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VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS IN 2008

Coordinators of Virginia Corn Hybrid Trials in 2008

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Companies Participating in the 2008 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed	Augusta Seed	473 Tisdale Farm Lane, Staunton, VA 24401
Biogene Seeds	Biogene	5477 Tri County Highway, Sardinia, OH 45171
Caverndale Farms	Caverndale Farms	1921 Bluegrass Pike, Danville, KY 40422
Crop Production Services	VIGORO	PO Box 1467 Galesburg, IL 61402-1467
Doebler's PA Hybrids, Inc	Doebler's	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
Pioneer Hi-Bred International	Pioneer	700 Boulevard South, Suite 302, Huntsville, AL 35802
Seed Consultants, Inc	Seed Consultants	PO Box 370 Washington Courthouse, OH 43160
Southern States Cooperative, Inc	Southern States	6606 West Broad St Richmond, VA 23230
Syngenta	NK Seeds and Garst	PO Box 959 Minneapolis, MN 55440
T.A. Seeds	T.A. Seeds	PO Box 300 Avis, PA 17721
Trisler Seeds, Inc	Trisler	3274 E 800 North Rd, Fairmount, IL 61841
UAP Distribution, Inc	Dyna-Gro	140 Office Parkway Pittsford, NY 14534
UniSouth Genetics, Inc	USG	2640-C Nolensville Rd, Nashville, TN 37211

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Background Information

Performance trials of commercial corn hybrids were conducted at seven locations in Virginia in 2008. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All locations except Orange were planted with a Wintersteiger PlotKing 2600. Orange was planted by hand and thinned to the desired population. All locations except Orange were harvested with a Massey-Ferguson 8XP plot combine. Orange was hand-harvested and shelled to obtain grain weights. 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.

2008 Growing Season

Temperatures in early and mid-April were four to eight degrees cooler than the long-term average and rainfall was near normal. The cool and often damp weather slowed corn planting through most of the Commonwealth. On April 15, total corn acreage planted was estimated to be 30% which was 5% below the 5-year average and 20% less than 2007. April continued cooler than normal, but drier conditions prevailed and by May 1, corn planted was slightly ahead of the 5-year average. By late May, approximately 50% of the state was rated as short of topsoil moisture and this resulted in stress on most of the crop. Because of the cool start to the season and early-season moisture stress, many corn stands were less than desired and on June 15, 47% of corn was rated as good with 40% rated fair. By July 1, 51% of the crop was rated fair. Areas were the crop was better depended on receiving scatter showers. Fields that did not receive these showers were significantly stressed by mid-July with 69% of the crop reported to be silking by this date. As the season progressed, scattered thunderstorms provided relief and better yields in some areas but these were not generally widespread. Average yield for the Commonwealth is predicted to be 101 bushels per acre by the Virginia Ag Statistics Service which is up 26 bushels per acre from last year and is 7 bushels below the 5 year average yield. Approximately 350,000 acres are expected to be harvested, down 55,000 acres from 2007 and down 30,000 acres from the five year average. Total production is estimated at 35 million bushels in 2008.

2008 Virginia Corn Hybrid Plot Information

(Rates are on a per acre basis.)

Blacksburg Whitethorne Farm
Planted: May 14, 2008
Harvested: October 28, 2008
Pesticide: 3 pt Gramoxone Xtra® + 2 qt Medal II Magnum® + 1 lb Simtrol 90® + 1 oz Python® + 0.25% 80/20 non-ionic surfactant April 30, 2008; 3 oz Calisto® + .67 oz Accent® + 8 oz Atrazine 90® + 1% COC June 26, 2008.
Fertilizer: 60-60-60 preplant incorporated April 24, 2008; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 115 lb N July 1, 2008.
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Hayter
Cooperator: Jon Wooge

Blackstone Southern Piedmont Agricultural Research & Extension Center
Planted: April 17, 2008
Harvested: September 11, 2008
Pesticide: 4.5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 7 oz Callisto® + 2 qt atrazine 4L April 18, 2008.
Fertilizer: 550 lb 10-10-10 + 2000 lb lime preplant incorporated April 15, 2008; 17 gal 20-10-0-2S-.83B-.33Zn at planting; 80 lb N topdressed using 34-0-0 May 27, 2008.
Irrigation: **2**.0" June 25, 2008
Plot Size: 2 rows 25' x 30" 4 replications
Soil Type: Spotsylvania-Cecil-Bourne Sandy Loam
Cooperator: Ned Jones

Holland Tidewater Agricultural Research & Extension Center
Planted: April 18, 2008
Harvested: September 15, 2008
Pesticide: 3 qt Lariat® preplant incorporated + 4.5 lb Force 3G® at planting.
Fertilizer: 1500 lb lime March 7, 2007 + 300 lb 9-15-36 March 24, 2007; 60 units N April 9, 2007; 17 gal 20-10-0-2S-.33Zn at planting; 80 units N using UAN sidedressed May 24, 2007
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Eunola, Dragston and Reins
Cooperator: Bobby Ashburn

Mt Holly (dryland site) Virginia Crop Improvement Association Foundation Seed Farm
Planted: April 24, 2008
Harvested: September 22, 2008
Pesticide: 5.5 pt Lumax + 1.5 pt Atrazine + 1.5 pt Simazine + 2 pt Gramoxone preplant incorporated + 4.5 lb Force 3G® at planting.
Fertilizer: 60-40-60 preplant incorporated; 17 gal 20-10-0-2S-.33Zn at planting; 75 lb N + 9 lb S sidedressed May 28, 2008.
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 25-26, 2008
Harvested: October 1, 2008
Pesticide: 5.5 pt Lumax + 1.5 pt Atrazine + 1.5 pt Simazine + 2 pt Gramoxone preplant incorporated + 4.5 lb Force 3G® at planting.
Fertilizer: 60-60-90 preplant incorporated; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting + 140 lb N + 17 lb S May 29, 2008.
Irrigation: 0.9 in June 30 1.0 in July 16
0.9 in July 7 1.0 in July 21
1.0 in July 12 1.0 in August 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 21-22, 2008
Harvested: October 20, 2008
Pesticide: 3 qt Lumax® + 1 qt atrazine preplant incorporated May 6, 2008.
Fertilizer: 100-106-0 preplant incorporated May 6, 2008; 100 lb N sidedressed June 24, 2008.
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: May 7, 2008
Harvested: October 30, 2008
Pesticide: 1.2 qt Roundup® + 2.8 qt Harness Extra® + 1 qt Princep® preplant + 4.5 lb Force 3G® at planting.
Fertilizer: 1.5 tons poultry litter preplant + 17 gal 20-10-0-2.2S-.127B-.25Zn 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

Washington County (Thanks to Johnny Robinson)
Planted: May 28, 2008
Harvested: November 25, 2008
Pesticide: burndown of cover with Roundup® and 2,4-D; 2 qt Lumax®; spot treatment with Accent® for johnsongrass.
Fertilizer: 70 lb N with NutriSphere preplant; 17 gal 20-10-0-2.2S-.127B-.25Zn at planting; 100 lb N with NutriSphere topdress.
Plot Size: 2 rows 35' x 30" 4 replications
Soil Type: Wyrick-Marbie
Cooperators: Phil Blevins and Johnny Robinson

Table 1. 2008 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	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
<108 Days Relative Maturity													
Trisler	T-5A01VT3	PL	CB/GY/RW	107	99	119	111	---	---	91	---	---	105
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	111	108	110	---	99	95	---	---	105
Augusta Seed	A-06-07CB	PH	CB	107	---	103	107	---	---	95	94	---	100
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	---	99	106	---	90	---	---	---	98
VIGORO	V4683VT3	PL	CB/GY/RW	106	---	105	94	---	88	---	---	---	96
Augusta Seed	A5231CB	PL	CB	104	---	100	96	---	---	86	---	---	94
Doebler's	660BVR	PL	CB/GY/RW	107	109	103	102	63	87	102	93	88	93
Pioneer	36V75(HX1/LL/RR2)	PL	CB/GU/GY	102	84	103	92	---	---	---	---	---	93
Augusta Seed	A08-05VT3	PL	CB/GY/RW	100	93	100	87	---	---	85	---	---	91
Mid-Atlantic	MA8039RR		GY	103	84	101	94	---	89	78	---	---	89
Augusta Seed	A06-62HX	PL	CB/GU	100	91	101	86	---	---	61	---	---	85
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	88	97	88	57	69	94	85	---	83
Dyna-Gro	55B49	PL	CB/GY/RW	105	88	---	---	---	---	73	75	---	79
108-111 Days Relative Maturity													
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	121	101	109	119	112	109	---	---	112
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	109	105	107	---	129	107	---	---	111
Augusta Seed	A08-11CB	PL	CB	109	118	103	109	---	---	106	---	---	109
Southern States	SS 647 VT3	PL	CB/GY/RW	110	---	106	112	---	129	100	97	---	109
Augusta Seed	A06-06CB	PH	CB/GU	111	---	103	107	---	106	101	114	---	106
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	84	96	99	151	105	95	---	---	105
Trisler	T-5N51VT3	PL	CB/GY/RW	108	101	102	112	---	---	104	---	---	105
T.A. Seeds	TA688-11	PL	CB/GU	111	108	97	107	93	110	95	122	---	105
Augusta Seed	A08-01GTCB	PL	CB/GY	111	103	111	104	---	97	105	106	---	104
Augusta Seed	A08-09RR	PL	GY	111	112	99	103	---	---	102	---	---	104
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	---	101	99	---	119	89	110	---	104
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	104	107	101	92	113	---	---	---	103
Seed Consultants	SC11H17	C	CB/GU	110	---	95	102	---	129	91	93	---	102
Augusta Seed	A07-20GTCB	PL	CB/GY	110	100	111	106	---	94	92	108	---	102
Augusta Seed	A08-12	PL		109	89	97	97	66	130	107	117	111	102
Augusta Seed	A08-03RRRW	PL	GY/RW	111	---	108	103	---	---	94	---	---	102
Augusta Seed	A07-40	PL		109	86	113	106	---	---	100	---	---	101
NK Seeds	N64Z-CB/LL/RW	C	CB/GU/RW	109	---	107	105	---	88	102	---	---	101
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	---	105	106	92	97	97	---	---	99

