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2013 Maryland Corn Hybrid Performance Tests

<http://www.mdcrops.umd.edu>

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Test Procedures

A fee-based, performance-testing program for corn hybrids is offered to seed corn companies by the Maryland Cooperative Extension and Agricultural Experiment Station at the University of Maryland. The results from these replicated trials provide agronomic performance information about the corn hybrids tested at five Maryland locations (Table 1) considered representative of the state's geography and weather conditions. Table 1 summarizes the important agronomic and production information for each test site.

Hybrids tested during 2013 were submitted in two ways. First, participating seed companies (Table 2) were solicited for submission of hybrids. These entries ranged from currently available to experimental hybrids still under evaluation. Second, the Maryland Grain Producers' Utilization Board provided funding for inclusion of some check hybrids that are commonly grown hybrids familiar to farmers. The inclusion of the performance data for these benchmark hybrids allows for comparisons between newer hybrids and those that are more familiar.

During 2013, 75 hybrids were tested in one of three maturity group tests: (1) early season (17 hybrids; Table 5); (2) mid-season (29 hybrids; Table 6); and (3) full season (29 hybrids; Table 7). Each company designated the maturity group for each hybrid they submitted. Check hybrids were included in each of the three tests. Many of the hybrids tested had genetic traits for insect protection and/or herbicide tolerance. Those traits for each hybrid tested are found in Tables 5-7.

Hybrids were grouped and randomized according to maturity and replicated three times at each location. The tests were planted with a modified, four-row John Deere 1750 planter equipped with coulters and trash-wheels for no-till planting. The plot planting modifications for each planter unit were manufactured by Clewell Precision Machine, Inc., Milton, PA. Each plot consisted of four rows spaced 30 inches apart and had a harvest length of 31 feet. Harvest population and number of lodged plants per plot were counted within one week of harvest and frequently occurred the same day as harvest. The center two rows of each plot were harvested to determine yield, harvest moisture and test weight of the grain. These data were collected with a HarvestMaster HM 800 GrainGage system and recorded on an Allegro Field PC.

Growing Season

Maryland farmers entered the 2013 growing season with over 90% of the state reporting adequate to surplus topsoil and subsoil moisture conditions, a situation that offered considerable promise compared to the extremely dry conditions that existed in mid-April 2012. Warm temperatures during the first half of April allowed soils to warm and encouraged farmers to start planting by mid-April. Maryland Department of Agriculture (MDA) reported 11% of the crop planted by April 21. Cooler temperatures slowed corn planting slightly during the next couple weeks compared to a normal pace with approximately 25% of the crop reported in the ground by May 1, about 5% less than the 5-year average. Planting continued at a slower than normal pace during the first three weeks of May with the May 19 report from MDA indicating that 72% of the crop was planted, a 7% decrease compared to the 5-year average. It was not until early June that 95% of the crop was reported planted, which was about 5 days later than average.

Topsoil and subsoil conditions continued to be classified as adequate to surplus throughout April and May. Crop emergence was slowed during the early part of May when temperatures were slightly below normal. However, temperatures warmed during the last two weeks of May and by June 1, 86% of the crop had emerged and 90% of the crop was classified to be good to excellent condition. Timely rains maintained adequate to surplus topsoil and subsoil moisture and normal to above normal temperatures during June, allowed crop growth to proceed at a normal pace. Seven per cent of the crop was reported to be in silk by July 1. During the first three weeks of July, temperatures averaged 5-6° F above normal but this period was also accompanied with timely rain events. These conditions supported good to excellent pollination. By July 21, 85% of the crop was reported to have been pollinated and 82% of the crop was considered to be in good to excellent condition with only 6% of the crop considered poor or very poor.

With soil moisture conditions continuing to be adequate to surplus, the grain fill period of July and August experienced little to no stress. And, this period was accompanied with favorable temperatures with the period between July 20 and August 20 about 2° F below normal. The favorable temperatures coupled with good soil moisture allowed the crop to remain classified as good to excellent condition as it moved toward maturity. By late August, 9% of the crop was rated mature and by Labor Day approximately 3% of the crop had been harvested. Weather during September supported a normal harvest pace and approximately 50% of the crop was harvested by October 1. Early October experienced about a week of extremely rainy weather but following that wet period, corn harvest resumed and continued toward completion with 95% of the crop shelled by November 10.

Favorable weather and soil moisture conditions dominated the 2013 corn production year. On September 30, Maryland Department of Agriculture's yield estimate for the 2013 crop is 155 bu/acre, which is at least 25% better than the 2012 crop and one that may challenge the state record yield of 155 bu/acre in 2000.

Test Results

The performance of the hybrids at each location in the 2013 tests is found in Tables 8-22. The agronomic characteristics reported are yield in bushels/acre at 15.5% moisture content, harvest moisture content, per cent lodging, harvest population, and test weight.

As seen in Table 3, growing season precipitation varied widely at the five sites and for 3-5 sites, the amount received was actually less than the long term average. Yet, yields at the five testing sites were considered good and were much better than experienced during 2012. This is attributed to the adequate to surplus soil moisture conditions at the start of the season, the accumulation of good rainfall amounts during the first three months which maintained good soil moisture conditions, and the lack of extremely high temperatures throughout the growing season. This allowed the crop to attain good to excellent yields at all locations.

Averaged over the five locations, yield for the early (17), mid (29), and full season (29) hybrids was 175 bu/acre, 191 bu/acre, and 203 bu/acre, respectively. Compared to 2012, these yields were 28%, 26%, and 37% greater than observed for the early, mid, and full season hybrids for that season, respectively.

A least significant difference (LSD) value is reported for the variables measured for each test where statistically significant differences ($p \leq 0.05$) for a variable were observed among hybrids. This mean separation value has been calculated at the 5 percent probability level ($LSD_{0.05}$). The LSD can be used to compare two hybrids within the same test. For example, when the yield difference between two hybrids is greater than or equal to the LSD value, there is a 95% certainty that the difference is real rather than due to random variability. The coefficient of variation (CV) is a measurement of the level of variability that existed at a test site. It is used as an indicator of the degree of precision for a test. In general, CV values below 15% for yield trials indicate that the precision for distinguishing yield differences was good.

The selection of a hybrid to grow on your farm based solely on its performance at one location is not recommended. It is better to select a hybrid/s based upon performance over a number of locations and/or years, if possible. In order to compare the performance of each hybrid across the five locations, relative yield tables (Tables 23-25) are included. Relative yield is the ratio of the yield of a specific hybrid at a location to the mean yield of all the hybrids at that location expressed in percentage. A hybrid that has a relative yield score consistently greater than 100 across all testing locations is considered to have excellent stability. Based on the relative yield score criterion, seven hybrids performed exceptionally well during 2013: Dekalb DKC57-50 VT3 in the early season test; Augusta A0720, Dekalb DKC 61-88 GENVT3PRIB, Dyna-Gro CX50VP43, and T.A. Seeds TA647-22DP for the mid-season test; and Augusta A5664 and A6664 in the full season test.

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Additional Information

The inclusion of hybrids in these tests is not an endorsement by the University of Maryland. Advertising statements about a company's entries can be made as long as they are accurate statements about the data as published. Statements similar to "See the Maryland Corn Hybrid Tests Agronomy Facts No. 54" or "Endorsement or recommendation by the University of Maryland is not implied" must accompany any information that is reproduced. Agronomy Facts No. 54 is found at the Maryland Cropping Systems webpage: <http://www.mdcrops.umd.edu>

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Table 1. Production management practices used and other pertinent information for the locations of the 2013 Maryland Corn Hybrid Test.

Location	Soil Type & Previous Crop	Fertilizer	Herbicides & Insecticides	Tillage	Plant & Harvest Dates	Farm crew
Wye R & E Center Queenstown, MD	Mattapex silt loam Soybean	3 May broadcast 0-0-120-25S 10 May 40 lb N/a UAN 6 June 140 lb N/A UAN Total 180-0-120-25S	10 May Lexar @ 3 qt/a No Insecticide	3 May Disk- Chisel Plow 6 May Disk- packer Field Cultivator with Rolling Basket	6 May 19 Sept. 23 Sept.	Mark Sultenfuss Joe Street Donny Murphy
Lower Eastern Shore R&E Center-Poplar Hill Quantico, MD	Mattapeake silt loam Soybean followed by wheat cover crop	6 April 250 lb/a 0-10-30-10 + 0.5% B 29 April 42 lb N/a as 30% UAN 29 May 125 lb N/a as 30% UAN Total 167-25-75-25 S +1.25 B	10 April Gramoxone Inteon @ 1.5 pt/A + BiCep II Magnum @ 1.5 pt/A + 820 Surfactant @ 6 fl oz/A 11 May Lumax @ 2 qt/A + Atrazine @ 1 lb/A No Insecticide	No-till into cover crop with aid of trash wheels on planter	3 May 14 Sept.	David Armentrout Fred Senkbeil
Lower Eastern Shore R&E Center-Salisbury Salisbury, MD	Fort Mott loamy sand Soybean followed by wheat cover crop	11 April 350 lb/a 00-05-30-10S 05 May 37 lb N/a as 30% UAN 04 June 100 lb N/a as 30% UAN 6 June 100 lb N/a as 30% UAN Total 237-17.5-105-35 S	16 April RoundUp Power Max @ 1.5 pt/a + BiCep II Magnum @ 1 pt/a 22 May Lumax @ 2 qt/a + Atrazine @ 1 lb/a No Insecticide	No-till into cover crop with aid of trash wheels on planter	3 May 12 Sept.	David Armentrout Mike Kelly James Lynch Vivian Calder David Long Robert Miller
Central Maryland R&E Center - Clarksville Clarksville, MD	Delanco silt loam Soybean	5 May 130 lb N/a as 30% UAN Total 130-0-0	5 May Bicep II Mag @ 2 qt/acre + Gramoxone Inteon @ 1.5 pt/acre + Surfactant @ 1 pt/acre Post-Emerge Status @ 4.5 oz/a w/surfactant No Insecticide	No-till with aid of trash wheels on planter	14 May 9 Oct.	David Justice Michael Gray
Western Maryland R&E Center Keedysville, MD	Hagerstown silt loam Soybean	17 May 150 lb N/a Total 150-0-0	11 May Lumax @ 3 qt/a + Weedone.LV4 @1 pt/a + Gramoxone Inteon @ 1 qt/a No Insecticide	No-till with aid of trash wheels on planter	15 May 30 Sept. 1 Oct.	Timothy Ellis Douglas Price

Table 2. Seed brands and companies represented in the 2013 Maryland corn hybrid tests.

