPM	615HRQ	PL	CB/GU/GY/RW	107	122	16.0	52.6	0.0
			Maturity Average		146	15.3	51.1	1.9
			L.S.D. (0.05)		22	2.1	5.0	4.2
			C.V.		6	5.3	3.8	---
108-111 Days Relative Maturity								
NK Brand	N69L-CB/LL	C	CB/GU	111	159	15.8	52.7	2.0
T.A. Seeds	TA688-11	PL	CB/GU	110	159	14.8	49.5	5.3
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	156	16.8	55.0	4.7
Dyna-Gro	57V40	PL	CB/GY/RW	111	156	16.5	54.3	0.4
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	154	15.5	51.7	0.0
Doebler's	634BVR	PL	CB/GY/RW	110	153	14.5	48.8	1.8
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	145	13.9	46.5	1.3
DEKALB	DKC61-04(VT3)	PL	CB/GY/RW	111	138	15.5	51.8	0.4
			Maturity Average		153	15.4	51.2	2.1
			L.S.D. (0.05)		15	1.1	3.2	2.9
			C.V.		6	4.2	3.9	---
112-115 Days Relative Maturity								
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	164	16.4	54.0	1.3
Dyna-Gro	57V21	PL	CB/GY/RW	115	164	18.4	57.4	0.0
Dyna-Gro	58V72	PL		115	161	17.6	56.5	0.4
NK Brand	N77P 3000 GT	C	CB/GU/GY	114	159	16.8	55.0	5.3
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	155	14.4	48.4	1.3
Dyna-Gro	57V38	PL	CB/GY/RW	113	155	14.7	49.0	2.0
DEKALB	DKC65-63(VT3)	PL	CB/GY/RW	115	153	14.5	48.7	1.7
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	150	15.8	52.7	5.0
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	148	17.9	57.1	3.3
DEKALB	DKC63-14(VT3)	PL	CB/GY/RW	113	148	18.1	57.2	1.3
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	147	17.3	56.1	4.0
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	143	13.8	46.2	2.7
Dyna-Gro	57V70	PL	CB/GY/RW	112	142	18.9	58.4	0.3
NK Brand	N78B-CB/LL	C	CB/GU	115	142	18.1	57.5	2.0
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	140	16.4	54.0	7.7
NK Brand	N78N 3000GT	C	CB/GU/GY	115	140	19.6	59.3	2.7
			Maturity Average		150	16.7	54.0	2.6
			L.S.D. (0.05)		19	1.3	2.7	4.5
			C.V.		8	4.9	3.3	---
>115 Days Relative Maturity								
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	164	17.9	57.0	3.0
DEKALB	DKC67-87(RR2/Y	PL	CB/GY	117	158	16.8	55.1	2.7
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	138	20.2	59.8	2.2
			Maturity Average		155	18.2	57.1	2.7
			L.S.D. (0.05)		19	1.8	3.1	5.1
			C.V.		7	5.1	2.9	---
			Location Average		151	16.4	53.3	2.4

Table 13. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2009 - Virginia Tech Trials.								
[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.								
[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt roo								
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 companie								
[4] Reported at 15.5% moisture.								
Planted April 25, 2009. Harvested September 3, 2009. Population was 26,136 plants/acre.								

Table 14. Two-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2008 and 2009 - Virginia Tech Trials.

Brand/Com	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Doebler's	660BVR	PL	CB/GY/RW	107	132	14.7	49.2	4.5
108-111 Days Relative Maturity								
T.A. Seeds	TA688-11	PL	CB/GU	110	128	16.0	50.7	4.9
Doebler's	634BVR	PL	CB/GY/RW	110	108	17.8	51.3	1.7
NK Brand	N68B-CB/LL/RW	C	CB/GU/RW	110	103	17.4	54.1	2.9
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	102	13.9	46.5	3.1
			Maturity Average		110	16.5	51.2	3.1
			L.S.D. (0.05)		14	1.1	3.3	3.0
			C.V.		10	5.1	4.8	---
112-115 Days Relative Maturity								
NK Brand	N77P 3000 GT	C	CB/GU/GY	114	133	17.7	55.3	4.2
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	117	16.3	50.7	2.2
Dyna-Gro	57V21	PL	CB/GY/RW	115	116	19.0	55.8	1.6
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	116	20.0	55.4	3.5
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	115	17.3	54.3	4.2
NK Brand	N78N 3000GT	C	CB/GU/GY	115	90	20.1	57.1	3.8
			Maturity Average		121	18.3	54.8	3.0
			L.S.D. (0.05)		15	1.0	2.4	3.3
			C.V.		9	4.2	3.3	---
>115 Days Relative Maturity								
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	120	19.0	55.1	2.8
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	103	20.4	58.8	3.1
			Maturity Average		99	19.8	56.4	3.3
			L.S.D. (0.05)		17	1.0	1.6	7.2
			C.V.		10	2.9	1.7	---
			Location Average		113	17.9	53.8	3.3