Table 1. 2008 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	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	111	109	113	63	96	103	---	---	99
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	96	97	101	97	105	97	---	---	99
Hubner	H5636VT3	PL	CB/GY/RW	111	106	90	101	---	105	92	---	---	99
Mid-Atlantic	MA5085	PL		108	84	103	105	92	104	99	---	---	98
Augusta Seed	A5234VT3	PL	CB/GY/RW	110	---	103	93	---	97	---	---	---	98
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	109	86	103	90	92	104	---	---	97
Doebler's	634BVR	PL	CB/GY/RW	110	89	95	96	87	103	108	104	94	97
Hubner	H5477PR	PL	CB/GY/RW	110	108	96	94	---	92	92	---	---	96
Augusta Seed	A-06-04HX	PL	CB/GU	109	---	97	98	---	114	84	80	---	95
DEKALB	RX674VT3	PL	CB/GY/RW	109	---	107	111	67	93	94	---	---	94
VIGORO	V5073VT3	PL	CB/GY/RW	110	---	99	101	---	82	---	---	---	94
Trisler	T-6N52VT3	PL	CB/GY/RW	110	94	95	91	---	---	88	---	---	92
Seed Consultants	SC 11YP07	C	CB/RW	109	---	93	96	---	99	80	86	---	91
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	78	102	91	---	---	---	---	---	90
112-115 Days Relative Maturity													
Pioneer	33M57(HX1/LL/RR2)	PL	CB/GU/GY	115	119	98	95	158	111	105	---	---	114
Seed Consultants	SCS 11RR49	C	CB	113	---	117	105	---	119	117	110	---	114
Augusta Seed	A08-06CB	PL	CB	115	113	107	101	125	112	117	119	98	112
Mid-Atlantic	MA8148BtRR	PL	CB/GY	114	---	112	108	---	---	109	---	---	110
Seed Consultants	SC 11VTT58	PL	CB/GY/RW	114	---	99	106	---	128	96	114	---	109
Dyna-Gro	57V21	PL	CB/GY/RW	115	104	102	102	113	121	116	112	95	108
Trisler	T-7N53VT3	PL	CB/GY/RW	112	103	107	104	---	---	117	---	---	108
NK Seeds	N73V-CB/LL	C	CB/GU	113	---	108	103	---	106	112	---	---	107
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	128	104	103	---	84	111	---	---	106
Garst	83X58 CB/LL	C	CB/GU	113	---	113	103	---	94	114	---	---	106
Seed Consultants	SC 11H38	C	CB/GU	112	---	97	103	---	100	119	109	---	106
VIGORO	V5373VT3	PL	CB/GY/RW	113	117	100	100	128	98	88	---	---	105
Augusta Seed	A5337RRCB	PH	CB/GY	113	113	101	96	125	110	97	93	104	105
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	92	100	103	110	111	112	---	---	105
Doebler's	733RB	PL	CB/GY	115	99	98	90	124	103	113	103	107	105
T.A. Seeds	TA765-00	PL		115	91	101	97	---	112	121	---	---	104
Southern States	SS 731CL		IT	115	---	100	96	130	102	93	---	---	104
Augusta Seed	A007Q	PH		115	---	98	104	---	---	109	105	---	104

Table 1. 2008 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	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
Augusta Seed	A08-08VT3	PL	CB/GY/RW	113	---	93	109	---	---	105	106	---	103
Augusta Seed	A08-10CB	PL	CB	113	---	109	98	---	100	109	100	---	103
Augusta Seed	A06-10	PL		113	---	---	---	135	89	116	78	96	103
VIGORO	V5183VT3	PL	CB/GY/RW	112	111	113	93	82	115	---	---	---	103
Mid-Atlantic	MA5125CBLLRW	PL	CB/GU/RW	112	---	110	100	---	---	98	---	---	103
Hubner	H5582VT3	PL	CB/GY/RW	112	103	90	96	---	102	122	---	---	103
Dyna-Gro	57V44	PL	CB/GY/RW	112	106	103	95	132	98	90	101	95	103
Trisler	T-8A02VT3	PL	CB/GY/RW	113	95	98	102	---	---	113	---	---	102
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	---	93	102	---	100	108	106	---	102
T.A. Seeds	TA780-01	PL	CB	115	106	101	99	104	96	113	92	---	102
Doebler's	735BVR	PL	CB/GY/RW	115	107	96	96	120	88	92	109	103	101
Augusta Seed	A08-07HX	PL	CB/GU	113	112	103	102	96	98	97	96	106	101
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	---	100	96	---	114	93	103	---	101
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	---	109	101	73	107	116	---	---	101
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	110	101	97	105	100	94	---	---	101
USG	USG 80B00			115	89	101	98	118	---	103	95	---	101
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	109	94	94	98	110	98	93	104	100
VIGORO	V54R86	PL	GY	114	104	94	96	---	---	106	---	---	100
VIGORO	V5273VT3	PL	CB/GY/RW	112	---	115	105	---	89	89	---	---	100
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	---	86	100	---	99	107	104	---	99
T.A. Seeds	TA777-11	PL	CB/GU	115	109	106	98	94	101	105	74	---	98
NK Seeds	N75-A4	C	CB/GU	113	97	101	101	80	112	97	---	---	98
DEKALB	DKC62-99(YGCB/RR2	PL	CB/GY	112	108	110	99	54	110	105	---	---	98
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	---	103	97	64	112	109	---	---	97
Garst	83A22 CB/LL	C	CB/GU	113	---	115	98	---	67	107	---	---	97
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	107	104	92	---	77	96	---	---	95
VIGORO	V5383VT3	PL	CB/GY/RW	113	---	99	100	---	82	---	---	---	94
Hubner	H5828VT3	PL	CB/GY/RW	115	105	90	94	---	92	87	---	---	94
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	88	102	94	89	87	100	---	---	93
Trisler	T-8N51RRCB	PL	CB/GY	114	85	99	92	---	---	---	---	---	92
Seed Consultants	SCS 1139	C		112	---	88	75	---	99	80	87	---	86

Table 1. 2008 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	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
>115 Days Relative Maturity													
Augusta Seed	A008CBQ	PH	CB	117	123	99	104	---	---	---	---	---	109
VIGORO	V5673VT3	PL	CB/GY/RW	116	109	90	106	125	---	103	---	---	107
Doebler's	855RB	PH	CB/GY	118	118	98	96	115	96	99	111	104	105
DEKALB	DKC67-87(YGCB/RR2	PL	CB/GY	117	121	93	106	96	102	107	---	---	104
USG	USG 82C00			116	102	91	105	124	---	107	92	---	104
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	107	95	107	106	96	108	---	---	103
Augusta Seed	A-06-02HX	PL	CB/GU	119	111	---	---	---	---	101	96	---	103
Southern States	SS 777 VT3	PL	CB/GY/RW	116	106	103	106	94	---	---	---	---	102
T.A. Seeds	TA788-11	PL	CB/GU	117	103	93	102	126	83	107	90	---	101
Southern States	SS 775 RR2	PL	GY	116	95	92	106	101	---	---	---	---	99
DEKALB	DKC67-23(YGCB/RR2	PL	CB/GY	117	111	96	106	73	101	98	---	---	98
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	109	87	107	84	100	99	100	90	97
Augusta Seed	A-07-08	PL		117	111	83	105	---	88	103	92	---	97
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	---	85	92	93	---	97	118	---	97
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	98	92	102	94	98	95	---	---	97
Seed Consultants	SC 11BR97	C	CB/GY	119	---	87	92	---	113	97	90	---	96
Garst	82H80 GT/CB/LL	C	CB/GU/GY	117	---	85	107	---	90	99	---	---	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.

[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* (2007-2008) 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						
VIGORO	V4683VT3	PL	CB/GY/RW	106	20	104
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	34	102
Augusta Seed	A5231CB	PL	CB	104	24	101
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	23	101
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	42	97
108-111 Days Relative Maturity						
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	37	108
Southern States	SS 647 VT3	PL	CB/GY/RW	110	35	101
Augusta Seed	A-06-04HX	PL	CB/GU	109	39	100
Augusta Seed	A5234CB	PL	CB	110	22	100
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	39	100
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	35	97
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	23	94
112-115 Days Relative Maturity						
NK Seeds	N75-A4	C	CB/GU	113	37	108
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	42	107
Augusta Seed	A5337RRCB	PH	CB/GY	113	57	105
Southern States	SS 731CL		IT	115	37	104
T.A. Seeds	TA777-11	PL	CB/GU	115	43	102
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	39	102
Dyna-Gro	57V44	PL	CB/GY/RW	112	51	101
VIGORO	V5273VT3	PL	CB/GY/RW	112	23	101
T.A. Seeds	TA780-01	PL	CB	115	42	101
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	43	96
>115 Days Relative Maturity						
Seed Consultants	SC 11BR97	C	CB/GY	119	37	104
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	45	102
T.A. Seeds	TA788-11	PL	CB/GU	117	45	102
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	56	101
Augusta Seed	A-06-02HX	PL	CB/GU	119	31	98
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	45	97
Augusta Seed	A-07-08	PL		117	52	97

* 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 r 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* (2006-2008) 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	A5231CB	PL	CB	104	35	101
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	44	101
108-111 Days Relative Maturity						
Augusta Seed	A5234CB	PL	CB	110	38	100
Augusta Seed	A-06-04HX	PL	CB/GU	109	53	99
112-115 Days Relative Maturity						
Augusta Seed	A5337RRCB	PH	CB/GY	113	85	106
>115 Days Relative Maturity						
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	85	102
Augusta Seed	A-06-02HX	PL	CB/GU	119	44	100

* 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 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 companies.

Table 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2008 - Virginia Tech Trials.

Brand/Company	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	175	22.8	52.3	2
Trisler	T-4S61VT3	PL	CB/GY/RW	106	171	21.6	54.3	2
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	164	23.6	53.0	0
Trisler	T-5A01VT3	PL	CB/GY/RW	107	159	19.1	54.2	2
Dyna-Gro	55B49	PL	CB/GY/RW	105	142	21.4	55.5	0
Augusta Seed	A06-62HX	PL	CB/GU	100	137	19.8	52.8	3
Pioneer	36V75(HX1/LL/RR2)	PL	CB/GU/GY	102	136	19.7	52.1	4
Mid-Atlantic	MA8039RR		GY	103	136	20.6	55.6	3
Augusta Seed	A08-05RR	PL	GY	100	135	20.2	56.1	3
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	131	20.4	54.3	3
			Maturity Average		149	20.9	54.0	2
			L.S.D. (0.05)		25	1.9	2.0	3
			C.V.		12	6.4	2.5	---
108-111 Days Relative Maturity								
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	194	21.7	52.2	0
Augusta Seed	A08-11CB	PL	CB	109	189	23.6	50.8	2
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	179	21.6	52.9	1
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	175	24.7	50.7	1
Hubner	H5636VT3	PL	CB/GY/RW	111	170	23.4	54.9	1
Augusta Seed	A08-09RRRW	PL	GY/RW	111	169	22.7	53.8	2
Hubner	H5477PR	PL	CB/GY/RW	110	163	22.7	55.2	1
Trisler	T-5N51VT3	PL	CB/GY/RW	108	163	21.4	53.9	2
T.A. Seeds	TA688-11	PL	CB/GU	111	162	24.1	52.9	1
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	161	22.3	53.5	2
Augusta Seed	A07-20GTCB	PL	CB/GY	110	161	23.8	51.6	2
Augusta Seed	A08-01GTCB	PL	CB/GY	111	158	24.3	53.0	1
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	154	20.4	52.9	1
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	152	22.9	52.5	1
Trisler	T-6N52VT3	PL	CB/GY/RW	110	151	21.6	54.9	1
Trisler	T-7A14CB	PL	CB	111	150	23.8	54.2	1
Augusta Seed	A07-40	PL		109	138	20.9	55.2	3
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	136	21.6	53.4	2
Doebler's	634BVR	PL	CB/GY/RW	110	130	22.3	56.5	1
Augusta Seed	A08-19	PL		109	129	23.9	52.0	2
Mid-Atlantic	MA5085	PL		108	128	20.8	53.6	3
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	125	19.2	54.9	1
			Maturity Average		156	22.4	53.4	1
			L.S.D. (0.05)		31	1.7	2.0	3
			C.V.		14	5.2	2.6	---
112-115 Days Relative Maturity								
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	206	23.6	51.1	1
VIGORO	V5373VT3	PL	CB/GY/RW	113	189	25.4	50.2	1
Dyna-Gro	57V21	PL	CB/GY/RW	115	183	25.2	50.2	1
Augusta Seed	A5337RRCB	PH	CB/GY	113	182	26.2	49.5	4
Augusta Seed	A08-07HX	PL	CB/GU	113	180	23.8	51.0	0
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	179	26.2	54.6	3
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	177	26.1	49.0	1
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	176	22.2	52.7	4