Brand	Address
Agra	Clark Seeds, 1467 Seven Hickories Road, Clayton, DE 19938
Augusta	Augusta Seed Corporation, P.O. Box 899, Staunton, VA 24401
DeKalb	Monsanto Company, 800 N. Lindbergh Blvd. St. Louis, MO 63167
Dyna-Gro	Crop Production Services/Dyna-Gro, 1140 Sweet Road, East Aurora, NY 14052
DOEBLERS®	Doeblers PA Hybrids, Inc., 202 Tiadaghton Avenue, Jersey Shore, PA 17740
Garst	Syngenta, 11055 Wayzata Blvd., Minnetonka, MN 55305
FS InVISION	Growmark FS LLC., 308 N.E. Front Street, Milford, DE 19963
Hubner Seed	Hubner Seed Company, 10280 West State Road 28, West Lebanon, IN 47991
Mycogen	Mycogen Seeds, 9330 Zionsville Rd., Indianapolis, IN 46268
NK	Syngenta, 11055 Wayzata Blvd., Minnetonka, MN 55305
Partner's	Clark Seeds, 1467 Seven Hickories Rd, Clayton, DE19938
Pioneer	Pioneer Hi-bred International, Inc., PO Box 14453, Des Moines, IA 50306
RPM®	Doebler's PA Hybrids, Inc., 202 Tiadaghton Ave., Jersey Shore, PA 17740
T.A. Seeds	T.A. Seeds LLC., PO Box 300, Avis, PA 17721

Table 3. Precipitation received at each location where the Maryland corn hybrid tests were conducted during 2013.

Month	Wye	Poplar Hill	Salisbury ¹	Keedysville	Clarksville
	-----Inches-----				
April	4.66	3.55	3.76(0.0)	1.91	1.85
May	1.92	2.16	3.12(0.5)	2.72	3.53
June	9.58	8.62	15.3(0.4)	3.51	5.00
July	5.02	5.29	8.4(1.4)	1.76	3.70
August	2.34	4.34	4.0(0.5)	3.12	2.91
September	1.28	1.39	1.52(0.0)	1.23	1.28
2013 Total (6 month)	24.8	25.35	36.1(2.8)	14.25	18.27
Long Term Average	22.63	22.32	23.88	21.4	24.16

¹The number in parentheses following the precipitation total for each month at Salisbury indicates the amount of supplemental irrigation that was applied to the tests.

<http://www.wunderground.com>

Table 4. Glossary of abbreviations for hybrid genetic traits and description of seed treatments used in Tables 5, 6, and 7.

Abbreviation	Description
Conventional	Indicates a hybrid with no biotechnology linked genetic enhancement.
Bt ECB, CB, HX, and HX1	Contains a <i>Bacillus thuringiensis</i> (Bt) event for protection against European corn borer.
RW and CRW	Designates protection against corn rootworm.
RR and GT	Refers to glyphosate (Roundup) herbicide tolerance.
RR2	Designates the second generation event for glyphosate herbicide tolerance.
LL	Refers to glufosinate (Liberty) herbicide tolerance.
GEN VT2P	Provides protection against aboveground Lepidopteran insects and has tolerance to glyphosate.
Agrisure 3000GT, 3000GT, GT3000, and GT3	All indicate tolerance to both glufosinate-ammonium (Ignite) and glyphosate (Roundup) herbicides in addition to having protection from Western, Northern, Southern and Mexican rootworm and European and Southwestern corn borer.
VT3	A triple stack package for insect protection against corn borer and corn rootworm plus glyphosate herbicide tolerance.
GEN VT3P, VT3P	A triple stack package that protects against European and Southwest corn borer, corn earworm, fall armyworm, and corn rootworm and is glyphosate tolerant.
HXX and HXT	Designates the inclusion of both the Herculex I (HX1) trait and the Herculex RW (HXRW) trait that confer resistance to European and Southwestern corn borer, black cutworm, fall armyworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer; suppresses corn earworm; and also provides protection from larval injury caused by western corn rootworm, northern corn rootworm and Mexican corn rootworm.
SmartStax and GENSS	Refers to hybrids that have eight traits combined or 'stacked' together – 6 for insect resistance (Bt) and 2 for herbicide (Roundup and Liberty) tolerance.
STXRIB	Refers to a SmartStax hybrid that has non-Bt seed blended in the bag creating refuge in the bag.
AcreMax or AM	Refers to a refuge in the bag hybrid.
Viptera 3111	Designates multi-pest control via 14 above and below ground insects plus glyphosate and glufosinate herbicide tolerance.
WO	Refers to traits that impart water optimization for the hybrid.
Cruiser 250	A neonicotinoid based insecticide seed treatment.
Avicta 500	A nematicide seed treatment.
Poncho 250, 500 or 1250	An insecticide seed treatment with the number referring to the concentration of insecticide used.
Votivo and Votivo 1250	A nematicide seed treatment.
Avicta Corn Complete 250	A nematicide/insecticide/fungicide seed treatment combination.
Acceleron 250	A combination insecticide/fungicide seed treatment.
Dynasty Top	A fungicide seed treatment.

Table 5. Relative maturity, genetic traits, and seed treatments for early-season hybrids tested in Maryland during 2013.

BRAND/COMPANY NAME	HYBRID NAME	RELATIVE MATURITY	GENETIC TRAITS ¹	SEED TREATMENT
Augusta	A2847	97	3000GT	Cruiser 250
Augusta (Check)²	A2954	104	3000GT	Cruiser 250
Augusta	A2956	106	GT	Cruiser 250
Dekalb	DKC52-04	102	GENVT3PRIB	Acceleron 500 Votivo
Dekalb	DKC52-61	102	GENVT2PRIB	Acceleron 500 Votivo
Dekalb	DKC53-56	103	GENSSRIB	Acceleron 500 Votivo
Dekalb (Check)²	DKC57-50	107	VT3	Acceleron 500 Votivo
Dekalb	DKC57-75	107	GENSSRIB	Acceleron 500 Votivo
Dyna-Gro	D47SS23	107	GENSS	Acceleron500/Votivo
FS InVISION	FS 55R25VT3P	105	GENVT3P	Acceleron 500
FS InVISION	FS 57R30SS	107	GENSS	Poncho Votivo 500
Hubner	H5333RC3P	107	GENVT3PRIB	Poncho 250
NK	N 59B 3011A	107	3011A	Avicta Complete 500
Pioneer (Check)²	P0216HR	102	HX1, LL, RR2	Maxim Quattro Cruiser 250
RPM®	588AMX	107	CB, RW, RR, LL	Cruiser 250
TA Seeds	TA 544-28	104	CB,RW,RR,LL	Avicta Complete
TA Seeds	TA 565-20	106	CB,RW,RR,LL	Avicta Complete

¹Refer to Table 4 to see the descriptions of the trait codes.

²Hybrids in **bold print** are check hybrids that were included with funding from the Maryland Grain Producers' Utilization Board.

Table 6. Relative maturity, genetic traits, and seed treatments for mid-season hybrids tested in Maryland during 2013.