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt roo 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 companie

[4] Reported at 15.5% moisture.

Table 15. Three-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA, 2007-2009 - Virginia Tech Trials.

Brand/Compa	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	104	15.8	53.1
>115 Days Relative Maturity							
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	99	19.7	54.6
			Location Average		101	17.9	53.9

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2009 - 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 Seed	A08-03VT3	PL	CB/GY/RW	106	215	17.3	55.9
Augusta Seed	A5337EVT3	PL	CB/GY/RW	107	207	16.4	54.0
RPM	615HRQ	PL	CB/GU/GY/RW	107	190	15.3	51.1
RPM	628HRQ	PL	CB/GU/GY/RW	107	189	15.4	51.4
Trisler	T-4S61VT3	PL	CB/GY/RW	106	186	15.2	51.0
Doebler's	660BVR	PL	CB/GY/RW	107	183	15.4	51.5
Hubner	H5226VT3	PL	CB/GY/RW	101	178	13.7	45.9
Southern States	SS 538 VT3	PH	CB/GY/RW	106	167	14.5	48.7
Augusta Seed	A06-07CBLL	PL	CB/GU	107	164	15.5	51.7
			Maturity Average		185	15.4	51.2
			L.S.D. (0.05)		25	0.7	2.0
			C.V.		9	3.0	2.5
108-111 Days Relative Maturity							
Hubner	H5477PR	PL	CB/GY/RW	110	216	16.3	53.6
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	215	14.9	49.9
Augusta Seed	A06-06CBLL	PL	CB/GU	111	212	16.6	54.5
Augusta Seed	A07-40	PL		109	205	15.2	50.8
Augusta Seed	A54-58CBLL	PL	CB/GU	109	204	16.2	53.6
T.A. Seeds	TA688-11	PL	CB/GU	110	203	16.0	53.0
DEKALB	DKC61-04(VT3)	PL	CB/GY/RW	111	201	16.3	53.8
Trisler	T-7A14VT3	PL	CB/GY/RW	111	198	15.4	51.4
Trisler	T-6N52VT3	PL	CB/GY/RW	110	194	16.4	53.6
Hubner	H5462VT3	PL	CB/GY/RW	110	191	14.8	49.6
Trisler	T-5N51VT3	PL	CB/GY/RW	108	186	15.2	50.8
NK Brand	N61P-GT/CB/LL	C	CB/GU/GY	108	186	14.3	48.0
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	185	16.7	54.5
Garst	85V87 GT/CB/LL	C	CB/GU/GY	108	184	14.1	47.1
Doebler's	634BVR	PL	CB/GY/RW	110	184	14.7	49.4
Augusta Seed	A54-59CBLL	PL	CB/GU	109	183	15.3	51.1
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	182	15.1	50.5
Trisler	T-6A08VT3	PL	CB/GY/RW	109	180	16.0	53.1
Southern States	SS 574 VT3	PH	CB/GY/RW	108	174	14.2	47.7
			Maturity Average		194	15.4	51.3
			L.S.D. (0.05)		23	1.2	3.3
			C.V.		8	5.1	4.3
112-115 Days Relative Maturity							
Garst	83X61 3000GT	C	CB/GU/GY/RW	113	254	17.9	57.2
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	238	18.3	57.8
Garst	82R03 CB/LL	C	CB/GU	115	234	18.1	57.1
Dyna-Gro	57V21	PL	CB/GY/RW	115	227	18.1	57.3
Seed Consultants	SC 11AX30	C	CB/GU/GY	112	226	17.2	55.8
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	226	17.1	55.6
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	225	17.6	56.6
DEKALB	DKC65-63(VT3)	PL	CB/GY/RW	115	221	15.8	52.5
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	217	19.0	58.4
DEKALB	DKC63-14(VT3)	PL	CB/GY/RW	113	217	17.4	56.2