Table 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
T.A. Seeds	TA777-11	PL	CB/GU	115	175	23.5	53.8	1
Doebler's	735BVR	PL	CB/GY/RW	115	173	25.9	53.7	1
Augusta Seed	A76-64CB	PL	CB	115	171	24.8	50.2	2
VIGORO	V5183VT3	PL	CB/GY/RW	112	169	23.1	54.9	1
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	168	22.3	53.5	1
Hubner	H5582VT3	PL	CB/GY/RW	112	166	21.4	52.5	1
Trisler	T-7N53VT3	PL	CB/GY/RW	112	166	23.7	53.8	4
Dyna-Gro	57V44	PL	CB/GY/RW	112	163	23.2	52.4	0
NK Seeds	N77P 3000 GT	C	CB/GU/GY	114	162	25.2	49.4	5
Hubner	Ex828BRPH	PH	CB/GY	115	161	24.2	52.4	3
DEKALB	DKC62-99(YGCB/RR2)	PL	CB/GY	112	160	24.7	53.1	1
VIGORO	V54R86	PL	GY	114	159	23.1	53.5	1
T.A. Seeds	TA780-01	PL	CB	115	158	26.0	51.0	1
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	148	20.5	51.6	4
NK Seeds	N75-A4	C	CB/GU	113	146	25.3	52.6	1
Doebler's	733RB	PL	CB/GY	115	145	26.0	52.4	0
Trisler	T-8A02VT3	PL	CB/GY/RW	113	139	22.6	52.1	1
T.A. Seeds	TA765-00	PL		115	138	26.0	54.1	6
Trisler	T-8N51RRCB	PL	CB/GY	114	137	24.6	54.6	3
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	131	24.4	53.1	3
USG	USG 80B00			115	129	26.2	53.7	4
Trisler	T-7N52PLRR	PL	CB/GY/RW	112	120	20.9	52.1	1
			Maturity Average		162	24.2	52.3	2
			L.S.D. (0.05)		30	1.7	2.2	3
			C.V.		13	5.0	3.0	---
>115 Days Relative Maturity								
Augusta Seed	A008CBQ	PH	CB	117	200	25.2	50.1	1
Doebler's	855RB	PH	CB/GY	118	191	27.2	52.4	0
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	189	25.7	53.3	3
VIGORO	V60YR82	PL	CB/GY	120	183	25.4	53.0	1
Augusta Seed	A-06-02HX	PL	CB/GU	119	179	26.9	47.8	3
Augusta Seed	A-07-08	PL		117	179	24.5	53.4	3
VIGORO	V57YR82	PL	CB/GY	117	177	27.1	55.6	1
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	174	25.8	54.6	1
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	172	24.8	53.5	1
Southern States	SS 777 VT3	PL	CB/GY/RW	116	171	26.4	50.8	2
T.A. Seeds	TA788-11	PL	CB/GU	117	166	23.9	51.2	1
VIGORO	V5673VT3	PL	CB/GY/RW	116	164	26.5	51.7	1
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	164	26.7	51.8	2
USG	USG 82C00			116	164	23.6	52.7	0
NK Seeds	N82-A7	C	CB/GU	117	163	26.2	49.3	0
NK Seeds	N78N-GT/CB/LL	C	CB/GU/GY	117	161	28.1	50.6	0
Southern States	SS 775 RR2	PL	GY	116	152	25.5	51.8	4
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	142	27.3	55.2	0
			Maturity Average		172	25.9	52.2	1
			L.S.D. (0.05)		34	1.6	1.7	3
			C.V.		14	4.3	2.2	---
			Location Average		161	23.7	52.8	2

Table 4. Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 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.
Planted April 18, 2008. Harvested September 15, 2008.

Table 5. Two-year Average Corn Yields at the Tidewater AREC at HOLLAND, VIRGINIA in 2007 and 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	149	17.0	56.0	1
108-111 Days Relative Maturity								
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	161	19.2	55.1	1
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	158	17.7	54.7	1
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	137	17.0	55.9	1
			Maturity Average		151	17.9	55.2	1
			L.S.D. (0.05)		18	0.4	1.6	3
			C.V.		10	2.2	2.6	---
112-115 Days Relative Maturity								
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	176	21.8	57.0	1
Augusta Seed	A5337RRCB	PH	CB/GY	113	174	22.2	52.1	2
Dyna-Gro	57V44	PL	CB/GY/RW	112	172	20.4	53.9	0
Trisler	T-7N52PLRR	PL	CB/GY/RW	112	138	19.2	54.9	2
			Maturity Average		164	20.9	54.4	1
			L.S.D. (0.05)		27	1.2	1.3	2
			C.V.		14	4.9	2.2	---
>115 Days Relative Maturity								
VIGORO	V5673VT3	PL	CB/GY/RW	116	180	22.2	54.2	1
VIGORO	V60YR82	PL	CB/GY	120	179	22.9	54.2	1
Augusta Seed	A-06-02HX	PL	CB/GU	119	175	24.0	50.1	6
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	174	21.6	55.0	2
Augusta Seed	A-07-08	PL		117	173	20.8	55.5	4
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	171	21.9	55.1	3
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	166	21.9	54.7	3
NK Seeds	N82-A7	C	CB/GU	117	157	23.1	52.2	2
			Maturity Average		171	22.3	53.8	3
			L.S.D. (0.05)		15	0.7	1.3	4
			C.V.		18	2.7	2.2	---
			Location Average		164	20.7	54.4	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 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, 2006-2008 - 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							
Augusta Seed	A5337RRCB	PH	CB/GY	113	168	23.7	51.9
>115 Days Relative Maturity							
Augusta Seed	A-06-02HX	PL	CB/GU	119	167	25.7	50.0
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	164	23.6	54.1
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	163	23.5	54.5
			Maturity Average		165	24.2	52.8
			L.S.D. (0.05)		13	0.4	1.3
			C.V.		8	1.9	2.6
			Location Average		166	24.1	52.6

[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 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 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Trisler	T-5A01VT3	PL	CB/GY/RW	107	182	15.2	55.4	0
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	164	18.2	55.3	0
VIGORO	V4683VT3	PL	CB/GY/RW	106	160	16.7	57.1	0
Pioneer	36V75(HX1/LL/RR2)	PL	CB/GU/GY	102	158	15.1	53.7	0
Doebler's	660BVR	PL	CB/GY/RW	107	158	16.3	53.9	0
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	157	15.3	53.1	1
Augusta Seed	A06-62HX	PL	CB/GU	100	155	16.1	54.8	0
Mid-Atlantic	MA8039RR		GY	103	155	15.8	57.2	0
Augusta Seed	A08-05RR	PL	GY	100	153	16.3	56.6	0
Augusta Seed	A5231CB	PL	CB	104	152	17.9	56.8	0
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	152	16.8	53.8	0
Mid-Atlantic	MA8008BtRR	PL	CB/GY	100	148	14.7	55.7	0
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	148	17.0	56.6	0
			Maturity Average		157	16.3	55.4	0
			L.S.D. (0.05)		21	0.8	0.9	1
			C.V.		9	3.2	1.1	---
108-111 Days Relative Maturity								
Augusta Seed	A07-40	PL		109	172	17.9	57.2	1
Augusta Seed	A07-20GTCB	PL	CB/GY	110	169	18.6	52.5	1
Augusta Seed	A08-01GTCB	PL	CB/GY	111	169	19.1	54.7	0
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	167	16.4	54.2	2
Augusta Seed	A08-03VT3	PL	CB/GY/RW	111	165	17.1	56.3	0
DEKALB	RX674VT3	PL	CB/GY/RW	109	164	17.1	54.3	0
NK Seeds	N64Z-CB/LL/RW	C	CB/GU/RW	109	164	15.9	55.5	1
Mid-Atlantic	MA5100CBLLRW	PL	CB/GU/RW	110	163	17.4	55.3	1
Southern States	SS 647 VT3	PL	CB/GY/RW	110	163	16.5	53.4	1
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	163	17.1	53.3	2
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	161	17.1	54.8	1
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	161	17.8	54.6	1
Mid-Atlantic	MA5085	PL		108	158	17.7	57.8	0
Augusta Seed	A06-06CBLL	PH	CB/GU	111	158	18.0	54.2	2
Trisler	T-5N51VT3	PL	CB/GY/RW	108	157	17.2	54.8	0
Augusta Seed	A08-11CB	PL	CB	109	157	18.5	52.7	2
Augusta Seed	A5234CB	PL	CB	110	157	17.8	54.6	0
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	156	15.9	55.9	0
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	155	17.1	53.6	2
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	154	16.5	54.0	1
VIGORO	V5073VT3	PL	CB/GY/RW	110	152	17.9	54.8	0
Augusta Seed	A08-09RRRW	PL	GY/RW	111	151	16.9	52.8	4
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	148	16.5	54.5	0
Augusta Seed	A-06-04HX	PL	CB/GU	109	148	17.6	54.0	0
Augusta Seed	A08-19	PL		109	148	17.3	54.4	0
T.A. Seeds	TA688-11	PL	CB/GU	111	148	16.4	53.9	0
Hubner	H5477PR	PL	CB/GY/RW	110	147	17.5	56.0	1
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	146	16.5	54.6	2
Seed Consultants	SC11H17	C	CB/GU	110	146	18.4	53.7	0
Doebler's	634BVR	PL	CB/GY/RW	110	145	18.1	57.1	0

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
Trisler	T-6N52VT3	PL	CB/GY/RW	110	145	17.4	55.2	0
Seed Consultants	SC 11YP07	C	CB/RW	109	142	16.4	54.4	0
Hubner	H5636VT3	PL	CB/GY/RW	111	137	17.8	56.4	2
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	132	19.0	51.9	0
			Maturity Average		155	17.4	54.6	1
			L.S.D. (0.05)		20	0.6	1.5	2
			C.V.		9	2.6	1.9	---
112-115 Days Relative Maturity								
Seed Consultants	SCS 11BR89	C	CB	113	179	20.0	54.8	3
VIGORO	V5273VT3	PL	CB/GY/RW	112	176	16.9	53.9	1
Garst	83A22 CB/LL	C	CB/GU	113	176	18.4	53.6	0
Garst	83X58 CB/LL	C	CB/GU	113	174	17.7	55.0	1
VIGORO	V5183VT3	PL	CB/GY/RW	112	173	17.0	56.4	0
Mid-Atlantic	MA8148BtRR	PL	CB/GY	114	172	19.2	55.5	3
DEKALB	DKC62-99(YGCB/RI	PL	CB/GY	112	168	17.9	56.3	0
Mid-Atlantic	MA5125CBLLRW	PL	CB/GU/RW	112	168	19.3	56.2	0
Augusta Seed	A08-10CB	PL	CB	113	167	18.6	55.0	1
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	166	19.1	56.8	0
NK Seeds	N73V-CB/LL	C	CB/GU	113	165	18.1	55.7	3
Trisler	T-7N53VT3	PL	CB/GY/RW	112	164	18.4	56.2	2
Augusta Seed	A76-64CB	PL	CB	115	164	20.0	53.9	0
T.A. Seeds	TA777-11	PL	CB/GU	115	162	18.1	55.6	2
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	159	18.7	53.4	0
Dyna-Gro	57V44	PL	CB/GY/RW	112	158	16.8	54.3	1
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	158	17.8	54.5	1
Augusta Seed	A08-07HX	PL	CB/GU	113	158	18.8	53.7	1
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	157	18.1	56.2	0
Dyna-Gro	57V21	PL	CB/GY/RW	115	156	20.0	52.6	0
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	156	18.3	56.8	1
NK Seeds	N75-A4	C	CB/GU	113	155	19.5	54.9	1
T.A. Seeds	TA765-00	PL		115	155	18.3	55.8	2
Augusta Seed	A5337RRCB	PH	CB/GY	113	154	19.4	53.9	0
T.A. Seeds	TA780-01	PL	CB	115	154	19.7	52.0	1
USG	USG 80B00			115	154	18.2	57.2	3
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	154	19.8	51.6	1
VIGORO	V5373VT3	PL	CB/GY/RW	113	153	18.8	52.6	2
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	153	19.0	53.9	2
Southern States	SS 731CL		IT	115	153	18.9	53.5	2
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	152	16.5	54.5	0
VIGORO	V5383VT3	PL	CB/GY/RW	113	151	18.3	55.2	2
Seed Consultants	SC 11BR58	PL	CB/GY/RW	114	151	19.4	53.9	0
Trisler	T-8N51RRCB	PL	CB/GY	114	151	18.5	55.8	0
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	151	19.2	58.1	2
Seed Consultants	SC 11H38	C	CB/GU	112	149	18.7	55.9	1
Trisler	T-8A02VT3	PL	CB/GY/RW	113	149	18.2	54.8	1
Doebler's	733RB	PL	CB/GY	115	149	19.2	54.7	0
Augusta Seed	A007Q	PH		115	149	17.7	55.4	2
Doebler's	735BVR	PL	CB/GY/RW	115	147	19.4	56.5	1