BRAND/ COMPANY	HYBRID NAME	RELATIVE MATURITY	GENETIC TRAITS ¹	SEED TREATMENT
Agra	715GT3000	112	3000GT	Not Designated
Augusta	A0720	111	GTCBLL	Cruiser 250
Augusta	A5262	112	GTCBLL	Cruiser 250
Augusta (Check)²	A5658	108	GTCBLL	Cruiser 250
Dekalb	DKC61-16	111	GENSSRIB	Acceleron 500 Votivo
Dekalb	DKC61-88	111	GENVT3PRIB	Acceleron 500 Votivo
Dekalb	DKC62-97	112	GENVT3PRIB	Acceleron 500 Votivo
Dekalb (Check)²	DKC62-08	112	GENSSRIB	Acceleron 500 Votivo
Dyna-Gro	CX50VP43	110	GENVT3P	Acceleron500/Votivo
Dyna-Gro	D52VC91RIB	112	GENVT2PRIB	Acceleron500/Votivo
FS InVISION	FS 61R21VT3P	111	GENVT3P	Acceleron 250
Hubner	H5420RC3P	110	GENVT3PRIB	Poncho 250
Hubner	H6615RCSS	111	GENSSRIB	Poncho 250
Mycogen	2A749	111	SSX Refuge Advanced	Cruiser 250
Mycogen	2V709	110	SSX Refuge Advanced	Cruiser 250
Mycogen	2V717	111	SSX Refuge Advanced	Cruiser 250
Mycogen	2V779	112	SSX Refuge Advanced	Cruiser 250
Mycogen	2Y767	112	SSX Refuge Advanced	Cruiser 250
NK	N 61X 3011A	108	3011A	Avicta Complete 500
NK	N70J 3011A	112	3011A	Avicta Complete 500
Partner's	PB8441GT	112	GT	Not Designated
Pioneer (Check)²	P1184AM	111	AMLLRR2	Maxim Quattro/Cruiser 250
RPM®	604HRQ	108	CB,RW,RR,LL	Cruiser 250
RPM®	633HXR	110	CB,RR.LL	Poncho 1250
RPM®	647AM1	110	CB,RW,RR,LL	Cruiser 250
RPM®	657AM	112	CB,RR.LL	Poncho 1250
TA Seeds	TA 614-22DP	110	GENVT2RIB	Avicta Complete
TA Seeds	TA 647-22DP	111	GENVT2RIB	Avicta Complete
TA Seeds	TA 683-22DP	112	GENVT2RIB	Avicta Complete

¹Refer to Table 4 to see the descriptions of the trait codes.

²Hybrids in **bold print** are check hybrids that were included with funding from the Maryland Grain Producers' Utilization Board.

Table 7. Relative maturity, genetic traits, and seed treatments for full-season hybrids tested in Maryland during 2013.

BRAND/ COMPANY NAME	HYBRID NAME	RELATIVE MATURITY	GENETIC TRAITS ¹	SEED TREATMENT
Augusta	A5363	113	VT3Pro	Cruiser 250
Augusta	A5664	114	3000GT	Cruiser 250
Augusta	A6664	114	VT3Pro	Cruiser 250
Augusta	A6665	115	VT3Pro	Cruiser 250
Augusta (Check)²	A5565	115	VT3Pro	Cruiser 250
Dekalb	DKC63-33	113	GENSSRIB	Acceleron 500 Votivo
Dekalb	DKC63-87	113	GENVT2PRIB	Acceleron 500 Votivo
Dekalb	DKC64-69	114	GENVT3P	Acceleron 500 Votivo
Dekalb	DKC67-57	117	GENVT3P	Acceleron 500 Votivo
Dekalb (Check)²	DKC65-19	115	GENVT3PRIB	Acceleron 500 Votivo
DOEBLERS®	698GRQ	114	CB,RW,RR,LL	Cruiser 250
Dyna-Gro	D53VC13	113	GENVT2P	Acceleron500/Votivo
Dyna-Gro	D54VP81	114	GENVT3P	Acceleron500/Votivo
Dyna-Gro	D57VP51	117	GENVT3P	Acceleron500/Votivo
FS InVISION	FS 6333SS	113	GENSS	Poncho Votivo 500
FS InVISION	FS 63R29SS	113	GENSS	Poncho Votivo 500
FS InVISION	FS 64R46SS	114	GENSS	Poncho Votivo 500
Hubner	H4744RC2P	113	GENVT2PRIB	Poncho 250
Hubner	H6844RCSS	115	GENSSRIB	Poncho 250
Mycogen	2C786	114	SSX	Cruiser 250
NK	N 74R 3000GT	114	3000GT	Avicta Complete 500
Partner's	PB8641GT	116	GT	Not Designated
Pioneer (Check)²	P 1498HR	114	HX1LLRR2	Not Designated
RPM®	687AM	113	CB ,RR,LL	Cruiser 250
RPM®	743HXR	116	CB,RR,LL	Cruiser 250
RPM®	765YHR	117	CB,RR,LL	Poncho 1250
TA Seeds	TA 744-22DP	114	GENVT2PRIB	Avicta Complete
TA Seeds	TA 753-22DP	115	GENVT2PRIB	Avicta Complete
TA Seeds	TA 774-22DP	116	GENVT2PRIB	Avicta Complete

¹Refer to Table 4 to see the descriptions of the trait codes.

²Hybrids in **bold print** are check hybrids that were included with funding from the Maryland Grain Producers' Utilization Board.

Table 8. Performance of early maturity hybrids evaluated at Wye Research and Education Center, Queenstown, MD during 2013.

Entry Number	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight	Population (plants/A)
25	Augusta	A2847	180.8	100.7	18.4	0.0	58.9	29040
21	Augusta	A2954⁴	184.1	102.5	20.0	0.0	58.0	29190
31	Augusta	A2956	175.6	97.7	19.6	0.0	59.5	27729
7	Dekalb	DKC52-04 GENVT3PRIB	180.7	100.6	18.0	0.0	58.9	30539
8	Dekalb	DKC52-61 GENVT2PRIB	190.6	106.1	19.0	0.0	57.3	28853
9	Dekalb	DKC53-56 GENSSRIB	161.3	89.8	18.5	0.0	57.5	29227
10	Dekalb	DKC57-50 VT3⁴	219.8*	122.4	21.5	0.0	57.7	31850
11	Dekalb	DKC57-75 GENSSRIB	161.7	90.0	21.1	0.0	57.7	30351
1	Dyna-Gro	D47SS23	173.7	96.7	20.5	0.0	59.5	25668
62	FS Invision	FS55R25VT3P	175.8	97.9	18.8	0.0	58.9	30644
65	FS Invision	FS57R30SS	187.1	104.2	21.2	0.0	58.2	30726
37	Hubner	H5333RC3P	185.6	103.3	19.9	0.0	59.1	30726
34	NK	N 59B 3011A	163.6	91.1	21.1	0.0	58.2	26792
32	Pioneer	P0216HR⁴	198.0*	110.2	19.9	0.0	56.5	28665
50	RPM®	588AMX	182.0	101.3	20.9	0.0	60.4	30539
42	TA Seeds	TA 544-28	163.3	90.9	18.4	0.0	56.8	28665
43	TA Seeds	TA 565-20	190.7	106.2	19.7	0.0	56.2	26792
Trial Mean			179.6		19.8	0	58.0	29179
LSD_{0.05}			26.1		1.02		1.42	2780
CV%			8.75%		3.11		1.48	5.74

¹See Table 5 for trait designations for early-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 9. Performance of mid-season maturity hybrids evaluated at Wye R&E Center, Queenstown, MD during 2013.

Entry Number	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight	Population (plants/A)
59	Agra	715GT3000	193.5*	100.6	20.8	0	58.0	26758
29	Augusta	A0720	203.6*	105.8	21.3	0	56.6	25999
23	Augusta	A5262	189.9*	98.7	22.9	0	55.8	26979
22	Augusta	A5658⁴	200.1*	104.0	20.8	0	57.4	29067
12	Dekalb	DKC61-16 GENSSRIB	190.8*	99.2	19.6	0	58.3	27637
13	Dekalb	DKC61-88 GENVT3PRIB	208.9*	108.6	19.9	0	57.6	29227
14	Dekalb	DKC62-08 GENSSRIB⁴	199.4*	103.6	20.6	0	58.0	27686
15	Dekalb	DKC62-97 GENVT3PRIB	199.5*	103.7	21.2	0	56.6	28203
6	Dyna-Gro	CX50VP43	204.6*	106.3	19.3	0	57.2	25893
3	Dyna-Gro	D52VC91RIB	197.3*	102.6	20.6	0	60.2	28665
66	FS Invision	FS61R21VT3P	182.7	94.9	19.1	0	58.6	29040
38	Hubner	H5420RC3P	193.8*	100.7	20.7	0	57.2	29552
39	Hubner	H6615RCSS	175.5	91.2	21.1	0	58.7	29567
73	Mycogen	2A749	181.8	94.5	23.1	0	55.0	30274
68	Mycogen	2V709	184.2	95.7	21.7	0	57.3	28853
69	Mycogen	2V717	185.1	96.2	21.9	0	55.4	29227
70	Mycogen	2V779	205.1*	106.6	22.8	0	55.6	28560
71	Mycogen	2Y767	189.0*	98.2	23.1	0	55.5	27541
33	NK	N 61X 3011 Brand	189.4*	98.4	19.1	0	56.3	30164
35	NK	N70J 3011A	207.4*	107.8	22.2	0	57.2	29227
61	Partner's	PB8441	197.6*	102.7	23.6	0	56.7	28478
75	Pioneer	P 1184AM⁴	180.6	93.9	19.7	0	60.1	27568
51	RPM®	604HRQ	158.1	82.2	17.8	0	59.2	28562
52	RPM®	633HXR	200.6*	104.3	19.2	0	60.9	30269
53	RPM®	647AM1	175.7	91.3	20.6	0	61.2	28136
54	RPM®	657AM	194.9*	101.3	20.0	0	58.9	29112
44	TA Seeds	TA 614-22DP	184.1	95.7	20.4	0	57.8	31688
45	TA Seeds	TA 647-22DP	205.7*	106.9	20.2	0	59.0	30508
46	TA Seeds	TA 683-22DP	200.5*	104.2	20.9	0	58.3	27166
Trial Mean			192.4		20.8	0	57.7	28607
LSD_{0.05}			22.8		1.17		1.56	ND
CV%			7.24		3.42		1.65	8.43

¹See Table 6 for hybrid trait designations for mid-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 10. Performance of full season hybrids evaluated at Wye Research and Education Center, Queenstown, MD during 2013.