Table 16. Corn Yields at North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2009 - Virginia Tech Trials, continued.							
				DTM per	Yield[4]	Moist	Test Wt.
Brand/Company	Hybrid	IST[1]	GT[2]	Co.[3]	bu/A	%	lb/bu
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	216	17.6	56.5
Trisler	T-8A02VT3	PL	CB/GY/RW	113	216	16.1	53.3
DEKALB	DKC62-54(VT3)	PL	CB/GY/RW	112	216	16.5	54.3
NK Brand	N77H-CB/LL	C	CB/GU	115	215	18.2	57.6
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	214	17.1	55.6
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	214	18.4	57.9
Augusta Seed	A5338EVT3	PL	CB/GY/RW	115	212	17.5	56.5
NK Brand	N73V-3000GT	C	CB/GU/GY/RW	113	210	17.0	55.4
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	209	17.0	55.5
Hubner	H5655VT3	PL	CB/GY/RW	113	208	17.4	56.0
Dyna-Gro	58V72	PL		115	208	17.0	55.4
Seed Consultants	EX SCS 9116RR	C	GY	115	205	18.0	57.3
Hubner	H5707VT3	PL	CB/GY/RW	114	204	17.3	56.1
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	203	17.2	55.9
Trisler	T-8N52VT3	PL	CB/GY/RW	114	200	15.4	51.4
Dyna-Gro	57V38	PL	CB/GY/RW	113	199	16.4	53.9
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	196	17.1	55.6
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	190	17.6	56.6
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	188	15.7	51.8
NK Brand	N78B-CB/LL	C	CB/GU	115	183	19.8	59.2
Trisler	T-7N88VT3	PL	CB/GY/RW	112	178	15.1	50.4
Hubner	H5582VT3	PL	CB/GY/RW	112	174	16.1	53.2
			Maturity Average		210	17.2	55.6
			L.S.D. (0.05)		26	1.2	2.5
			C.V.		8	4.8	3.0
>115 Days Relative Maturity							
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	233	17.9	57.1
Trisler	T-9J38VT3	PL	CB/GY/RW	116	231	18.5	57.9
Seed Consultants	SC 11VTT79	C	CB/GY/RW	117	229	17.8	57.0
Seed Consultants	EX SCS 9117HQ	C	CB/GU/GY/RW	116	220	18.2	57.2
Augusta Seed	A61-66CBLL	PL	CB/GU	116	214	18.8	58.4
Augusta Seed	A76-64CB	PL	CB	116	212	17.4	56.3
DEKALB	DKC67-87(RR2/YG	PL	CB/GY	117	207	17.7	56.7
Augusta Seed	A62-65CBLL	PL	CB/GU	117	206	16.6	54.3
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	203	16.4	54.1
Seed Consultants	SC 11VTT97	C	CB/GY/RW	119	202	18.3	57.8
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	199	18.5	58.0
Augusta Seed	A91-69VT3	PL	CB/GY/RW	119	191	21.0	60.1
Southern States	SS 775 RR2	PH	GY	116	187	16.6	54.3
			Maturity Average		209	18.0	56.8
			L.S.D. (0.05)		27	1.4	2.4
			C.V.		9	5.0	2.8
			Location Average		203	16.7	54.2

Table 16. Corn Yields at North Point Farm at Augusta Seed COUNTY, VIRGINIA in 2009 - Virginia Tech Trials, continued.						
[1] Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.						
[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 13, 2009. Harvested October 30, 2009.						