Table 7. Corn Yields under DRYLAND conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	144	16.6	52.3	5
VIGORO	V54R86	PL	GY	114	144	16.9	53.3	4
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	142	19.8	51.9	0
Augusta Seed	A08-08VT3	PL	CB/GY/RW	113	142	19.4	52.8	0
Hubner	H5582VT3	PL	CB/GY/RW	112	138	16.0	53.2	2
Hubner	Ex828BRPH	PH	CB/GY	115	138	18.9	55.0	0
Seed Consultants	SCS 1139	C		112	134	19.6	55.9	0
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	132	18.5	55.3	0
			Maturity Average		156	18.5	54.7	1
			L.S.D. (0.05)		19	0.7	1.5	3
			C.V.		9	2.8	2.0	---
>115 Days Relative Maturity								
Southern States	SS 777 VT3	PL	CB/GY/RW	116	157	20.4	53.2	0
Augusta Seed	A008CBQ	PH	CB	117	151	18.6	52.3	0
Doebler's	855RB	PH	CB/GY	118	150	21.8	54.9	0
DEKALB	DKC67-23(YGCB/RI	PL	CB/GY	117	147	19.6	55.0	0
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	146	19.0	54.0	2
DEKALB	DKC67-87(YGCB/RI	PL	CB/GY	117	142	19.3	54.1	1
T.A. Seeds	TA788-11	PL	CB/GU	117	142	17.6	53.7	6
USG	USG 82C00			116	140	19.7	55.5	2
Southern States	SS 775 RR2	PL	GY	116	140	19.1	53.9	2
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	140	21.5	55.0	0
VIGORO	V5673VT3	PL	CB/GY/RW	116	138	19.4	53.6	0
Seed Consultants	SC 11BR97	C	CB/GY	119	133	22.0	56.6	1
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	133	18.9	54.8	4
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	131	20.5	54.0	0
Garst	82H80 GT/CB/LL	C	CB/GU/GY	117	129	21.2	52.7	0
Augusta Seed	A-07-08	PL		117	127	19.6	54.5	2
			Maturity Average		140	19.9	54.2	1
			L.S.D. (0.05)		18	0.9	1.4	3
			C.V.		9	3.0	1.8	---
			Location Average		153	18.1	54.7	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, 2008. Harvested September 22, 2008.

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.

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	MA8044VT3	PL	CB/GY/RW	104	112	16.3	56.0
VIGORO	V4683VT3	PL	CB/GY/RW	106	110	16.7	56.2
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	106	15.3	52.8
Augusta Seed	A5231CB	PL	CB	104	102	17.3	55.2
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	99	16.8	54.0
			Maturity Average		106	16.5	54.8
			L.S.D. (0.05)		16	0.5	0.8
			C.V.		14	2.9	1.3
108-111 Days Relative Maturity							
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	107	17.9	54.2
Augusta Seed	A5234CB	PL	CB	110	104	17.8	54.6
Augusta Seed	A-06-04HX	PL	CB/GU	109	99	17.7	54.9
Southern States	SS 647 VT3	PL	CB/GY/RW	110	96	16.8	53.8
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	94	16.6	55.3
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	91	16.1	54.1
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	83	17.9	53.6
			Maturity Average		97	17.3	54.4
			L.S.D. (0.05)		15	0.5	0.6
			C.V.		15	2.6	1.1
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	115	17.3	54.1
NK Seeds	N75-A4	C	CB/GU	113	115	19.0	55.1
VIGORO	V5273VT3	PL	CB/GY/RW	112	111	16.6	53.9
T.A. Seeds	TA780-01	PL	CB	115	105	19.5	52.5
T.A. Seeds	TA777-11	PL	CB/GU	115	104	18.1	55.7
Augusta Seed	A5337RRCB	PH	CB/GY	113	103	19.8	53.4
Southern States	SS 731CL		IT	115	102	19.2	53.6
Dyna-Gro	57V44	PL	CB/GY/RW	112	96	16.9	54.7
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	95	19.6	53.4
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	85	20.3	56.9
			Maturity Average		103	18.6	54.3
			L.S.D. (0.05)		17	0.7	0.8
			C.V.		16	3.8	1.4
>115 Days Relative Maturity							
Seed Consultants	SC 11BR97	C	CB/GY	119	103	21.5	55.8
T.A. Seeds	TA788-11	PL	CB/GU	117	101	17.8	53.9
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	97	19.6	53.9
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	95	18.7	54.8
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	89	19.4	54.8
Augusta Seed	A-07-08	PL		117	83	19.9	54.5
			Maturity Average		95	19.5	54.6
			L.S.D. (0.05)		12	0.5	0.8
			C.V.		12	2.6	1.4
			Location Average		100	18.1	54.5

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, 2006-2008 - 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	A5231CB	PL	CB	104	111	18.8	55.1
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	110	16.8	52.6
			Maturity Average		110	17.8	53.9
			L.S.D. (0.05)		10	0.7	1.0
			C.V.		10	4.1	2.0
108-111 Days Relative Maturity							
Augusta Seed	A5234CB	PL	CB	110	108	18.8	55.0
Augusta Seed	A-06-04HX	PL	CB/GU	109	103	18.7	54.0
			Maturity Average		105	18.8	54.5
			L.S.D. (0.05)		21	0.6	0.9
			C.V.		21	3.0	1.8
112-115 Days Relative Maturity							
Augusta Seed	A5337RRCB	PH	CB/GY	113	112	21.0	53.4
>115 Days Relative Maturity							
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	98	20.4	54.8
			Location Average		107	19.1	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 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 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	242	21.4	54.1	1
Trisler	T-5A01VT3	PL	CB/GY/RW	107	242	17.8	53.4	0
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	235	18.8	52.0	0
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	233	19.7	52.1	0
Doebler's	660BVR	PL	CB/GY/RW	107	224	19.4	52.4	0
Augusta Seed	A5231CB	PL	CB	104	209	20.3	54.8	0
Mid-Atlantic	MA8039RR		GY	103	207	19.1	53.9	0
VIGORO	V4683VT3	PL	CB/GY/RW	106	206	19.9	54.9	0
Pioneer	36V75(HX1/LL/RR2)	PL	CB/GU/GY	102	201	16.5	51.4	0
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	192	20.0	53.1	0
Augusta Seed	A08-05RR	PL	GY	100	191	19.3	54.8	0
Mid-Atlantic	MA8008BtRR	PL	CB/GY	100	188	18.0	54.2	0
Augusta Seed	A06-62HX	PL	CB/GU	100	188	20.2	52.5	0
			Maturity Average		212	19.3	53.4	0
			L.S.D. (0.05)		24	2.0	2.0	1
			C.V.		8	7.2	2.6	---
108-111 Days Relative Maturity								
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	246	19.3	54.3	0
Trisler	T-5N51VT3	PL	CB/GY/RW	108	245	19.0	54.3	0
Southern States	SS 647 VT3	PL	CB/GY/RW	110	245	19.8	53.0	1
DEKALB	RX674VT3	PL	CB/GY/RW	109	244	20.2	54.2	0
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	238	19.4	52.9	1
Augusta Seed	A08-11CB	PL	CB	109	238	20.2	51.0	0
T.A. Seeds	TA688-11	PL	CB/GU	111	233	19.8	54.7	1
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	233	20.2	53.6	0
Augusta Seed	A06-06CBLL	PH	CB/GU	111	233	20.1	52.7	0
Augusta Seed	A07-20GTCB	PL	CB/GY	110	232	21.0	51.1	1
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	232	19.8	54.6	1
Augusta Seed	A07-40	PL		109	231	19.1	55.4	0
Mid-Atlantic	MA5085	PL		108	229	19.2	55.2	0
NK Seeds	N64Z-CB/LL/RW	C	CB/GU/RW	109	229	18.3	53.3	1
Augusta Seed	A08-01GTCB	PL	CB/GY	111	228	20.2	53.9	1
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	226	20.4	52.3	0
Augusta Seed	A08-09RRRW	PL	GY/RW	111	226	18.6	51.8	2
Augusta Seed	A08-03VT3	PL	CB/GY/RW	111	226	19.2	54.6	0
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	222	19.5	54.2	1
Seed Consultants	SC11H17	C	CB/GU	110	222	20.7	52.4	0
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	221	19.9	52.1	0
Hubner	H5636VT3	PL	CB/GY/RW	111	221	20.3	55.4	1
VIGORO	V5073VT3	PL	CB/GY/RW	110	220	19.2	52.9	1
Mid-Atlantic	MA5100CBLLRW	PL	CB/GU/RW	110	219	20.5	54.4	0
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	218	19.2	53.4	1
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	217	18.9	54.5	2
Augusta Seed	A-06-04HX	PL	CB/GU	109	214	20.9	52.4	0
Augusta Seed	A08-19	PL		109	212	19.6	52.9	1
Seed Consultants	SC 11YP07	C	CB/RW	109	211	18.7	52.4	0
Doebler's	634BVR	PL	CB/GY/RW	110	211	19.3	57.0	2