Test Entry No.	Brand/ Company Name	Hybrid Name ¹	Yield (bu/a) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
28	Augusta	A5363	187.3	93.5	22.8	0	59.4	27916
24	Augusta	A5565⁴	205.1	102.4	23.3	0	59.5	29227
27	Augusta	A5664	216.7*	108.2	24.4	0	57.9	28665
30	Augusta	A6664	226.6*	113.1	23.5	0	58.9	29415
26	Augusta	A6665	212.3*	106.0	22.4	0	59.0	28853
16	Dekalb	DKC63-33 GENSSRIB	218.1*	108.9	22.2	0	58.0	27987
17	Dekalb	DKC63-87 GENVT2PRIB	202.0	100.9	24.0	0	58.5	29227
18	Dekalb	DKC64-69 GENVT3P	204.9	102.3	22.8	0	59.2	28853
19	Dekalb	DKC65-19 GENVT3PRIB⁴	216.9*	108.3	24.0	0	60.6	27916
20	Dekalb	DKC67-57 GENVT3P	207.6*	103.6	23.9	0	59.5	28911
56	DOEBLERS®	698GRQ	214.3*	107.0	25.1	0	57.5	30566
4	Dyna-Gro	D53VC13	180.2	90.0	24.9	0	59.3	29179
5	Dyna-Gro	D54VP81	187.4	93.6	21.9	0	61.2	29378
2	Dyna-Gro	D57VP51	210.6*	105.1	23.3	0	59.7	27916
67	FS Invision	FS 6333SS	191.7	95.7	23.6	0	59.0	29415
63	FS Invision	FS63R29SS	190.9	95.3	24.3	0	62.0	30539
64	FS Invision	FS64R46SS	193.2	96.4	24.0	0	60.8	27729
40	Hubner	H4744RC2P	218.4*	109.1	24.0	0	59.8	28103
41	Hubner	H6844RCSS	190.4	95.0	25.6	0	60.7	30644
72	Mycogen	2C786	201.4	100.6	27.3	0	59.1	29415
36	NK	N 74R 3000 GT	197.1	98.4	24.6	0	56.2	30191
60	Partner's	PB8641	162.5	81.1	24.2	0	59.7	28853
76	Pioneer	P 1498HR⁴	192.7	96.2	22.6	0	59.7	28428
55	RPM®	687AM	187.3	93.5	23.7	0	61.6	26604
57	RPM®	743HXR	190.7	95.2	23.0	0	60.7	29348
58	RPM®	765YHR	188.8	94.3	22.7	0	62.3	28297
47	TA Seeds	TA 744-22DP	183.4	91.6	25.8	0	59.9	27354
48	TA Seeds	TA 753-22DP	212.0*	105.9	23.1	0	60.9	30771
49	TA Seeds	TA 774-22DP RIB	218.5*	109.1	25.1	0	56.1	29977
Trial Mean			200.3		23.9	0	59.5	28954
LSD_{0.05}			20.8		1.06		1.36	2594
CV%			6.35		2.72		1.4	5.48

¹See Table 7 for trait designations for full season hybrids.

²Yields are reported at 15% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different ($p=0.05$) compared to the **top-yielding hybrid** at this location.

Table 11. Performance of early season hybrids at Lower Eastern Shore R&E Center- Poplar Hill Facility, Quantico, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
25	Augusta	A2847	176.2	89.6	21.1	0.0	59.3	32770
21	Augusta	A2954⁴	184.7	94.0	22.7	0.0	56.1	33182
31	Augusta	A2956	193.1	98.3	22.2	0.0	57.7	31092
7	Dekalb	DKC52-04 GENVT3PRIB	193.1	98.3	20.1	3.9	60.3	31202
8	Dekalb	DKC52-61 GENVT2PRIB	188.2	95.8	19.8	2.0	56.9	34482
9	Dekalb	DKC53-56 GENSSRIB	189.2	96.3	20.2	1.4	58.7	34151
10	Dekalb	DKC57-50 VT3⁴	219.7*	111.8	23.9	0.0	55.3	35366
11	Dekalb	DKC57-75 GENSSRIB	187.0	95.2	23.1	0.0	56.6	34174
1	Dyna-Gro	D47SS23	185.0	94.1	22.0	0.7	59.2	30057
62	FS Invision	FS55R25VT3P	201.4	102.5	20.4	1.4	60.1	32001
65	FS Invision	FS57R3OSS	216.5*	110.2	23.3	0.0	57.0	34205
37	Hubner	H5333RC3P	193.6	98.5	21.3	0.0	59.0	32812
74	Mycogen	2R602	219.6*	111.7	20.8	0.0	56.1	34464
34	NK	N 59B 3011A	193.2	98.3	23.6	0.0	57.1	29804
32	Pioneer	P0216HR⁴	197.6	100.5	19.9	0.0	56.7	31556
50	RPM®	588AMX	202.6*	103.1	23.0	0.0	58.9	33839
42	TA Seeds	TA 544-28	200.0	101.8	21.5	1.3	57.5	33577
43	TA Seeds	TA 565-20	197.4	100.4	21.5	0.0	57.2	28417
Trial Mean			196.5		21.7	0.6	57.8	32619
LSD_{0.05}			17.9		0.95	NS	1.5	2957
CV%			5.48		2.63	332	1.59	5.46

¹See Table 5 for trait designations for early-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 12. Performance of mid-season hybrids evaluated at Lower Eastern Shore R&E Center- Poplar Hill Facility, Quantico, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
59	Agra	715GT3000	184.1	90.8	25.2	1.4	54.2	31500
29	Augusta	A0720	216.5*	106.8	26.5	0.0	56.5	32815
23	Augusta	A5262	212.9*	105.0	26.0	0.7	55.0	33496
22	Augusta	A5658⁴	210.8*	103.9	25.0	0.0	58.1	33601
12	Dekalb	DKC61-16 GENSSRIB	207.7*	102.4	23.3	0.7	57.9	30675
13	Dekalb	DKC61-88 GENVT3PRIB	223.0*	109.9	23.8	0.0	58.6	33554
14	Dekalb	DKC62-08 GENSSRIB⁴	197.0	97.1	24.4	0.0	58.0	29031
15	Dekalb	DKC62-97 GENVT3PRIB	209.2*	103.2	24.5	0.0	58.4	29606
6	Dyna-Gro	CX50VP43	214.9*	105.9	22.6	0.0	58.4	29431
3	Dyna-Gro	D52VC91RIB	219.8*	108.4	24.9	0.0	60.6	33692
66	FS Invision	FS61R21VT3P	209.9*	103.5	22.2	0.0	59.1	33735
38	Hubner	H5420RC3P	202.9	100.0	24.7	0.6	57.9	30952
39	Hubner	H6615RCSS	191.6	94.5	24.6	1.3	58.9	33447
73	Mycogen	2A749	201.8	99.5	28.1	0.0	56.6	33077
68	Mycogen	2V709	205.5*	101.4	25.1	0.0	57.5	35031
69	Mycogen	2V717	196.1	96.7	25.9	0.0	55.3	32688
70	Mycogen	2V779	205.8*	101.5	27.1	0.6	56.5	32931
71	Mycogen	2Y767	208.7*	102.9	27.9	0.0	60.0	29387
33	NK	N 61X 3011 Brand	185.7	91.6	23.9	0.6	56.0	32817
35	NK	N70J 3011A	197.7	97.5	26.9	0.0	58.1	32623
61	Partner's	PB8441	200.1	98.7	27.7	0.0	57.4	30938
75	Pioneer	P 1184AM⁴	200.4	98.8	23.0	1.4	61.1	32583
51	RPM®	604HRQ	171.9	84.8	21.9	0.0	60.7	31295
52	RPM®	633HXR	195.6	96.4	23.2	0.0	61.2	32440
53	RPM®	647AM1	186.1	91.8	24.3	0.0	60.8	31005
54	RPM®	657AM	204.5*	100.8	23.5	0.0	59.6	32642
44	TA Seeds	TA 614-22DP	207.3*	102.2	24.4	0.0	58.3	35071
45	TA Seeds	TA 647-22DP	206.3*	101.7	25.3	0.0	59.2	33026
46	TA Seeds	TA 683-22DP	207.3*	102.2	25.6	0.0	59.8	30378
Trial Mean			202.8		24.9	0.25	58.3	32188
LSD_{0.05}			19.2		0.95	N.S.	2.4	3155
CV%			5.79		2.35	281	2.58	5.99

¹See Table 6 for trait designations for mid-season hybrids.

²Yields are reported at 15% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 13. Performance of full season hybrids evaluated at Lower Eastern Shore R&E Center- Poplar Hill Facility, Quantico, MD during 2013.