Table 17. Two-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA in 2008 and 2009 - 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							
Doebler's	660BVR	PL	CB/GY/RV	107	163	16.2	53.5
Trisler	T-4S61VT3	PL	CB/GY/RV	106	149	16.1	53.2
Augusta Seed	A06-07CBLL	PL	CB/GU	107	148	16.4	52.4
			Maturity Average		153	16.2	53.1
			L.S.D. (0.05)		16	0.6	1.6
			C.V.		9	3.0	2.6
108-111 Days Relative Maturity							
DEKALB	DKC61-69(VT3)	PL	CB/GY/RV	111	176	15.3	51.8
Augusta Seed	A06-06CBLL	PL	CB/GU	111	174	15.9	48.6
Augusta Seed	A07-40	PL		109	170	16.6	53.0
T.A. Seeds	TA688-11	PL	CB/GU	110	165	17.3	53.9
Doebler's	634BVR	PL	CB/GY/RV	110	164	15.7	53.6
Hubner	H5477PR	PL	CB/GY/RV	110	163	16.8	54.5
Trisler	T-5N51VT3	PL	CB/GY/RV	108	163	16.5	53.4
Southern States	SS 574 VT3	PH	CB/GY/RV	108	155	15.5	51.1
Trisler	T-6N52VT3	PL	CB/GY/RV	110	151	16.8	54.5
			Maturity Average		165	16.3	52.6
			L.S.D. (0.05)		16	2.3	5.9
			C.V.		9	13.3	10.6
112-115 Days Relative Maturity							
Dyna-Gro	57V21	PL	CB/GY/RV	115	191	19.4	55.2
Seed Consultants	SC 11VTT48	C	CB/GY/RV	113	184	19.6	54.9
Trisler	T-8A02VT3	PL	CB/GY/RV	113	184	17.6	54.2
DEKALB	DKC64-24(VT3)	PL	CB/GY/RV	114	181	18.1	55.7
DEKALB	DKC65-44(VT3)	PL	CB/GY/RV	115	179	18.6	56.1
Seed Consultants	SC 11VTT56	C	CB/GY/RV	114	171	18.4	55.0
DEKALB	DKC63-42(VT3)	PL	CB/GY/RV	113	169	17.4	53.2
Hubner	H5582VT3	PL	CB/GY/RV	112	169	16.7	54.9
			Maturity Average		177	18.3	54.7
			L.S.D. (0.05)		21	1.0	2.1
			C.V.		10	5.1	3.5
>115 Days Relative Maturity							
Augusta Seed	A76-64CB	PL	CB	116	185	18.8	54.8
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	176	19.2	55.5
DEKALB	DKC69-40(VT3)	PL	CB/GY/RV	119	163	20.6	56.2
			Maturity Average		178	19.4	56.0
			L.S.D. (0.05)		21	1.0	1.6
			C.V.		9	3.9	2.2
			Location Average		169	17.4	53.8

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 SHENANDOAH VALLEY, VIRGINIA, 2007-2009 - 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							
Augusta Seed	A-06-07CB	PL	CB	107	155	17.2	53.1
108-111 Days Relative Maturity							
Trisler	T-5N51VT3	PH	CB/GY/RW	108	171	17.3	54.1
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	171	17.9	53.7
>115 Days Relative Maturity							
DEKALB	DKC67-87(RR2/YGCB)	PL	CB/GY	117	176	19.5	55.0
			Location Average		168.4	18.0	53.97