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
Hubner	H5477PR	PL	CB/GY/RW	110	206	20.0	54.3	0
Augusta Seed	A5234CB	PL	CB	110	204	19.4	53.0	0
Trisler	T-6N52VT3	PL	CB/GY/RW	110	200	19.1	54.5	0
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	199	19.3	53.0	1
			Maturity Average		224	19.7	53.6	1
			L.S.D. (0.05)		20	1.7	1.5	1
			C.V.		6	6.1	2.0	---
112-115 Days Relative Maturity								
Augusta Seed	A08-08VT3	PL	CB/GY/RW	113	238	19.9	52.6	0
Mid-Atlantic	MA8148BtRR	PL	CB/GY	114	236	19.1	51.1	1
Seed Consultants	SC 11BR58	PL	CB/GY/RW	114	231	20.6	53.1	1
VIGORO	V5273VT3	PL	CB/GY/RW	112	230	19.6	53.0	0
Seed Consultants	SCS 11BR89	C	CB	113	228	22.1	52.8	1
Trisler	T-7N53VT3	PL	CB/GY/RW	112	227	20.4	55.2	1
Augusta Seed	A007Q	PH		115	227	20.4	54.5	0
Garst	83X58 CB/LL	C	CB/GU	113	226	20.6	52.9	0
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	226	21.2	52.7	1
Seed Consultants	SC 11H38	C	CB/GU	112	225	21.1	55.7	1
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	225	19.3	53.6	0
NK Seeds	N73V-CB/LL	C	CB/GU	113	225	19.8	54.2	0
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	224	22.1	51.4	0
Dyna-Gro	57V21	PL	CB/GY/RW	115	224	21.9	50.2	0
Trisler	T-8A02VT3	PL	CB/GY/RW	113	222	19.4	52.3	1
Augusta Seed	A08-07HX	PL	CB/GU	113	222	21.4	52.2	2
NK Seeds	N75-A4	C	CB/GU	113	222	22.0	54.2	1
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	221	21.6	54.8	0
Mid-Atlantic	MA5125CBLLRW	PL	CB/GU/RW	112	220	21.0	53.4	1
Augusta Seed	A76-64CB	PL	CB	115	220	21.1	51.8	0
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	219	20.6	54.4	1
VIGORO	V5373VT3	PL	CB/GY/RW	113	218	19.8	51.3	2
VIGORO	V5383VT3	PL	CB/GY/RW	113	218	20.4	55.2	1
DEKALB	DKC62-99(YGCB/RR2)	PL	CB/GY	112	216	19.9	54.6	0
Garst	83A22 CB/LL	C	CB/GU	113	216	21.5	53.8	0
T.A. Seeds	TA780-01	PL	CB	115	216	22.1	51.2	1
Augusta Seed	A08-10CB	PL	CB	113	215	19.9	53.3	1
T.A. Seeds	TA777-11	PL	CB/GU	115	215	19.9	55.0	1
T.A. Seeds	TA765-00	PL		115	213	20.3	55.9	1
USG	USG 80B00			115	213	19.8	55.6	1
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	213	20.5	51.3	1
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	212	20.4	54.4	0
Hubner	H5582VT3	PL	CB/GY/RW	112	211	18.3	53.7	1
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	211	22.2	52.4	1
Southern States	SS 731CL		IT	115	211	21.7	52.8	1
Augusta Seed	A5337RRCB	PH	CB/GY	113	210	21.9	52.1	1
VIGORO	V54R86	PL	GY	114	210	19.8	54.3	1
Doebler's	735BVR	PL	CB/GY/RW	115	210	21.3	55.5	1
Dyna-Gro	57V44	PL	CB/GY/RW	112	209	19.6	53.7	1
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	207	19.2	54.3	0

Table 10. Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	207	22.2	56.5	0
Hubner	Ex828BRPH	PH	CB/GY	115	206	22.0	54.1	1
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	205	17.6	53.1	2
VIGORO	V5183VT3	PL	CB/GY/RW	112	204	18.0	55.1	0
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	201	20.2	53.2	1
Trisler	T-8N51RRCB	PL	CB/GY	114	201	20.3	53.7	0
Doebler's	733RB	PL	CB/GY	115	198	21.5	55.1	0
Seed Consultants	SCS 1139	C		112	165	22.0	53.4	0
			Maturity Average		216	20.6	53.6	1
			L.S.D. (0.05)		20	1.9	2.0	2
			C.V.		6	6.5	2.7	---
>115 Days Relative Maturity								
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	235	20.4	55.2	0
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	235	21.9	55.0	1
Garst	82H80 GT/CB/LL	C	CB/GU/GY	117	234	21.9	53.2	0
Southern States	SS 777 VT3	PL	CB/GY/RW	116	232	22.8	52.1	1
Southern States	SS 775 RR2	PL	GY	116	232	21.5	52.9	0
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	232	20.5	55.0	4
VIGORO	V5673VT3	PL	CB/GY/RW	116	231	21.5	53.8	0
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	231	20.0	53.8	2
Augusta Seed	A-07-08	PL		117	230	20.5	54.8	1
USG	USG 82C00			116	229	21.2	54.5	0
Augusta Seed	A008CBQ	PH	CB	117	227	21.6	51.8	4
T.A. Seeds	TA788-11	PL	CB/GU	117	225	21.1	52.4	2
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	223	22.3	54.0	0
Doebler's	855RB	PH	CB/GY	118	211	22.3	56.1	2
Seed Consultants	SC 11BR97	C	CB/GY	119	203	22.9	57.2	1
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	201	21.8	55.4	0
			Maturity Average		226	21.5	54.2	1
			L.S.D. (0.05)		21	2.3	2.0	3
			C.V.		7	7.5	2.7	---
			Location Average		219	20.3	53.6	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 25-26, 2008. Harvested October 1, 2008.

Table 11. Two-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA in 2007 and 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	230	18.5	53.0	0
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	223	19.3	53.7	0
Augusta Seed	A5231CB	PL	CB	104	221	19.8	55.7	0
VIGORO	V4683VT3	PL	CB/GY/RW	106	209	19.1	56.2	0
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	197	19.9	54.7	0
			Maturity Average		216	19.3	54.6	0
			L.S.D. (0.05)		20	1.3	1.5	0
			C.V.		9	6.5	2.6	---
108-111 Days Relative Maturity								
Southern States	SS 647 VT3	PL	CB/GY/RW	110	233	19.0	54.1	0
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	225	19.8	53.4	1
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	223	19.7	54.6	0
Augusta Seed	A-06-04HX	PL	CB/GU	109	215	20.4	54.0	0
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	204	19.3	54.3	3
Trisler	T-6A01PLRR	PL	CB/GY/RW	109	201	19.1	54.3	2
Augusta Seed	A5234CB	PL	CB	110	199	19.8	54.6	0
			Maturity Average		214	19.6	54.2	1
			L.S.D. (0.05)		18	1.4	1.2	2
			C.V.		8	7.0	2.1	---
112-115 Days Relative Maturity								
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	226	19.5	54.1	0
VIGORO	V5273VT3	PL	CB/GY/RW	112	224	19.4	54.2	0
T.A. Seeds	TA777-11	PL	CB/GU	115	222	19.8	55.3	1
NK Seeds	N75-A4	C	CB/GU	113	218	21.3	54.6	3
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	214	21.6	53.0	3
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	211	21.9	56.3	0
Dyna-Gro	57V44	PL	CB/GY/RW	112	206	19.6	54.3	1
Southern States	SS 731CL		IT	115	206	21.3	53.4	2
T.A. Seeds	TA780-01	PL	CB	115	204	21.4	52.2	5
Augusta Seed	A5337RRCB	PH	CB/GY	113	195	22.0	52.4	4
			Maturity Average		213	20.8	54.0	2
			L.S.D. (0.05)		20	1.1	1.1	4
			C.V.		9	5.2	2.0	---
>115 Days Relative Maturity								
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	231	19.8	54.8	1
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	226	20.7	55.3	0
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	222	20.8	55.0	3
Augusta Seed	A-07-08	PL		117	222	21.2	54.8	1
T.A. Seeds	TA788-11	PL	CB/GU	117	205	21.2	52.7	1
Seed Consultants	SC 11BR97	C	CB/GY	119	205	22.1	56.7	2
			Maturity Average		218	21.0	54.9	1
			L.S.D. (0.05)		16	1.4	1.1	2
			C.V.		7	6.4	2.0	---
			Location Average		215	20.3	54.3	1

Table 11. Two-year Average Corn Yields under IRRIGATED 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 12. Three-year Average Corn Yields under IRRIGATED conditions at the Virginia Crop Improvement Foundation Seed Farm at MT HOLLY, VIRGINIA, 2006-2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
<108 Days Relative Maturity								
Augusta Seed	A5231CB	PL	CB	104	214	21.5	55.7	15
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	213	20.5	53.1	8
			Maturity Average		213	21.0	54.4	11
			L.S.D. (0.05)		14	0.8	1.3	4
			C.V.		7	4.0	2.6	---
108-111 Days Relative Maturity								
Augusta Seed	A-06-04HX	PL	CB/GU	109	205	21.8	53.9	5
Augusta Seed	A5234CB	PL	CB	110	195	21.6	55.1	17
			Maturity Average		200	21.7	54.5	11
			L.S.D. (0.05)		10	1.0	0.9	16
			C.V.		6	4.8	1.9	---
112-115 Days Relative Maturity								
Augusta Seed	A5337RRCB	PH	CB/GY	113	198	23.5	52.5	15
>115 Days Relative Maturity								
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	217	22.6	55.0	2
			Location Average		207	21.9	54.2	10

[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 13. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2008 - Virginia Tech Trials.

Brand/Company	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	45	.	.	9
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	41	.	.	8
			Maturity Average		43	.	.	9
			L.S.D. (0.05)					
			C.V.					
108-111 Days Relative Maturity								
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	109	17.6	55.7	10
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	85	18.6	54.1	7
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	70	18.0	53.8	5
T.A. Seeds	TA688-11	PL	CB/GU	111	67	18.4	53.2	6
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	66	17.3	56.3	8
Mid-Atlantic	MA5085	PL		108	66	21.5	55.4	8
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	66	18.8	55.8	8
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	65	20.1	55.2	3
Doebler's	634BVR	PL	CB/GY/RW	110	62	21.0	53.8	3
DEKALB	RX674VT3	PL	CB/GY/RW	109	49	19.9	55.2	24
Augusta Seed	A08-19	PL		109	48	23.8	53.3	12
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	46	.	.	8
			Maturity Average		67	19.5	54.7	9
			L.S.D. (0.05)		22	1.8	4.4	7
			C.V.		20	5.2	4.6	---
112-115 Days Relative Maturity								
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	114	23.9	57.0	0
Augusta Seed	A06-10	PL		113	97	20.8	53.4	8
Dyna-Gro	57V44	PL	CB/GY/RW	112	95	18.2	54.5	4
Southern States	SS 731CL		IT	115	94	19.7	53.3	5
NK Seeds	N77P 3000 GT	C	CB/GU/GY	114	94	19.1	55.7	4
VIGORO	V5373VT3	PL	CB/GY/RW	113	92	18.3	51.4	10
Augusta Seed	A5337RRCB	PH	CB/GY	113	90	20.2	53.2	6
Augusta Seed	A76-64CB	PL	CB	115	90	18.8	53.4	2
Doebler's	733RB	PL	CB/GY	115	89	21.6	55.5	3
Doebler's	735BVR	PL	CB/GY/RW	115	86	20.9	58.0	4
USG	USG 80B00			115	85	22.3	55.8	9
Dyna-Gro	57V21	PL	CB/GY/RW	115	81	19.4	54.7	5
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	79	18.2	53.0	5
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	76	18.7	58.6	7
T.A. Seeds	TA780-01	PL	CB	115	75	20.6	51.4	13
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	71	19.9	53.1	6
Augusta Seed	A08-07HX	PL	CB/GU	113	69	20.1	55.4	11
T.A. Seeds	TA777-11	PL	CB/GU	115	68	19.2	51.7	2
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	64	20.1	54.1	8
VIGORO	V5183VT3	PL	CB/GY/RW	112	59	20.3	57.3	4
NK Seeds	N75-A4	C	CB/GU	113	58	20.4	54.5	3
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	53	25.4	54.1	4

Table 13. Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu	Lodging %
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	46	20.2	57.6	4
DEKALB	DKC62-99(YGCB/RR2)	PL	CB/GY	112	39	.	.	4
			Maturity Average		78	20.3	54.6	5
			L.S.D. (0.05)		29	2.1	5.4	8
			C.V.		21	5.7	5.3	---
>115 Days Relative Maturity								
T.A. Seeds	TA788-11	PL	CB/GU	117	91	18.9	54.4	3
VIGORO	V5673VT3	PL	CB/GY/RW	116	90	19.7	58.1	10
USG	USG 82C00			116	90	22.7	55.8	5
VIGORO	V57YR82	PL	CB/GY	117	83	20.6	55.5	3
Doebler's	855RB	PH	CB/GY	118	83	20.4	55.6	5
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	76	19.4	54.0	6
Southern States	SS 775 RR2	PL	GY	116	73	19.4	54.9	15
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	69	21.9	55.1	5
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	68	20.6	57.7	6
Southern States	SS 777 VT3	PL	CB/GY/RW	116	68	21.5	56.8	12
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	67	24.8	53.1	12
NK Seeds	N82-A7	C	CB/GU	117	64	19.4	53.3	10
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	61	.	.	2
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	53	19.5	54.6	0
NK Seeds	N78N-GT/CB/LL	C	CB/GU/GY	117	41	20.6	54.9	8
			Maturity Average		72	20.7	55.3	7
			L.S.D. (0.05)		27	3.1	4.6	10
			C.V.		21	8.4	4.6	---
			Location Average		72	20.2	54.9	7

[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 17, 2008. Harvested September 11, 2008.