Test Entry No.	Brand/ Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
28	Augusta	A5363	211.4	98.0	22.7	0	58.2	31004
24	Augusta	A5565⁴	214.6*	99.4	24.6	0	58.2	33472
27	Augusta	A5664	219.1*	101.5	25.2	0	56.1	33516
30	Augusta	A6664	223.6*	103.6	25.0	0	58.4	33644
26	Augusta	A6665	226.7*	105.0	24.0	0	58.8	31785
16	Dekalb	DKC63-33 GENSSRIB	201.3	93.3	23.6	0	55.3	32397
17	Dekalb	DKC63-87 GENVT2PRIB	223.4*	103.5	25.3	0	58.0	32432
18	Dekalb	DKC64-69 GENVT3P	224.3*	104.0	24.0	0	57.6	32937
19	Dekalb	DKC65-19 GENVT3PRIB⁴	214.9*	99.6	23.9	1	60.1	30862
20	Dekalb	DKC67-57 GENVT3P	230.7*	106.9	25.4	0	58.8	32991
56	DOEBLERS [®]	698GRQ	224.8*	104.2	26.5	1	56.5	33607
4	Dyna-Gro	D53VC13	199.5	92.4	24.5	1	57.0	33186
5	Dyna-Gro	D54VP81	219.6*	101.8	22.9	0	59.9	35574
2	Dyna-Gro	D57VP51	237.2*	109.9	24.9	0	58.6	32654
67	FS Invision	FS 6333SS	217.5*	100.8	25.6	0	59.2	35509
63	FS Invision	FS63R29SS	191.3	88.7	26.4	1	61.7	32870
64	FS Invision	FS64R46SS	211.5	98.0	25.5	1	59.9	31873
40	Hubner	H4744RC2P	238.0*	110.3	24.6	1	58.3	28320
41	Hubner	H6844RCSS	207.1	96.0	28.0	0	62.0	33961
72	Mycogen	2C786	191.5	88.7	28.1	0	58.3	30111
36	NK	N 74R 3000 GT Brand	216.8*	100.5	24.3	0	56.7	30595
60	Partner's	PB8641	215.4*	99.8	25.3	0	58.7	33077
76	Pioneer	P 1498HR⁴	199.4	92.4	25.4	0	59.0	30424
55	RPM [®]	687AM	223.3*	103.5	25.7	0	64.4	31436
57	RPM [®]	743HXR	222.1*	102.9	24.9	0	58.8	32856
58	RPM [®]	765YHR	203.0	94.1	25.6	0	59.7	31906
47	TA Seeds	TA 744-22DP	212.1	98.3	26.2	1	58.7	33603
48	TA Seeds	TA 753-22DP	201.3	93.3	24.3	0	60.1	35332
49	TA Seeds	TA 774-22DP RIB	236.7*	109.7	26.5	0	57.1	34240
Trial Mean			215.8		25.1	0.2	56.4	32627
LSD_{0.05}			24.1		1.5	N.S.	2.7	2919
CV%			6.82		3.71	360	2.88	5.47

¹See Table 7 for trait designations for full season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 14. Performance of early-season hybrids evaluated at Lower Eastern Shore Research and Education Center, Salisbury Facility, Salisbury, MD during 2013.

Test Entry No.	Brand/ Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
25	Augusta	A2847	103.0	76.8	18.1	0.0	59.2	31850
21	Augusta	A2954⁴	124.8*	93.1	19.9	0.0	56.9	31850
31	Augusta	A2956	118.4	88.4	19.6	0.3	58.5	29789
7	Dekalb	DKC52-04 GENVT3PRIB	132.1*	98.6	18.8	0.0	57.7	32600
8	Dekalb	DKC52-61 GENVT2PRIB	108.1	80.7	18.7	0.0	55.6	30726
9	Dekalb	DKC53-56 GENSSRIB	122.7*	91.6	19.1	0.0	58.5	32787
10	Dekalb	DKC57-50 VT3⁴	154.5*	115.3	21.1	0.0	57.7	32225
11	Dekalb	DKC57-75 GENSSRIB	157.0*	117.1	20.9	0.0	57.4	32225
1	Dyna-Gro	D47SS23	153.0*	114.2	19.5	0.0	58.9	31288
62	FS Invision	FS55R25VT3P	120.9	90.2	19.3	0.0	59.7	31476
65	FS Invision	FS57R30SS	154.5*	115.3	19.7	0.0	58.4	31101
37	Hubner	H5333RC3P	151.3*	112.9	19.6	0.0	57.7	32974
74	Mycogen	2R602	139.9*	104.4	21.1	0.7	56.7	32225
34	NK	N 59B 3011A	148.5*	110.8	21.3	0.0	58.9	28665
32	Pioneer	P0216HR⁴	120.2	89.7	18.8	0.0	54.7	29977
50	RPM®	588AMX	133.8*	99.8	20.9	0.0	60.2	32038
42	TA Seeds	TA 544-28	131.2*	97.9	20.3	0.0	57.9	28853
43	TA Seeds	TA 565-20	138.0*	103.0	20.0	0.0	56.6	30351
Trial Mean			134.0		19.8	0.1	57.8	31278
LSD_{0.05}			34.3		0.94	N.S.	1.4	2065
CV%			15.43		2.86		1.49	3.98

¹See Table 5 for trait designations for early-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 15. Performance of mid-season hybrids evaluated at Lower Eastern Shore R&E Center, Salisbury Facility, Salisbury, MD during 2013.

Test Entry No.	Brand/Company	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population plants/A)
59	Agra	715GT3000	196.2	93.3	21.0	0.0	59.3	28853
29	Augusta	A0720	227.8	108.3	23.6	0.0	57.2	33537
23	Augusta	A5262	202.3	96.2	24.6	0.0	55.3	31476
22	Augusta	A5658⁴	195.7	93.0	20.6	0.0	58.3	33162
12	Dekalb	DKC61-16 GENSSRIB	219.3	104.3	20.8	0.0	58.0	30726
13	Dekalb	DKC61-88 GENVT3PRIB	235.3	111.9	21.1	0.0	59.5	32225
14	Dekalb	DKC62-08 GENSSRIB⁴	208.2	99.0	22.5	0.0	58.0	29227
15	Dekalb	DKC62-97 GENVT3PRIB	186.8	88.8	21.4	0.0	57.9	28291
6	Dyna-Gro	CX50VP43	224.4	106.7	21.0	0.0	58.0	29415
3	Dyna-Gro	D52VC91RIB	214.1	101.8	22.1	0.0	61.9	31101
66	FS Invision	FS61R21VT3P	203.7	96.8	20.3	0.3	58.8	32225
38	Hubner	H5420RC3P	234.3	111.4	21.7	0.0	58.3	32038
39	Hubner	H6615RCSS	201.1	95.6	22.1	0.0	59.6	32412
73	Mycogen	2A749	187.7	89.3	25.0	0.0	55.3	32787
68	Mycogen	2V709	203.2	96.6	22.3	0.0	57.9	31476
69	Mycogen	2V717	211.7	100.7	23.0	0.0	56.0	32038
70	Mycogen	2V779	217.8	103.6	24.0	0.0	54.7	30726
71	Mycogen	2Y767	209.7	99.7	24.7	0.0	56.3	31663
33	NK	N 61X 3011 Brand	203.1	96.6	21.0	0.0	57.7	32600
35	NK	N70J 3011A	220.7	104.9	23.3	0.0	59.0	33349
61	Partner's	PB8441	208.9	99.4	25.9	0.0	58.4	32038
75	Pioneer	P 1184AM⁴	208.9	99.3	22.2	0.0	61.9	32225
51	RPM®	604HRQ	202.1	96.1	20.7	0.0	60.9	32038
52	RPM®	633HXR	214.8	102.1	21.3	0.0	61.8	31663
53	RPM®	647AM1	219.6	104.4	22.1	0.0	60.1	30351
54	RPM®	657AM	210.9	100.3	21.1	0.0	60.1	32225
44	TA Seeds	TA 614-22DP	202.7	96.4	21.8	0.0	60.1	33537
45	TA Seeds	TA 647-22DP	211.9	100.8	21.9	0.0	59.8	31663
46	TA Seeds	TA 683-22DP	214.8	102.1	22.9	0.0	59.0	30164
Trial Mean			210.3		22.3	0	58.6	31560
LSD_{0.05}			N.S.		1.2	N.S.	1.44	1968
CV%			10.39		3.31		1.51	3.81

¹See Table 6 for trait designations for mid-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 16. Performance of full season hybrids evaluated at Lower Eastern Shore R&E Center, Salisbury Facility, Salisbury, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/a) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
28	Augusta	A5363	207.5	94.1	22.5	0.0	59.3	29602
24	Augusta	A5565⁴	218.2	99.0	24.0	0.0	59.8	31476
27	Augusta	A5664	224.1	101.6	24.0	0.0	57.9	32974
30	Augusta	A6664	228.4	103.6	24.6	0.0	59.9	30914
26	Augusta	A6665	232.3*	105.3	21.9	0.0	60.3	32038
16	Dekalb	DKC63-33 GENSSRIB	219.9	99.7	23.3	0.7	59.9	30914
17	Dekalb	DKC63-87 GENVT2PRIB	244.4*	110.8	23.8	0.0	57.6	31130
18	Dekalb	DKC64-69 GENVT3P	214.4	97.2	23.5	0.0	59.6	31476
19	Dekalb	DKC65-19 GENVT3PRIB⁴	257.6*	116.8	24.1	0.0	60.2	29415
20	Dekalb	DKC67-57 GENVT3P	224.7	101.9	25.1	0.0	60.1	30351
56	DOEBLERS®	698GRQ	202.6	91.9	27.3	0.0	56.6	31850
4	Dyna-Gro	D53VC13	218.9	99.3	23.4	0.0	58.3	32974
5	Dyna-Gro	D54VP81	221.3	100.3	22.8	0.0	60.7	32974
2	Dyna-Gro	D57VP51	206.2	93.5	23.3	0.3	59.1	29227
67	FS Invision	FS 6333SS	213.5	96.8	24.2	0.0	60.7	34848
63	FS Invision	FS63R29SS	225.6	102.3	24.6	0.0	61.1	32038
64	FS Invision	FS64R46SS	196.0	88.9	23.7	0.0	59.8	30726
40	Hubner	H4744RC2P	220.0	99.8	26.2	0.0	60.8	27166
41	Hubner	H6844RCSS	215.6	97.8	27.1	0.0	61.9	32600
72	Mycogen	2C786	217.5	98.6	26.6	0.0	57.2	32600
36	NK	N 74R 3000 GT Brand	230.8	104.7	24.2	0.0	58.2	30914
60	Partner's	PB8641	236.1*	107.1	26.4	0.0	59.3	32600
76	Pioneer	P 1498HR⁴	210.0	95.2	24.0	0.0	59.3	28665
55	RPM®	687AM	215.0	97.5	24.0	0.0	60.3	30914
57	RPM®	743HXR	221.4	100.4	24.9	0.0	59.8	31850
58	RPM®	765YHR	210.2	95.3	24.3	0.0	60.2	30164
47	TA Seeds	TA 744-22DP	225.0	102.0	26.0	0.0	59.1	33724
48	TA Seeds	TA 753-22DP	225.7	102.4	24.1	0.0	61.2	32412
49	TA Seeds	TA 774-22DP RIB	220.1	99.8	25.3	0.0	57.6	29227
Trial Mean			220.5		24.5	0.03	59.5	31302
LSD_{0.05}			26.6		1.7	N.S.	1.6	2476
CV%			7.36		4.18		1.6	4.84