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 Kentland Farm at BLACKSBURG, VIRGINIA in 2009 - 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	615HRQ	PL	CB/GU/GY/RW	107	152	15.5	51.7
RPM	628HRQ	PL	CB/GU/GY/RW	107	146	15.2	50.9
Doebler's	660BVR	PL	CB/GY/RW	107	143	15.9	52.9
Augusta Seed	A08-03VT3	PL	CB/GY/RW	106	139	16.0	53.2
Augusta Seed	A06-07CBLL	PL	CB/GU	107	138	14.7	49.2
Southern States	SS 538 VT3	PH	CB/GY/RW	106	137	14.3	48.2
			Maturity Average		143	15.3	51.1
			L.S.D. (0.05)		34	1.0	2.9
			C.V.		15	4.2	3.6
108-111 Days Relative Maturity							
T.A. Seeds	TA595-15	PL	CB/GU/RW	109	188	15.6	51.6
Augusta Seed	A06-06CBLL	PL	CB/GU	111	184	18.2	57.4
Southern States	SS 574 VT3	PH	CB/GY/RW	108	161	14.7	49.3
Augusta Seed	A07-20GTCBLL	PL	CB/GU/GY	110	157	18.0	57.0
Seed Consultants	SC 11AQ07	C	CB/GU/GY/RW	109	152	16.1	53.4
T.A. Seeds	TA688-11	PL	CB/GU	110	144	17.4	55.6
Augusta Seed	A54-58CBLL	PL	CB/GU	109	141	15.0	50.3
Doebler's	634BVR	PL	CB/GY/RW	110	134	15.1	50.6
			Maturity Average		156	16.2	53.0
			L.S.D. (0.05)		16	1.8	4.6
			C.V.		6	7.1	5.4
112-115 Days Relative Maturity							
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	190	18.7	58.3
Augusta Seed	A007P	PH		115	183	19.7	59.3
Seed Consultants	SC 11AX30	C	CB/GU/GY	112	181	16.8	54.7
T.A. Seeds	TA700-15	PL	CB/GU/RW	112	179	19.1	58.7
Seed Consultants	SCS 11HQ38	C	CB/GU/GY/RW	112	179	18.4	57.9
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	176	16.6	54.7
Seed Consultants	EX SCS 9116RR	C	GY	115	175	18.3	57.0
Seed Consultants	SCS 11HQ39	C	CB/GU/GY/RW	113	162	17.6	56.4
Seed Consultants	SC 11VTT45	C	CB/GY/RW	114	151	18.3	57.8
Augusta Seed	A08-01GTCBLL	PL	CB/GU/GY	114	143	20.1	59.6
T.A. Seeds	TA717-19	PL	CB/GU/GY/RW	114	138	20.7	60.0
T.A. Seeds	TA775-13V	PL	CB/GY/RW	115	122	18.4	57.9
			Maturity Average		164	18.6	57.7
			L.S.D. (0.05)		24	1.2	2.1
			C.V.		9	4.2	2.3
>115 Days Relative Maturity							
Augusta Seed	A91-69VT3	PL	CB/GY/RW	119	188	22.0	58.8
Seed Consultants	EX SCS 9117HQ	C	CB/GU/GY/RW	116	182	20.5	59.8
Augusta Seed	A76-64CB	PL	CB	116	180	18.2	57.4
Seed Consultants	SC 11VTT79	C	CB/GY/RW	117	178	18.5	57.8
Augusta Seed	A61-66CBLL	PL	CB/GU	116	175	20.2	59.6
Seed Consultants	SCS 11HR69	C	CB/GU/GY	116	174	19.6	59.0
Augusta Seed	A62-65CBLL	PL	CB/GU	117	166	16.8	54.8

Table 19. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2009 - 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 Seed	A008VT3	PL	CB/GY/RW	117	150	17.9	56.6
T.A. Seeds	TA780-13V	PL	CB/GY/RW	116	150	17.7	56.1
Seed Consultants	SC 11VTT97	C	CB/GY/RW	119	140	18.1	56.5
			Maturity Average		169	19.0	57.7
			L.S.D. (0.05)		34	2.1	3.2
			C.V.		12	6.9	3.4
			Location Average		160	17.6	55.5

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

[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 20, 2009. Harvested October 26, 2009. Population was 20,909 plants/acre.

Table 20. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2008 and 2009 - 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							
Doebler's	660BVR	PL	CB/GY/RW	107	143	18.3	52.6
Augusta Seed	A06-07CBLL	PL	CB/GU	107	140	17.3	51.2
			Maturity Average		142	17.9	52.0
			L.S.D. (0.05)		33	0.8	1.5
			C.V.		16	3.1	1.9
108-111 Days Relative Maturity							
Augusta Seed	A06-06CBLL	PL	CB/GU	111	178	20.4	53.8
Southern States	SS 574 VT3	PH	CB/GY/RW	108	165	17.7	51.2
T.A. Seeds	TA688-11	PL	CB/GU	110	162	19.2	54.8
Doebler's	634BVR	PL	CB/GY/RW	110	148	18.1	53.7
			Maturity Average		163	18.8	53.3
			L.S.D. (0.05)		17	1.2	2.3
			C.V.		9	5.8	3.8
112-115 Days Relative Maturity							
Seed Consultants	SC 11VTT48	C	CB/GY/RW	113	174	20.8	53.9
Augusta Seed	A007P	PH		115	172	22.1	56.7
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	166	19.8	53.8
			Maturity Average		172	21.2	54.3
			L.S.D. (0.05)		21	0.6	0.9
			C.V.		9	2.2	1.3
>115 Days Relative Maturity							
Augusta Seed	A76-64CB	PL	CB	116	181	20.2	54.3
			Location Average		163	19.4	53.6

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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 21. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2007-2008 - 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 Seed	A-06-07CB	PL	CB	107	134	17.5	52.9

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

[2] Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt rootworm, 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.