Table 14. Two-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA in 2007 and 2008 - 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							
Augusta Seed	A5337RRCB	PH	CB/GY	113	97	20.1	53.9
Dyna-Gro	57V44	PL	CB/GY/RW	112	89	17.9	55.5
Southern States	SS 731CL		IT	115	89	19.1	54.6
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	82	16.4	55.1
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	50	21.0	54.6
			Maturity Average		84	18.8	54.7
			L.S.D. (0.05)		18	0.7	1.5
			C.V.		19	3.4	2.4
>115 Days Relative Maturity							
NK Seeds	N82-A7	C	CB/GU	117	82	20.5	54.1
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	71	18.2	56.6
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	67	19.8	55.0
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	65	21.3	54.3
			Maturity Average		71	20.2	54.8
			L.S.D. (0.05)		18	0.7	0.5
			C.V.		21	2.5	0.7
			Location Average		78	19.4	54.7

[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 15. Three-year Average Corn Yields at the Southern Piedmont AREC at BLACKSTONE, VIRGINIA, 2006-2008 - 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							
Augusta Seed	A5337RRCB	PH	CB/GY	113	118	22.9	52.9
>115 Days Relative Maturity							
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	101	23.8	55.0
			Location Average		111	23.3	53.7

[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 16. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Days to Silk	Ear Ht inches
<108 Days Relative Maturity								
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	78	15.1	57	50
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	71	14.5	58	52
Mid-Atlantic	MA8039RR		GY	103	70	13.8	56	43
VIGORO	V4683VT3	PL	CB/GY/RW	106	69	13.3	56	44
Doebler's	660BVR	PL	CB/GY/RW	107	69	14.7	61	53
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	55	13.8	56	43
			Maturity Average		69	14.2	57	48
			L.S.D. (0.05)		23	0.6	2	4
			C.V.		22	2.8	2	6
108-111 Days Relative Maturity								
Augusta Seed	A08-19	PL		109	103	15.1	58	51
Seed Consultants	SC11H17	C	CB/GU	110	102	15.1	57	51
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	102	15.1	56	45
Southern States	SS 647 VT3	PL	CB/GY/RW	110	102	15.4	59	53
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	94	14.6	56	50
Augusta Seed	A-06-04HX	PL	CB/GU	109	90	14.1	59	49
NK Seeds	N68B-CB/LL/RW	C	CB/GU/RW	110	89	14.7	57	45
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	88	15.2	59	53
T.A. Seeds	TA688-11	PL	CB/GU	111	87	15.3	56	51
Augusta Seed	A06-06CBLL	PH	CB/GU	111	84	15.4	59	49
Hubner	H5636VT3	PL	CB/GY/RW	111	83	15.2	56	49
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	83	15.3	57	53
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	83	14.5	57	50
Mid-Atlantic	MA5085	PL		108	82	14.9	59	51
Doebler's	634BVR	PL	CB/GY/RW	110	82	14.4	60	55
Seed Consultants	SC 11YP07	C	CB/RW	109	78	14.7	57	47
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	77	14.3	58	50
Augusta Seed	A08-01GTCB	PL	CB/GY	111	77	15.2	57	57
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	76	14.4	56	50
Augusta Seed	A5234CB	PL	CB	110	76	14.1	58	46
DEKALB	RX674VT3	PL	CB/GY/RW	109	74	14.2	56	47
Augusta Seed	A07-20GTCB	PL	CB/GY	110	74	14.8	60	47
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	73	15.1	60	52
Hubner	H5477PR	PL	CB/GY/RW	110	72	14.5	58	47
NK Seeds	N64Z-CB/LL/RW	C	CB/GU/RW	109	69	15.7	57	54
VIGORO	V5073VT3	PL	CB/GY/RW	110	64	14.0	56	46
			Maturity Average		83	14.8	58	50
			L.S.D. (0.05)		21	0.7	2	4
			C.V.		16	3.0	2	5
112-115 Days Relative Maturity								
Seed Consultants	SC 11BR58	PL	CB/GY/RW	114	101	16.9	61	52
Dyna-Gro	57V21	PL	CB/GY/RW	115	96	16.0	58	50
Seed Consultants	SCS 11BR89	C	CB	113	94	17.0	58	52
VIGORO	V5183VT3	PL	CB/GY/RW	112	91	15.2	57	47
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	90	15.3	61	49
Augusta Seed	A76-64CB	PL	CB	115	89	15.6	58	49
NK Seeds	N75-A4	C	CB/GU	113	89	15.1	59	52

Table 16. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Days to Silk	Ear Ht inches
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	88	14.4	56	45
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	88	14.8	56	47
T.A. Seeds	TA765-00	PL		115	88	15.2	61	53
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	88	15.2	61	47
DEKALB	DKC62-99(YGCB/RR2)	PL	CB/GY	112	87	15.6	57	47
Augusta Seed	A5337RRCB	PH	CB/GY	113	87	15.2	61	48
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	87	15.5	61	50
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	85	15.7	56	46
NK Seeds	N73V-CB/LL	C	CB/GU	113	84	15.0	60	54
Doebler's	733RB	PL	CB/GY	115	81	14.9	61	52
Southern States	SS 731CL		IT	115	81	15.9	61	53
Hubner	H5582VT3	PL	CB/GY/RW	112	80	14.8	58	47
T.A. Seeds	TA777-11	PL	CB/GU	115	79	15.1	59	52
Seed Consultants	SC 11H38	C	CB/GU	112	79	16.2	62	57
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	79	16.3	60	51
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	79	16.0	61	50
Augusta Seed	A08-10CB	PL	CB	113	79	15.0	56	45
Dyna-Gro	57V44	PL	CB/GY/RW	112	78	14.8	61	53
Seed Consultants	SCS 1139	C		112	78	15.5	57	50
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	78	15.5	61	53
Augusta Seed	A08-07HX	PL	CB/GU	113	78	14.4	61	52
VIGORO	V5373VT3	PL	CB/GY/RW	113	77	14.5	61	51
T.A. Seeds	TA780-01	PL	CB	115	76	15.3	61	50
Garst	83X58 CB/LL	C	CB/GU	113	74	16.4	60	56
Hubner	Ex828BRPH	PH	CB/GY	115	72	14.7	57	45
VIGORO	V5273VT3	PL	CB/GY/RW	112	71	14.4	61	50
Augusta Seed	A06-10	PL		113	71	15.4	61	49
Doebler's	735BVR	PL	CB/GY/RW	115	70	14.6	60	52
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	68	15.6	61	51
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	66	16.5	61	50
VIGORO	V5383VT3	PL	CB/GY/RW	113	65	14.8	57	50
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	61	14.4	60	46
Garst	83A22 CB/LL	C	CB/GU	113	53	15.8	62	53
			Maturity Average		80	15.4	60	50
			L.S.D. (0.05)		18	0.9	2	4
			C.V.		16	4.3	2	5
>115 Days Relative Maturity								
Seed Consultants	SC 11BR97	C	CB/GY	119	90	17.9	62	54
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	80	16.8	59	53
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	80	17.0	59	55
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	79	15.2	63	51
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	77	16.9	57	49
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	76	14.7	57	55
Doebler's	855RB	PH	CB/GY	118	76	16.6	61	55
Garst	82H80 GT/CB/LL	C	CB/GU/GY	117	71	19.4	62	54
Augusta Seed	A-07-08	PL		117	70	15.3	61	50
T.A. Seeds	TA788-11	PL	CB/GU	117	66	15.2	61	53

Table 16. Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Days to Silk	Ear Ht inches
			Maturity Average		77	16.5	60	53
			L.S.D. (0.05)		20	2.4	1	3
			C.V.		18	10.1	2	4
			Location Average		79	15.3	59	50

[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 21-22, 2008. Harvested October 20, 2008.

Table 17. Two-year Average Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA in 2007 and 2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Days to Silk	Ear Ht inches
<108 Days Relative Maturity								
Augusta Seed	A5175PLRR	PL	CB/GY/RW	107	119	14.8	59	50
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	104	14.4	57	42
			Maturity Average		111	14.6	58	46
			L.S.D. (0.05)		12	0.6	1	4
			C.V.		7	3.2	2	6
108-111 Days Relative Maturity								
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	169	14.6	60	50
Augusta Seed	A-06-04HX	PL	CB/GU	109	154	14.4	60	50
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	145	15.3	59	46
Southern States	SS 647 VT3	PL	CB/GY/RW	110	144	15.7	61	53
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	143	14.6	59	50
Augusta Seed	A5234CB	PL	CB	110	130	14.9	60	48
			Maturity Average		147	14.9	60	49
			L.S.D. (0.05)		20	0.5	1	3
			C.V.		11	2.6	2	5
112-115 Days Relative Maturity								
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	136	15.5	62	50
NK Seeds	N75-A4	C	CB/GU	113	136	15.5	61	53
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	135	14.6	59	49
Dyna-Gro	57V44	PL	CB/GY/RW	112	133	15.0	62	52
Southern States	SS 731CL		IT	115	133	15.7	63	54
T.A. Seeds	TA777-11	PL	CB/GU	115	129	15.2	61	52
Augusta Seed	A5337RRCB	PH	CB/GY	113	123	15.3	63	49
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	115	15.6	63	49
T.A. Seeds	TA780-01	PL	CB	115	104	15.9	62	48
			Maturity Average		127	15.3	62	51
			L.S.D. (0.05)		17	0.6	1	2
			C.V.		13	3.8	2	5
>115 Days Relative Maturity								
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	122	15.3	65	54
T.A. Seeds	TA788-11	PL	CB/GU	117	116	15.2	62	53
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	115	16.6	61	55
Seed Consultants	SC 11BR97	C	CB/GY	119	109	17.2	64	55
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	108	16.0	62	52
Augusta Seed	A-07-08	PL		117	100	15.5	64	51
			Maturity Average		112	15.9	63	53
			L.S.D. (0.05)		14	1.1	1	3
			C.V.		12	6.5	2	5
			Location Average		126	15.3	61	51

