



2021 Maryland Corn Hybrid Performance Tests

<http://www.psla.umd.edu/extension/md-crops>

Agronomy Facts No. 54 is prepared by Dr. Nicole Fiorellino, Mr. Louis Thorne, and Mr. Joseph Crank

Test Procedures

The University of Maryland offers a fee-based, corn hybrid performance testing program to local and national seed companies. The results from these replicated trials provide agronomic performance information about corn hybrids tested at five locations in Maryland considered representative of the state's geography and weather conditions. Table 1 summarizes the agronomic and production information for each test site.

Hybrids tested in 2021 were entered by participating seed companies, listed in Table 2, that were solicited for submission of hybrids. These hybrids represented those currently available for purchase to experimental lines still under evaluation. Select Dekalb, Mid-Atlantic Seed, and Pioneer hybrids were identified for use as checks in the test. The inclusion of the performance data for check hybrids that are proven performers in the Mid-Atlantic region allows comparisons of newer hybrids to proven hybrids.

During 2021, 71 hybrids were tested using three maturity groups: early season (14 hybrids, Table 5), mid-season (24 hybrids, Table 6), and full season (33 hybrids, Table 7). Each company designated maturity group assignments for hybrids they submitted. Check hybrids were included in each of the five tests. All hybrid genetic traits and seed treatments are listed in Tables 5-7.

Each hybrid was replicated three times per location. Planting was done with a modified, four-row John Deere 1750 planter equipped with coulters and trash wheels for no-till planting. The modified planter units were manufactured by Clewell Precision Machine, Inc. Milton, PA. Each plot was four rows spaced 30 inches apart. Target population was 30,000 seeds per acre at dryland locations and 34,500 seeds per acre at the irrigated location (Salisbury Facility). Plot harvest length was approximately 32 feet. Harvest stand and number of lodged plants were counted within two weeks of harvest. The center two rows of each plot were harvested with an Almaco R1 research combine (Almaco Co., Nevada, IA). Grain yield, harvest moisture, and test weight were measured for each plot. These data were collected with a Seed Spector LRX system (Almaco Co., Nevada, IA) and recorded on Microsoft xTablet T1600.

Test Results

The overall performance across the locations for the hybrids in each maturity group is reported in Tables 8-10. Hybrid performance at individual locations can be found in Tables 11-25. The agronomic characteristics reported are yield, in bushels/acre corrected to 15% moisture content, harvest moisture content, percent lodging, test weight (lb/bu) at 15% moisture, and harvest population.

Good weather in 2021 was a welcome change from the events of 2020. Generally, yields were good across the state, with some isolated pockets experiencing challenging conditions. Planting and harvest was timely this year with yields averaged across the five locations for early (11), mid- (24), and full-season (36) varieties at 217 bu/ac, 234 bu/ac, and 244 bu/ac respectively. These yields were 28%, 29%, and 32%, respectively, to those observed for early, mid-, and full-season hybrids in 2020.

A least significant difference (LSD) value is reported for each test where statistical significant differences ($P \leq 0.1$) for a variable were observed among hybrids. The mean separation value has been calculated at the 10% probability level ($LSD_{0.1}$). 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 the LSD value, there is a 90% certainty that the difference in yield is real rather than due to random variability. The

coefficient of variation (CV) is a measure of the 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 10% for yield indicate that the precision for distinguishing yield differences was very good. Generally, CV values were mostly low this year, with at least one maturity group at each location lacking power to determine differences in yield among the hybrids.

Relative Yield

The selection of a hybrid or hybrids based solely on performance at one location is not recommended. It is better to select hybrids based upon performance over a number of locations and years, if possible. In order to compare the performance of each hybrid across the five locations, relative yield tables (Tables 26-28) are included. Relative yield is the ratio of the yield of a 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 consistently greater than 100 across all testing locations is considered to have excellent stability. In 2021, 13 hybrids met this standard: Hubner H4390RC2P (early), Seed Consultants SC1071 AM, Dekalb DKC59-82RIB (mid), Hubner H09G056, Mid-Atlantic Seeds MA8110, Mid-Atlantic Seeds MA8119, Seed Consultants SC1112AM, Dekalb DKC67-94RIB (full), Dekalb DKC70-27RIB, Dyna-Gro D55VC80, Growmark FS 6306T RIB, Hubner H13G513, and Seedway SW 1579VT.

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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 hybrids 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 reproduced information.

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Table 1. Production management practices used and other information for the locations of the 2021 Maryland Corn Hybrid Test