¹See Table 7 for trait designations for full season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk next to yield are not significantly different (p=0.05) compared to the **top-yielding hybrid** at this location.

Table 17. Performance of early season hybrids evaluated at Western Maryland Research and Education Center, Keedysville, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
25	Augusta	A2847	167.1	96.2	16.8	0.0	57.7	28653
21	Augusta	A2954⁴	187.8*	108.1	18.8	0.0	57.9	29234
31	Augusta	A2956	165.8	95.4	19.3	1.4	57.6	27298
7	Dekalb	DKC52-04 GENVT3PRIB	178.0*	102.4	17.3	0.0	58.0	28072
8	Dekalb	DKC52-61 GENVT2PRIB	155.7	89.6	15.9	0.0	55.8	28459
9	Dekalb	DKC53-56 GENSSRIB	182.2*	104.9	18.4	0.0	58.5	28072
10	Dekalb	DKC57-50 VT3⁴	188.6*	108.5	19.0	0.0	57.5	28266
11	Dekalb	DKC57-75 GENSSRIB	177.2*	102.0	20.1	0.0	57.8	28072
1	Dyna-Gro	D47SS23	167.3	96.3	18.8	0.0	57.4	28846
62	FS Invision	FS55R25VT3P	165.7	95.3	18.6	0.0	56.9	28459
65	FS Invision	FS57R30SS	170.6*	98.2	18.8	0.0	58.1	28459
37	Hubner	H5333RC3P	181.0*	104.1	18.7	0.0	57.2	28266
74	Mycogen	2R602	184.6*	106.2	19.3	0.0	54.8	27491
34	NK	N 59B 3011A	180.7*	104.0	21.2	0.0	56.8	28653
32	Pioneer	P0216HR⁴	177.1*	101.9	18.0	0.0	55.0	29040
50	RPM®	588AMX	170.3*	98.0	22.0	0.0	58.3	28653
42	TA Seeds	TA 544-28	157.4	90.6	18.1	0.0	58.2	30782
43	TA Seeds	TA 565-20	171.6*	98.7	20.0	0.0	56.2	29814
Trial Mean			173.8		18.8	0.1	57.2	28588
LSD_{0.05}			20.6		1.1	N.S.	1.7	N.S.
CV%			7.13		3.56		1.82	4.95

¹See Table 5 for trait designations for early-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 18. Performance of mid-season hybrids evaluated at Western Maryland Research and Education Center, Keedysville, MD during 2013.

Test Entry No.	Brand/Company	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
59	Agra	715GT3000	161.1	95.8	21.3	0.0	56.9	27756
29	Augusta	A0720	181.1*	107.7	23.2	0.0	54.9	28072
23	Augusta	A5262	175.2*	104.2	23.7	0.0	52.8	29427
22	Augusta	A5658⁴	158.7	94.4	20.6	0.0	56.4	29234
12	Dekalb	DKC61-16 GENSSRIB	163.2	97.0	20.4	0.0	57.6	29621
13	Dekalb	DKC61-88 GENVT3PRIB	178.1*	105.9	20.1	0.0	59.1	26910
14	Dekalb	DKC62-08 GENSSRIB⁴	179.3*	106.6	22.3	1.0	57.2	29234
15	Dekalb	DKC62-97 GENVT3PRIB	173.8*	103.3	20.9	0.3	56.8	28653
6	Dyna-Gro	CX50VP43	188.6*	112.1	20.6	0.0	57.0	28459
3	Dyna-Gro	D52VC91RIB	187.4*	111.4	22.7	0.3	59.2	29040
66	FS Invision	FS61R21VT3P	177.0*	105.2	19.3	0.0	57.8	28072
38	Hubner	H5420RC3P	154.0	91.6	21.1	0.0	57.1	28266
39	Hubner	H6615RCSS	151.0	89.8	20.5	0.0	58.7	29234
73	Mycogen	2A749	156.3	92.9	22.9	0.0	53.3	27491
68	Mycogen	2V709	169.8*	100.9	21.9	0.0	57.3	27878
69	Mycogen	2V717	167.1*	99.3	21.4	0.0	55.4	29234
70	Mycogen	2V779	172.2*	102.4	22.8	0.0	55.4	27611
71	Mycogen	2Y767	166.7*	99.1	23.7	0.0	55.2	28266
33	NK	N 61X 3011 Brand	148.3	88.1	20.3	0.0	57.1	29234
35	NK	N70J 3011A	169.4*	100.7	22.2	0.0	55.7	28653
61	Partner's	PB8441	186.1*	110.6	24.5	0.0	56.3	28653
75	Pioneer	P 1184AM⁴	163.4	97.1	21.3	0.0	59.9	27685
51	RPM®	604HRQ	160.8	95.6	20.0	0.0	60.2	27491
52	RPM®	633HXR	143.6	85.4	20.8	0.0	59.6	25362
53	RPM®	647AM1	162.9	96.8	20.8	0.7	60.3	29427
54	RPM®	657AM	163.5	97.2	21.7	0.0	57.4	29040
44	TA Seeds	TA 614-22DP	180.1*	107.1	19.8	0.0	59.7	28653
45	TA Seeds	TA 647-22DP	186.7*	111.0	22.9	0.0	58.7	29621
46	TA Seeds	TA 683-22DP	152.2	90.5	21.1	1.0	58.1	28846
Trial Mean			168.2		21.5	0.1	57.3	28452
LSD_{0.05}			23.5		1.2		1.7	N.S.
CV%			8.55		1.24		1.86	

¹See Table 6 for trait designations for mid-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 19. Performance of full season hybrids evaluated at Western Maryland Research and Education Center, Keedysville, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
28	Augusta	A5363	193.4*	102.8	22.3	0.0	56.9	29621
24	Augusta	A5565⁴	173.3	92.2	23.6	0.7	56.9	29234
27	Augusta	A5664	213.9*	113.7	24.3	0.0	55.1	28266
30	Augusta	A6664	190.1*	101.1	22.3	0.0	57.4	28072
26	Augusta	A6665	206.7*	109.9	22.6	0.0	57.5	29427
16	Dekalb	DKC63-33 GENSSRIB	169.9	90.3	20.6	0.0	58.9	28459
17	Dekalb	DKC63-87 GENVT2PRIB	182.5	97.0	22.2	0.0	56.9	29234
18	Dekalb	DKC64-69 GENVT3P	190.1*	101.0	22.4	0.0	58.2	28846
19	Dekalb	DKC65-19 GENVT3PRIB⁴	194.8*	103.6	23.8	0.0	58.0	29234
20	Dekalb	DKC67-57 GENVT3P	185.6	98.7	24.2	0.7	55.8	27298
56	DOEBLERS®	698GRQ	194.0*	103.1	24.0	0.0	54.9	27878
4	Dyna-Gro	D53VC13	175.7	93.4	22.8	0.0	57.0	28266
5	Dyna-Gro	D54VP81	182.6	97.1	22.4	0.7	58.5	29427
2	Dyna-Gro	D57VP51	204.7*	108.8	22.7	0.0	56.5	30008
67	FS Invision	FS 6333SS	196.9*	104.7	23.9	0.0	58.4	27104
63	FS Invision	FS63R29SS	197.3*	104.9	25.5	0.7	58.3	27685
64	FS Invision	FS64R46SS	211.0*	112.2	24.3	0.0	58.4	28459
40	Hubner	H4744RC2P	198.0*	105.3	24.5	0.0	57.4	29814
41	Hubner	H6844RCSS	180.0	95.7	26.3	0.0	58.9	27104
72	Mycogen	2C786	207.4*	110.3	27.0	0.7	56.4	29040
36	NK	N 74R 3000 GT Brand	185.1	98.4	22.5	0.0	54.4	29234
60	Partner's	PB8641	186.0	98.9	25.3	0.7	57.4	27491
76	Pioneer	P 1498HR⁴	174.1	92.6	22.5	0.0	58.5	29621
55	RPM®	687AM	178.6	94.9	23.8	0.0	59.9	29427
57	RPM®	743HXR	157.3	83.6	24.5	0.0	58.7	27298
58	RPM®	765YHR	155.9	82.9	23.4	2.7	59.8	29427
47	TA Seeds	TA 744-22DP	181.9	96.7	25.1	0.0	56.2	29234
48	TA Seeds	TA 753-22DP	185.7	98.7	23.4	0.0	58.8	28266
49	TA Seeds	TA 774-22DP RIB	202.7*	107.8	26.4	0.0	54.3	28072
Trial Mean			188.1		23.7	0.2	57.4	28639
LSD_{0.05}			26.0		1.3	N.S.	1.4	N.S.
CV%			8.44		3.3		1.46	5.42