[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 18. Three-year Average Corn Yields at the Northern Piedmont AREC at ORANGE, VIRGINIA, 2006-2008 - Virginia Tech Trials.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Days to Silk	Ear Ht inches
108-111 Days Relative Maturity								
Augusta Seed	A-06-04HX	PL	CB/GU	109	154	14.5	64	47
Augusta Seed	A5234CB	PL	CB	110	143	14.9	64	45
			Maturity Average		149	14.7	64	46
			L.S.D. (0.05)		17	0.5	1	3
			C.V.		10	2.9	2	5
112-115 Days Relative Maturity								
Augusta Seed	A5337RRCB	PH	CB/GY	113	134	15.4	66	46
>115 Days Relative Maturity								
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	135	15.4	67	50
			Location Average		141	15.1	65	47

[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 19. Corn Yields at North Point Farm at AUGUSTA COUNTY, VIRGINIA in 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							
Doebler's	660BVR	PL	CB/GY/RW	107	137	17.2	56.1
Mid-Atlantic	MA8105VT3	PL	CB/GY/RW	105	128	18.5	54.0
Augusta Seed	A-06-07CBLL	PH	CB/GU	107	128	17.6	53.4
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	126	16.9	55.6
Trisler	T-5A01VT3	PL	CB/GY/RW	107	121	16.1	53.1
Augusta Seed	A5231CB	PL	CB	104	115	18.8	55.5
Augusta Seed	A08-05RR	PL	GY	100	114	15.4	55.2
Trisler	T-4S61VT3	PL	CB/GY/RW	106	112	17.0	55.5
Mid-Atlantic	MA8039RR		GY	103	104	16.4	54.6
Dyna-Gro	55B49	PL	CB/GY/RW	105	98	16.1	55.1
Augusta Seed	A06-62HX	PL	CB/GU	100	81	16.7	53.5
			Maturity Average		115	17.0	54.7
			L.S.D. (0.05)		22	1.0	2.7
			C.V.		13	3.9	3.2
108-111 Days Relative Maturity							
Mid-Atlantic	MA8096VT3	PL	CB/GY/RW	109	146	18.5	55.5
Doebler's	634BVR	PL	CB/GY/RW	110	145	16.6	57.9
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	143	17.7	54.6
Augusta Seed	A08-19	PL		109	143	20.7	53.5
Augusta Seed	A08-11CB	PL	CB	109	142	19.8	54.0
Augusta Seed	A08-01GTCB	PL	CB/GY	111	141	19.8	53.4
Mid-Atlantic	MA5112HXT	PL	CB/RW	111	139	19.7	53.1
Trisler	T-5N51VT3	PL	CB/GY/RW	108	139	17.8	56.1
DEKALB	DKC61-69(VT3)	PL	CB/GY/RW	111	138	15.7	53.8
Augusta Seed	A08-09RRRW	PL	GY/RW	111	137	16.7	55.0
Southern States	SS 574 VT3	PL	CB/GY/RW	108	137	16.7	54.5
NK Seeds	N64Z-CB/LL/RW	C	CB/GU/RW	109	137	17.1	54.6
Augusta Seed	A06-06CBLL	PH	CB/GU	111	136	15.2	42.8
Augusta Seed	A07-40	PL		109	134	18.1	55.2
Southern States	SS 647 VT3	PL	CB/GY/RW	110	134	18.3	59.3
Mid-Atlantic	MA5085	PL		108	133	17.8	55.9
Trisler	T-7A14CB	PL	CB	111	133	18.2	55.5
DEKALB	DKC61-19(VT3)	PL	CB/GY/RW	111	129	16.6	53.9
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	129	16.6	53.8
Mid-Atlantic	MA5082HXT	PL	CB/RW	108	128	17.1	53.8
T.A. Seeds	TA688-11	PL	CB/GU	111	127	18.6	54.8
DEKALB	RX674VT3	PL	CB/GY/RW	109	126	16.7	54.4
Augusta Seed	A08-03VT3	PL	CB/GY/RW	111	125	17.2	56.1
Hubner	H5636VT3	PL	CB/GY/RW	111	123	17.7	57.1
Hubner	H5477PR	PL	CB/GY/RW	110	123	17.2	55.1
Augusta Seed	A07-20GTCB	PL	CB/GY	110	123	17.5	53.1
Seed Consultants	SC11H17	C	CB/GU	110	121	17.2	54.1
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	119	16.8	54.6
Trisler	T-6N52VT3	PL	CB/GY/RW	110	118	17.2	55.2
Augusta Seed	A-06-04HX	PL	CB/GU	109	112	17.4	52.8
T.A. Seeds	TA607-11	PL	CB/GU	110	107	17.8	54.2

Table 19. Corn Yields at North Point Farm at AUGUSTA COUNTY, VIRGINIA in 2008 - Virginia Tech Trials, continued.

Brand/Company	Hybrid	IST[1]	GT[2]	DTM per Co.[3]	Yield[4] bu/A	Moist %	Test Wt. lb/bu
Seed Consultants	SC 11YP07	C	CB/RW	109	107	17.7	53.7
			Maturity Average		130	17.6	54.4
			L.S.D. (0.05)		23	2.5	6.5
			C.V.		12	9.9	8.2
112-115 Days Relative Maturity							
Hubner	H5582VT3	PL	CB/GY/RW	112	163	17.3	56.7
T.A. Seeds	TA765-00	PL		115	162	21.2	55.8
Seed Consultants	SC 11H38	C	CB/GU	112	159	20.7	55.7
Seed Consultants	SCS 11BR89	C	CB	113	157	20.9	52.7
Augusta Seed	A76-64CB	PL	CB	115	157	20.2	53.4
Dyna-Gro	57V21	PL	CB/GY/RW	115	156	20.7	53.1
DEKALB	DKC65-44(VT3)	PL	CB/GY/RW	115	156	20.0	56.2
Trisler	T-7N53VT3	PL	CB/GY/RW	112	156	18.3	55.5
Augusta Seed	A06-10	PL		113	155	19.8	54.4
Garst	83X58 CB/LL	C	CB/GU	113	153	19.6	54.7
T.A. Seeds	TA780-01	PL	CB	115	151	19.7	53.0
Doebler's	733RB	PL	CB/GY	115	151	19.3	55.8
Trisler	T-8A02VT3	PL	CB/GY/RW	113	151	19.1	55.1
NK Seeds	N73V-CB/LL	C	CB/GU	113	151	20.6	54.6
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	150	19.0	54.5
Bio Gene	BG 84V09	PL	CB/GY/RW	114	149	19.4	53.9
Mid-Atlantic	MA8138VT3	PL	CB/GY/RW	113	148	19.1	53.4
DEKALB	DKC64-24(VT3)	PL	CB/GY/RW	114	146	18.6	54.9
Mid-Atlantic	MA8148BtRR	PL	CB/GY	114	146	20.8	51.5
Augusta Seed	A08-10CB	PL	CB	113	146	19.3	54.4
Augusta Seed	A007Q	PH		115	146	20.5	53.8
Garst	83A22 CB/LL	C	CB/GU	113	144	19.6	55.0
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	144	20.5	52.7
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	144	19.5	54.6
VIGORO	V54R86	PL	GY	114	142	18.1	55.3
DEKALB	DKC62-99(YGCB/RR2)	PL	CB/GY	112	141	18.8	57.1
Augusta Seed	A08-08VT3	PL	CB/GY/RW	113	141	20.0	54.0
T.A. Seeds	TA777-11	PL	CB/GU	115	140	19.0	55.0
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	140	20.2	57.7
USG	USG 80B00			115	139	20.9	56.6
Bio Gene	BG 83V08	PL	CB/GY/RW	113	136	19.9	53.3
Mid-Atlantic	MA5158	PL	CB/GY/RW	115	134	22.0	55.1
Bio Gene	BG 84R08	PL	GY	114	134	19.7	51.0
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	131	18.3	54.2
Mid-Atlantic	MA5125CBLLRW	PL	CB/GU/RW	112	131	20.5	53.7
Augusta Seed	A08-07HX	PL	CB/GU	113	131	18.1	53.9
Augusta Seed	A5337RRCB	PH	CB/GY	113	130	19.1	52.9
NK Seeds	N75-A4	C	CB/GU	113	130	19.5	53.9
Seed Consultants	SC 11BR58	PL	CB/GY/RW	114	129	19.6	53.3
Mid-Atlantic	MA8125VT3	PL	CB/GY/RW	112	129	18.7	54.4
Trisler	T-7N52PLRR	PL	CB/GY/RW	112	127	18.8	55.5
Mid-Atlantic	MA8150VT3	PL	CB/GY/RW	115	125	20.2	51.6
Southern States	SS 731CL		IT	115	125	21.2	51.5
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	124	19.4	54.4

Table 19. Corn Yields at North Point Farm at AUGUSTA COUNTY, VIRGINIA in 2008 - 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	735BVR	PL	CB/GY/RW	115	123	20.6	54.8
Dyna-Gro	57V44	PL	CB/GY/RW	112	121	17.1	54.1
VIGORO	V5273VT3	PL	CB/GY/RW	112	119	17.4	54.8
VIGORO	V5373VT3	PL	CB/GY/RW	113	119	17.9	52.2
Hubner	Ex828BRPH	PH	CB/GY	115	116	19.1	53.7
Seed Consultants	SCS 1139	C		112	108	20.8	54.7
			Maturity Average		140	19.6	54.3
			L.S.D. (0.05)		25	1.6	2.1
			C.V.		12	5.5	2.6
>115 Days Relative Maturity							
Mid-Atlantic	MA5156GTCBLL	PL	CB/GU/GY	116	145	20.7	54.2
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	144	20.7	54.3
T.A. Seeds	TA788-11	PL	CB/GU	117	144	19.7	51.4
USG	USG 82C00			116	144	19.8	55.6
VIGORO	V5673VT3	PL	CB/GY/RW	116	138	20.4	53.3
Augusta Seed	A-07-08	PL		117	138	20.1	55.6
Augusta Seed	A-06-02HX	PL	CB/GU	119	136	22.7	53.1
Trisler	T-9J38RRCB	PL	CB/GY	116	135	20.0	53.3
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	133	21.6	52.8
Doebler's	855RB	PH	CB/GY	118	133	24.0	52.7
Garst	82H80 GT/CB/LL	C	CB/GU/GY	117	132	21.2	54.4
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	131	20.3	54.5
Seed Consultants	SC 11BR97	C	CB/GY	119	130	22.1	55.5
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	130	21.6	52.3
DEKALB	DKC69-40(VT3)	PL	CB/GY/RW	119	127	22.7	54.5
			Maturity Average		136	21.2	53.8
			L.S.D. (0.05)		21	1.3	1.9
			C.V.		10	4.1	2.4
			Location Average		134	19.0	54.3

[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 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 7, 2008. Harvested October 30, 2008.

Table 20. Two-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA in 2007 and 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-06-07CBLL	PH	CB/GU	107	150	18.2	53.9
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	142	17.3	55.9
Augusta Seed	A5231CB	PL	CB	104	141	18.9	56.3
			Maturity Average		144	18.1	55.4
			L.S.D. (0.05)		20	1.1	1.7
			C.V.		12	5.0	2.7
108-111 Days Relative Maturity							
Trisler	T-5N51VT3	PL	CB/GY/RW	108	163	18.3	55.7
Mid-Atlantic	MA8088VT3	PL	CB/GY/RW	108	161	17.8	54.5
Pioneer	34F96(HX1/LL/RR2)	PL	CB/GU/GY	111	158	18.5	53.9
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	141	17.5	55.0
Augusta Seed	A-06-04HX	PL	CB/GU	109	140	18.2	53.6
T.A. Seeds	TA607-11	PL	CB/GU	110	136	18.0	54.3
			Maturity Average		150	18.1	54.5
			L.S.D. (0.05)		15	1.0	1.2
			C.V.		10	5.3	2.2
112-115 Days Relative Maturity							
DEKALB	DKC63-42(VT3)	PL	CB/GY/RW	113	163	19.0	54.6
T.A. Seeds	TA780-01	PL	CB	115	159	20.9	52.1
T.A. Seeds	TA777-11	PL	CB/GU	115	157	19.3	53.8
Pioneer	33M57(HX1/LL/RR2	PL	CB/GU/GY	115	157	21.1	56.7
Augusta Seed	A5337RRCB	PH	CB/GY	113	153	20.0	51.7
NK Seeds	N75-A4	C	CB/GU	113	152	20.1	53.5
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	149	19.9	52.9
Dyna-Gro	57V44	PL	CB/GY/RW	112	138	18.3	56.0
			Maturity Average		154	19.8	53.9
			L.S.D. (0.05)		16	1.2	1.3
			C.V.		10	5.8	2.3
>115 Days Relative Maturity							
Seed Consultants	SC 11BR97	C	CB/GY	119	171	21.5	54.4
Augusta Seed	A-07-08	PL		117	162	20.7	55.8
DEKALB	DKC67-87(YGCB/RR2)	PL	CB/GY	117	160	20.3	54.2
T.A. Seeds	TA788-11	PL	CB/GU	117	159	20.0	52.0
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	159	21.0	53.1
Augusta Seed	A-06-02HX	PL	CB/GU	119	155	22.4	51.7
DEKALB	DKC67-23(YGCB/RR2)	PL	CB/GY	117	150	20.4	53.9
			Maturity Average		159	20.9	53.6
			L.S.D. (0.05)		29	1.0	1.5
			C.V.		18	4.4	2.7
			Location Average		153	19.5	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 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 21. Three-year Average Corn Yields at SHENANDOAH VALLEY, VIRGINIA, 2006-2008 - 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							
Augusta Seed	A5337RRCB	PH	CB/GY	113	148	20.6	53.3
>115 Days Relative Maturity							
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	155	21.5	54.6
			Location Average		152	21.1	54.0

[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 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 22. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 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-06-07CBLL	PH	CB/GU	107	143	20.0	53.1
Doebler's	660BVR	PL	CB/GY/RW	107	142	20.6	52.3
Mid-Atlantic	MA8044VT3	PL	CB/GY/RW	104	130	19.1	52.9
Dyna-Gro	55B49	PL	CB/GY/RW	105	114	19.3	53.4
			Maturity Average		132	19.8	52.9
			L.S.D. (0.05)		23	1.1	1.7
			C.V.		10	3.2	1.8
108-111 Days Relative Maturity							
T.A. Seeds	TA688-11	PL	CB/GU	111	186	21.7	53.6
Augusta Seed	A08-19	PL		109	180	21.8	51.5
Augusta Seed	A06-06CBLL	PH	CB/GU	111	174	22.1	51.1
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	169	20.3	53.4
Southern States	SS 574 VT3	PL	CB/GY/RW	108	169	20.6	53.2
Augusta Seed	A07-20GTCB	PL	CB/GY	110	165	23.3	50.0
Augusta Seed	A08-01GTCB	PL	CB/GY	111	163	25.9	50.8
Doebler's	634BVR	PL	CB/GY/RW	110	158	20.3	56.0
Southern States	SS 647 VT3	PL	CB/GY/RW	110	149	21.3	52.7
Seed Consultants	SC11H17	C	CB/GU	110	143	21.6	50.8
Seed Consultants	SC 11YP07	C	CB/RW	109	132	20.3	51.5
Augusta Seed	A-06-04HX	PL	CB/GU	109	123	22.2	50.4
			Maturity Average		159	21.8	52.1
			L.S.D. (0.05)		24	1.6	1.6
			C.V.		10	4.5	1.9
112-115 Days Relative Maturity							
Augusta Seed	A76-64CB	PL	CB	115	182	22.9	50.2
Seed Consultants	SC 11BR58	PL	CB/GY/RW	114	175	25.2	49.7
Dyna-Gro	57V21	PL	CB/GY/RW	115	172	22.1	50.9
Seed Consultants	SCS 11BR89	C	CB	113	169	25.0	52.5
Seed Consultants	SC 11H38	C	CB/GU	112	167	26.1	53.2
Doebler's	735BVR	PL	CB/GY/RW	115	167	23.9	52.8
Bio Gene	BG 83V08	PL	CB/GY/RW	113	164	23.2	49.8
Bio Gene	BG 84R08	PL	GY	114	163	24.2	49.7
Seed Consultants	SC 11VTT48	PL	CB/GY/RW	113	162	22.4	50.6
Bio Gene	BG 84V09	PL	CB/GY/RW	114	162	22.7	50.7
Augusta Seed	A08-08VT3	PL	CB/GY/RW	113	162	24.3	50.1
Augusta Seed	A007Q	PH		115	161	24.6	54.2
Seed Consultants	SC 11VTT56	C	CB/GY/RW	114	158	22.2	53.1
Doebler's	733RB	PL	CB/GY	115	158	23.8	53.5
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	157	23.1	52.0
Dyna-Gro	57V44	PL	CB/GY/RW	112	154	20.9	52.8
Augusta Seed	A08-10CB	PL	CB	113	153	23.4	50.8
Augusta Seed	A08-07HX	PL	CB/GU	113	147	21.4	52.0
USG	USG 80B00			115	145	24.9	52.1
Augusta Seed	A5337RRCB	PH	CB/GY	113	142	23.7	51.2
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	142	20.9	52.5
T.A. Seeds	TA780-01	PL	CB	115	141	22.4	51.5
Seed Consultants	SCS 1139	C		112	133	23.4	53.0

Table 22. Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2008 - 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 Seed	A06-10	PL		113	119	21.4	51.0
T.A. Seeds	TA777-11	PL	CB/GU	115	113	22.2	51.9
			Maturity Average		155	23.2	51.7
			L.S.D. (0.05)		23	1.5	1.3
			C.V.		10	4.2	1.6
>115 Days Relative Maturity							
Augusta Seed	A08-71VT3	PL	CB/GY/RW	119	181	27.3	51.1
Doebler's	855RB	PH	CB/GY	118	169	25.7	51.6
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	153	23.6	53.4
Augusta Seed	A-06-02HX	PL	CB/GU	119	147	24.0	50.0
USG	USG 82C00			116	140	23.9	53.4
Augusta Seed	A-07-08	PL		117	140	24.4	53.1
T.A. Seeds	TA788-11	PL	CB/GU	117	138	22.0	50.6
Seed Consultants	SC 11BR97	C	CB/GY	119	138	26.5	52.9
			Maturity Average		151	24.7	52.0
			L.S.D. (0.05)		28	1.6	1.4
			C.V.		12	4.3	1.7
			Location Average		153	22.8	51.9

[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 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 14, 2008. Harvested October 28, 2008.

Table 23. Two-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA in 2007 and 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-06-07CBLL	PH	CB/GU	107	132	18.8	54.5
108-111 Days Relative Maturity							
Seed Consultants	SC 10MT97	C	CB/GY/RW	108	143	18.7	54.4
Augusta Seed	A-06-04HX	PL	CB/GU	109	127	20.4	52.2
			Maturity Average		134	19.6	53.1
			L.S.D. (0.05)		23	0.7	1.2
			C.V.		12	2.3	1.5
112-115 Days Relative Maturity							
Seed Consultants	SC 11MT45	C	CB/GY/RW	114	149	21.2	52.8
Dyna-Gro	57V44	PL	CB/GY/RW	112	142	19.5	53.5
T.A. Seeds	TA780-01	PL	CB	115	140	20.2	52.7
Augusta Seed	A5337RRCB	PH	CB/GY	113	137	21.8	52.5
T.A. Seeds	TA777-11	PL	CB/GU	115	122	20.2	54.0
			Maturity Average		138	20.6	53.1
			L.S.D. (0.05)		20	1.7	0.7
			C.V.		13	7.6	1.2
>115 Days Relative Maturity							
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	142	22.5	54.5
T.A. Seeds	TA788-11	PL	CB/GU	117	138	21.6	52.0
Augusta Seed	A-06-02HX	PL	CB/GU	119	138	23.2	51.1
Augusta Seed	A-07-08	PL		117	133	22.3	54.8
Seed Consultants	SC 11BR97	C	CB/GY	119	127	24.0	54.4
			Maturity Average		136	22.7	53.4
			L.S.D. (0.05)		17	1.3	1.0
			C.V.		12	5.3	1.7
			Location Average		136	21.2	53.3

[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 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 24. Three-year Average Corn Yields at Kentland Farm at BLACKSBURG, VIRGINIA, 2006-2008 - 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							
Augusta Seed	A5337RRCB	PH	CB/GY	113	150	23.1	53.1
>115 Days Relative Maturity							
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	152	23.8	54.7
			Location Average		151	23.4	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 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 25. Corn Yields at WASHINGTON COUNTY, VIRGINIA in 2008 - Virginia Tech Trials.

Brand/Company	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	149	18.5	45.8	2
108-111 Days Relative Maturity								
Augusta Seed	A08-19	PL		109	187	19.8	45.4	1
Doebler's	634BVR	PL	CB/GY/RW	110	159	18.4	48.7	2
			Maturity Average		173	19.1	47.1	1
			L.S.D. (0.05)		49	2.0	1.6	1
			C.V.		8	3.0	1.0	---
112-115 Days Relative Maturity								
Doebler's	733RB	PL	CB/GY	115	181	20.9	48.9	4
Augusta Seed	A08-07HX	PL	CB/GU	113	179	20.1	46.0	2
Caverndale Farms	CF 827 YGVT/Triple	PL	CB/GY/RW	112	177	18.1	45.7	2
Mid-Atlantic	MA8128VTRWRR	PL	GY/RW	112	176	18.9	45.4	3
Augusta Seed	A5337RRCB	PH	CB/GY	113	175	20.3	45.9	3
Doebler's	735BVR	PL	CB/GY/RW	115	173	21.3	49.3	9
Augusta Seed	A76-64CB	PL	CB	115	165	20.2	45.8	1
Augusta Seed	A06-10	PL		113	162	20.7	46.3	3
Dyna-Gro	57V44	PL	CB/GY/RW	112	160	18.3	47.0	3
Dyna-Gro	57V21	PL	CB/GY/RW	115	160	19.9	44.8	2
			Maturity Average		170	19.8	46.4	3
			L.S.D. (0.05)		33	0.8	1.2	5
			C.V.		10	2.5	1.6	---
>115 Days Relative Maturity								
Caverndale Farms	CF 889 YGVT/Triple	PL	CB/GY/RW	118	178	20.2	45.9	1
Doebler's	855RB	PH	CB/GY	118	175	20.5	46.8	6
Pioneer	31G71(HX1/LL/RR2)	PL	CB/GU/GY	119	152	17.5	47.2	3
			Maturity Average		169	20.6	46.5	3
			L.S.D. (0.05)		67	1.5	1.6	5
			C.V.		18	2.8	1.3	---
			Location Average		169	19.8	46.4	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 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 28, 2008. Harvested November 25, 2008.