¹See Table 7 for trait designations for full season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 20. Performance of early hybrids evaluated at Central Maryland Research and Education Center, Clarksville, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
25	Augusta	A2847	173.3	91.4	14.6	0.0	56.0	29040
21	Augusta	A2954⁴	184.9*	97.5	17.1	0.0	56.2	29240
31	Augusta	A2956	198.9*	104.9	17.1	0.0	57.2	28039
7	Dekalb	DKC52-04 GENVT3PRIB	177.7	93.7	15.2	0.0	55.7	25235
8	Dekalb	DKC52-61 GENVT2PRIB	163.3	86.1	14.6	0.0	55.0	31644
9	Dekalb	DKC53-56 GENSSRIB	174.5	92.0	15.9	0.0	56.0	30842
10	Dekalb	DKC57-50 VT3⁴	194.7*	102.7	16.5	0.0	56.3	31644
11	Dekalb	DKC57-75 GENSSRIB	199.1*	105.0	17.7	0.0	56.2	31443
1	Dyna-Gro	D47SS23	202.6*	106.8	16.4	0.0	56.5	30242
62	FS Invision	FS55R25VT3P	196.0*	103.4	16.7	0.0	57.4	30041
65	FS Invision	FS57R30SS	189.2*	99.8	17.4	0.0	56.8	29441
37	Hubner	H5333RC3P	203.6*	107.4	15.8	0.0	55.1	32044
34	NK	N 59B 3011A	192.6*	101.6	18.2	0.3	57.3	27638
32	Pioneer	P0216HR⁴	187.4*	98.9	17.6	0.0	53.1	29240
50	RPM®	588AMX	200.8*	105.9	17.9	0.0	57.3	30642
42	TA Seeds	TA 544-28	180.1*	95.0	15.5	0.0	55.3	27238
43	TA Seeds	TA 565-20	191.9*	101.2	17.1	0.3	56.2	28639
Trial Mean			189.6		16.6	0.04	56.0	29585
LSD_{0.05}			24.3		0.69	N.S.	1.6	N.S.
CV%			7.72		2.53		1.69	9.73

¹See Table 5 for hybrid type code designations for early-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 21. Performance of mid-season hybrids evaluated at Central Maryland Research and Education Center, Clarksville, MD during 2013.

Test Entry No.	Brand/Company	Hybrid Name ¹	Yield (bu/A) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
59	Agra	715GT3000	192.5*	106.4	19.7	0.0	55.6	27238
29	Augusta	A0720	201.1*	111.1	20.6	0.0	55.4	29941
23	Augusta	A5262	179.9	99.5	20.9	0.0	54.1	26236
22	Augusta	A5658⁴	151.7	83.9	20.0	0.0	54.9	29040
12	Dekalb	DKC61-16 GENSSRIB	177.8	98.3	17.9	0.0	56.8	29040
13	Dekalb	DKC61-88 GENVT3PRIB	197.8*	109.4	17.9	0.0	57.5	29641
14	Dekalb	DKC62-08 GENSSRIB⁴	206.8*	114.3	21.1	0.0	58.2	25435
15	Dekalb	DKC62-97 GENVT3PRIB	179.6	99.3	17.9	0.0	55.6	26637
6	Dyna-Gro	CX50VP43	202.4*	111.9	18.2	0.0	56.6	25635
3	Dyna-Gro	D52VC91RIB	167.3	92.5	18.1	0.3	58.3	32244
66	FS Invision	FS61R21VT3P	176.8	97.7	17.6	0.0	56.9	30442
38	Hubner	H5420RC3P	192.4*	106.3	17.6	0.0	55.9	29240
39	Hubner	H6615RCSS	189.5*	104.8	19.9	0.0	57.4	31644
73	Mycogen	2A749	180.1	99.5	21.4	0.0	54.4	26837
68	Mycogen	2V709	178.3	98.6	19.3	0.0	55.5	27238
69	Mycogen	2V717	171.2	94.7	19.8	0.3	54.5	25635
70	Mycogen	2V779	172.4	95.3	21.4	0.0	54.2	28039
71	Mycogen	2Y767	176.3	97.4	22.4	0.0	53.9	29040
33	NK	N 61X 3011 Brand	178.2	98.5	18.0	0.0	56.3	28439
35	NK	N70J 3011A	206.0*	113.9	19.1	0.3	56.4	26637
61	Partner's	PB8441	182.8	101.0	21.8	0.0	56.3	25435
75	Pioneer	P 1184AM⁴	170.1	94.0	17.3	0.0	57.0	28185
51	RPM®	604HRQ	171.4	94.7	16.6	0.0	58.2	30242
52	RPM®	633HXR	170.3	94.1	18.9	0.0	59.6	31644
53	RPM®	647AM1	178.2	98.5	19.1	0.0	59.0	28840
54	RPM®	657AM	177.5	98.1	18.6	0.0	58.5	28639
44	TA Seeds	TA 614-22DP	161.9	89.5	16.8	0.0	57.5	31243
45	TA Seeds	TA 647-22DP	185.4*	102.5	19.4	0.0	59.2	29240
46	TA Seeds	TA 683-22DP	170.7	94.4	18.6	0.0	58.2	25836
Trial Mean			180.9		19.2	0.07	56.6	28399
LSD_{0.05}			22.2		1.6	N.S.	1.7	N.S.
CV%			7.51		5.2		1.82	11.39

¹See Table 6 for trait designations for mid-season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 22. Performance of full season hybrids evaluated at Central Maryland Research and Education Center-Clarksville Facility, Clarksville, MD during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name ¹	Yield (bu/a) ²	Relative Yield	Moisture %	Lodging ³ %	Test Weight (lb/bu)	Population (plants/A)
28	Augusta	A5363	157.2	82.6	19.0	0	57.4	30041
24	Augusta	A5565⁴	193.5*	101.7	20.1	0	59.6	32445
27	Augusta	A5664	192.6*	101.2	20.3	0	56.0	30842
30	Augusta	A6664	205.4*	107.9	20.0	0	59.6	29820
26	Augusta	A6665	186.0*	97.8	18.7	0	57.6	30442
16	Dekalb	DKC63-33 GENSSRIB	200.6*	105.4	18.5	0	58.1	28439
17	Dekalb	DKC63-87 GENVT2PRIB	193.9*	101.9	18.4	0	56.0	27838
18	Dekalb	DKC64-69 GENVT3P	183.2	96.3	19.5	0	57.9	28039
19	Dekalb	DKC65-19 GENVT3PRIB⁴	180.9	95.1	20.0	0	59.1	28639
20	Dekalb	DKC67-57 GENVT3P	191.2*	100.5	19.7	0	58.5	30442
56	DOEBLERS®	698GRQ	214.9*	112.9	20.8	0	55.5	31644
4	Dyna-Gro	D53VC13	176.4	92.7	19.0	0	57.3	27838
5	Dyna-Gro	D54VP81	209.8*	110.2	19.5	0	59.8	30041
2	Dyna-Gro	D57VP51	191.3*	100.5	19.4	0	58.6	29240
67	FS Invision	FS 6333SS	155.8	81.9	20.2	0	59.1	32445
63	FS Invision	FS63R29SS	201.5*	105.9	20.9	0	59.8	30642
64	FS Invision	FS64R46SS	193.7*	101.8	19.7	0	59.4	30442
40	Hubner	H4744RC2P	193.2*	101.5	20.1	0	58.5	25427
41	Hubner	H6844RCSS	181.4	95.3	22.6	0	60.1	28639
72	Mycogen	2C786	173.9	91.4	22.0	0	56.5	32445
36	NK	N 74R 3000 GT Brand	196.5*	103.3	20.2	0	55.8	28639
60	Partner's	PB8641	209.6*	110.2	20.2	0	57.6	32645
76	Pioneer	P 1498HR⁴	178.2	93.7	18.7	0	58.3	27838
55	RPM®	687AM	201.5*	105.9	19.7	0	59.6	28239
57	RPM®	743HXR	157.9	83.0	18.6	0.3	60.3	31043
58	RPM®	765YHR	202.3*	106.3	20.2	0	61.2	29841
47	TA Seeds	TA 744-22DP	170.5	89.6	20.5	0.3	58.2	30842
48	TA Seeds	TA 753-22DP	217.5*	114.3	20.0	0	59.4	29841
49	TA Seeds	TA 774-22DP RIB	207.8*	109.2	20.8	0	55.7	31043
Trial Mean			190.3		19.9	0.02	58.3	29854
LSD_{0.05}			34.1		1.1	N.S.	1.2	3764
CV%			10.97		3.44		1.22	7.71

¹See Table 7 for hybrid type code designations for full season hybrids.

²Yields are reported at 15.5% moisture content.

³Lodging is recorded as the percentage of plants broken below the ear and/or leaning 45° or greater.

⁴Hybrids in **bold** are check hybrids included with funding from the Maryland Grain Producers' Utilization Board.

*Hybrids with an asterisk are not significantly different (p=0.05) for yield compared to the **top-yielding hybrid** at this location.

Table 23. Relative yield scores for early season hybrids evaluated in Maryland during 2013.

Entry No.	Brand/Company	Hybrid	Relative Yield					
			Avg. 5 Sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
25	Augusta	A2847	90.9	100.7	89.6	76.8	91.4	96.2
21	Augusta	A2954¹	99.0	102.5	94.0	93.1	97.5	108.1
31	Augusta	A2956	96.9	97.7	98.3	88.4	104.9	95.4
7	Dekalb	DKC52-04 GENVT3PRIB	98.7	100.6	98.3	98.6	93.7	102.4
8	Dekalb	DKC52-61 GENVT2PRIB	91.7	106.1	95.8	80.7	86.1	89.6
9	Dekalb	DKC53-56 GENSSRIB	94.9	89.8	96.3	91.6	92.0	104.9
10	Dekalb²	DKC57-50 VT3¹	112.1	122.4	111.8	115.3	102.7	108.5
11	Dekalb	DKC57-75 GENSSRIB	101.9	90.0	95.2	117.1	105.0	102.0
1	Dyna-Gro	D47SS23	101.6	96.7	94.1	114.2	106.8	96.3
62	FS Invision	FS55R25VT3P	97.9	97.9	102.5	90.2	103.4	95.3
65	FS Invision	FS57R30SS	105.5	104.2	110.2	115.3	99.8	98.2
37	Hubner ³	H5333RC3P	105.2	103.3	98.5	112.9	107.4	104.1
34	NK ³	N 59B 3011A	103.0	91.1	111.7	104.4	101.6	106.2
32	Pioneer	P0216HR¹	104.4	110.2	98.3	110.8	98.9	104.0
50	RPM ^{®3}	588AMX	99.9	101.3	100.5	89.7	105.9	101.9
42	TA Seeds	TA 544-28	97.4	90.9	103.1	99.8	95.0	98.0
43	TA Seeds	TA 565-20	99.5	106.2	101.8	97.9	101.2	90.6
Trial Mean (bu/acre)			174.7	179.6	196.5	134.0	189.6	173.8

¹Hybrids in **bold** are check hybrids. They are included through funding provided by the Maryland Grain Producers' Utilization Board.

²Hybrids highlighted in light gray have relative yield ratings of 100 or greater at all sites tested.

³Hybrids highlighted in dark gray have relative yield ratings of 100 or greater at 4 testing sites.

Table 24. Relative yield scores for mid-season hybrids evaluated in Maryland during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name	Relative Yield %					
			Avg. 5 sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
59	Agra	715GT3000	97.4	100.6	90.8	93.3	106.4	95.8
23	Augusta	A5262	100.7	98.7	105.0	96.2	99.5	104.2
22	Augusta	A5658¹	95.8	104.0	103.9	93.0	83.9	94.4
29	Augusta ²	A0720	107.9	105.8	106.8	108.3	111.1	107.7
12	Dekalb	DKC61-16 GENSSRIB	100.2	99.2	102.4	104.3	98.3	97.0
14	Dekalb	DKC62-08 GENSSRIB¹	104.1	103.6	97.1	99.0	114.3	106.6
15	Dekalb	DKC62-97 GENVT3PRIB	99.7	103.7	103.2	88.8	99.3	103.3
13	Dekalb ²	DKC61-88 GENVT3PRIB	109.1	108.6	109.9	111.9	109.4	105.9
6	Dyna-Gro ²	CX50VP43	108.6	106.3	105.9	106.7	111.9	112.1
3	Dyna-Gro ³	D52VC91RIB	103.3	102.6	108.4	101.8	92.5	111.4
66	FS Invision	FS61R21VT3P	99.6	94.9	103.5	96.8	97.7	105.2
35	NK	N70J 3011A	105.0	107.8	97.5	104.9	113.9	100.7
39	Hubner	H6615RCSS	95.2	91.2	94.5	95.6	104.8	89.8
38	Hubner ³	H5420RC3P	102.0	100.7	100.0	111.4	106.3	91.6
73	Mycogen	2A749	95.1	94.5	99.5	89.3	99.5	92.9
68	Mycogen	2V709	98.6	95.7	101.4	96.6	98.6	100.9
69	Mycogen	2V717	97.5	96.2	96.7	100.7	94.7	99.3
71	Mycogen	2Y767	99.5	98.2	102.9	99.7	97.4	99.1
70	Mycogen ³	2V779	101.9	106.6	101.5	103.6	95.3	102.4
33	NK	N 61X 3011 Brand	94.6	98.4	91.6	96.6	98.5	88.1
61	Partner's	PB8441	102.5	102.7	98.7	99.4	101.0	110.6
75	Pioneer	P 1184AM¹	96.6	93.9	98.8	99.3	94.0	97.1
51	RPM®	604HRQ	90.7	82.2	84.8	96.1	94.7	95.6
52	RPM®	633HXR	96.5	104.3	96.4	102.1	94.1	85.4
53	RPM®	647AM1	96.6	91.3	91.8	104.4	98.5	96.8
54	RPM®	657AM	99.5	101.3	100.8	100.3	98.1	97.2
44	TA Seeds	TA 614-22DP	98.2	95.7	102.2	96.4	89.5	107.1
46	TA Seeds	TA 683-22DP	98.7	104.2	102.2	102.1	94.4	90.5
45	TA Seeds ²	TA 647-22DP	104.6	106.9	101.7	100.8	102.5	111.0
Trial Mean (bu/acre)			190.9	192.4	202.8	210.3	180.9	168.2

¹Hybrids in **bold** are check hybrids. They are included through funding provided by the Maryland Grain Producers' Utilization Board.

^{2,3}Hybrids in light grey have relative yield ratings of 100 or greater at 5 testing locations and those highlighted in dark grey have ratings of 100 or greater at 4 testing locations.

Table 25. Relative yield scores for full-season hybrids evaluated in Maryland during 2013.

Test Entry No.	Brand/Company Name	Hybrid Name	Relative Yield %					
			Average 5 Sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
28	Augusta	A5363	94.2	93.5	98.0	94.1	82.6	102.8
24	Augusta	A5565¹	98.9	102.4	99.4	99.0	101.7	92.2
27	Augusta ²	A5664	105.2	108.2	101.5	101.6	101.2	113.7
30	Augusta ²	A6664	105.9	113.1	103.6	103.6	107.9	101.1
26	Augusta ³	A6665	104.8	106.0	105.0	105.3	97.8	109.9
16	Dekalb	DKC63-33 GENSSRIB	99.5	108.9	93.3	99.7	105.4	90.3
18	Dekalb	DKC64-69 GENVT3P	100.2	102.3	104.0	97.2	96.3	101.0
19	Dekalb	DKC65-19 GENVT3PRIB¹	104.7	108.3	99.6	116.8	95.1	103.6
17	Dekalb ³	DKC63-87 GENVT2PRIB	102.8	100.9	103.5	110.8	101.9	97.0
20	Dekalb ³	DKC67-57 GENVT3P	102.3	103.6	106.9	101.9	100.5	98.7
56	DOEBLERS ³	698GRQ	103.8	107.0	104.2	91.9	112.9	103.1
4	Dyna-Gro	D53VC13	93.6	90.0	92.4	99.3	92.7	93.4
5	Dyna-Gro	D54VP81	100.6	93.6	101.8	100.3	110.2	97.1
2	Dyna-Gro ³	D57VP51	103.6	105.1	109.9	93.5	100.5	108.8
67	FS Invision	FS 6333SS	96.0	95.7	100.8	96.8	81.9	104.7
63	FS Invision	FS63R29SS	99.4	95.3	88.7	102.3	105.9	104.9
64	FS Invision	FS64R46SS	99.5	96.4	98.0	88.9	101.8	112.2
41	Hubner	H6844RCSS	96.0	95.0	96.0	97.8	95.3	95.7
40	Hubner ³	H4744RC2P	105.2	109.1	110.3	99.8	101.5	105.3
72	Mycogen	2C786	97.9	100.6	88.7	98.6	91.4	110.3
36	NK	N 74R 3000 GT	101.1	98.4	100.5	104.7	103.3	98.4
60	Partner's	PB8641	99.4	81.1	99.8	107.1	110.2	98.9
76	Pioneer	P 1498HR¹	94.0	96.2	92.4	95.2	93.7	92.6
55	RPM®	687AM	99.1	93.5	103.5	97.5	105.9	94.9
57	RPM®	743HXR	93.0	95.2	102.9	100.4	83.0	83.6
58	RPM®	765YHR	94.6	94.3	94.1	95.3	106.3	82.9
47	TA Seeds	TA 744-22DP	95.6	91.6	98.3	102.0	89.6	96.7
48	TA Seeds	TA 753-22DP	102.9	105.9	93.3	102.4	114.3	98.7
49	TA Seeds ³	TA 774-22DP RIB	107.1	109.1	109.7	99.8	109.2	107.8
Trial Mean (bu/acre)			203.0	200.3	215.8	220.5	190.3	188.1

¹Hybrids in **bold** are check hybrids. They are included through funding provided by the Maryland Grain Producers' Utilization Board.

²Hybrids highlighted in light grey have relative yield ratings of 100 or greater at 5 testing locations.

³Hybrids highlighted in dark grey have relative yield ratings of 100 or greater at 4 testing locations.