Location	Soil Type and Previous Crop	Fertilizer	Herbicides & Insecticides	Tillage	Plant and Harvest Dates	Farm Staff
Wye R&E Center Queenstown, MD	Mattapex silt loam Soybean then rye cover crop	<u>12 April:</u> 540 lb/ac as 4-22-18 <u>28 April:</u> 15 gal/ac as 20-13-0 <u>7 June:</u> 52 gal/ac as 30% UAN <u>Total:</u> 225-87-113	<u>13 Apr Pre-Plant:</u> Gly Star Plus @ 1 qt/ac <u>3 May Pre-Emerge:</u> Atrazine 4L @ 1 qt/ac Corvus @ 5.6 oz/ac Princep 4L @ 1 qt/ac	No tillage with use of trash wheels on planter	<u>Plant</u> 28 April <u>Harvest</u> 23 September (early) 28 September (mid, full)	John Draper Thomas Eason
Lower Eastern Shore R&E Center Poplar Hill Facility Quantico, MD	Nassawango silt loam Soybean then wheat cover crop	<u>14 April:</u> 400 lb/ac as 9-0-36-9S <u>6 May:</u> 16 gal/ac as 19-19-0-B-Zn <u>8 June:</u> 44 gal/ac as 30% UAN <u>Total:</u> 214-36-144-36S-0.1B-0.3Zn	<u>6 April Pre-Plant:</u> Gramoxone @ 1 qt/ac 2-4D Ester @ 1 pt/ac 80/20 Scanner @ 6 fl oz/ac <u>6 May Pre-Emerge:</u> LexarEZ @ 3 qt/ac <u>9 June Post-Emerge:</u> RoundUp @ 1 qt/ac Aatrex 90 @ 0.5 lb/ac	No tillage with use of trash wheels on planter	<u>Plant</u> 6 May <u>Harvest</u> 7 October	David Armentrout Vivian Calder Jordan Miller Fred Senkbeil
Lower Eastern Shore R&E Center Salisbury Facility Salisbury, MD	Rosedale loamy sand Soybean then wheat cover crop	<u>13 April:</u> 446 lb/a as 9-0-36-9S <u>6 May:</u> 15 gal/ac as 19-13-0-0.13S <u>24 May:</u> 30.7 gal/ac as 30% UAN <u>7 June:</u> 30.7 gal/ac as 30% UAN <u>Total</u> 272-22-160-42S	<u>14 April Pre-Plant:</u> Gramoxone @ 1qt/ac 2,4D Ester @ 1pt/ac 80/20 Scanner @ 6 fl oz/ac <u>6 May Pre-Emerge:</u> LexarEZ @ 3 qt/ac <u>7 June Post-Emerge:</u> RoundUp @ 1 qt/ac Aatrex90 @ 0.5 lb/ac	No tillage with use of trash wheels on planter	<u>Plant</u> 6 May <u>Harvest</u> 11 October	David Armentrout Vivian Calder David Long James Lynch Jordan Miller Fred Senkbeil
Central Maryland R&E Center Clarksville Facility Clarksville, MD	Glencol loam Soybeans	<u>6 April:</u> 8000 gal/ac liquid manure Approx. 28-126-42 <u>22 April:</u> 204 lb/ac as 15-0-29-7.4S-0.25B <u>7 May:</u> 40 gal/ac as 30% UAN <u>12 May:</u> 15 gal/ac as 19-13-0-0.13S <u>Total</u> 220-148-102-17S-0.5B	<u>18 April Pre-Plant:</u> Roundup Pwr Max @ 1.5 qt/ac 2,4-D LV4 @ 1 qt/ac Surfactant @ 1 qt/100 gal <u>7 May Pre-Emerge:</u> Acuron @ 2.5 qt/ac Atrazine 4L @ 1 qt/ac Solera @ 1 qt/ac Surfactant 80/20 @1 qt/100 gal <u>17 June Post-Emerge:</u> Status @ 5 oz/ac Surfactant 80/20 @ 1 qt/100gal	No tillage with use of trash wheels on planter	<u>Plant</u> 12 May <u>Harvest</u> 19 October	Ryan McDonald Michael Gray
Western Maryland R&E Center Keedysville, MD	Swanpond – Funkstown silt loam Cover crop	<u>7 Apr</u> 50-30-70-15S-0.5B <u>13 May</u> 35 gal/ac of 30% UAN <u>Total</u> 165-30-70-15S-0.5B	<u>15 May Pre-Emerge:</u> Acuron @ 2.5 qt/ac Atrazine 4L @ 1 qt/ac Weedone LV4 @ 1pt/ac Paraquat Conc. @ 1.5 pt/ac	No tillage with use of trash wheels on planter	<u>Plant</u> 12 May <u>Harvest</u> 20 October	Douglas Price David Wyand

Table 2. Brands and companies in the 2021 Maryland corn hybrid trials

Brand	Address
Augusta	P.O. Box 899, Verona, VA 24482 www.augustaseed.com
Dekalb	800 N. Lindbergh Blvd., St. Louis, MO 63167 www.dekalbasgrowdeltapine.com
Dyna-Gro	Nutrien Ag Solution, 396 Washington St., Boydton, VA 23917 www.dynagroseed.com
Growmark FS	1701 Towanda Ave., Bloomington, IL 61701 www.growmarkfs.com
Hubner	Hubner Seed Company, 306 North Main St., Monticello, IN 47960 www.hubnerseed.com
Local Seed Company	802 Rozelle St., Memphis, TN 38104 www.localseed.com
Mid-Atlantic Seeds	Mid-Atlantic Seeds, 316 N Albemarle St., York, PA 17402 www.midatlanticseeds.com
NK Brand	Syngenta Seeds, 4013 Fairmount Pike, Signal Mountain, TN 37377 www.syngenta-us.com
Pioneer	DuPont-Pioneer, PO Box 1000, Johnston, IA 50131 www.pioneer.com
Seed Consultants	648 Miami Trace Rd SW, Washington Court House, OH 43160 www.seedconsultants.com
SeedKoz	1725 Windward Concourse, Suite 410, Alpharetta, GA 30005 www.meherrinag.com
Seedway	1734 Railroad Pl, Hall, NY 14463 www.seedway.com

Table 3. Precipitation received in 2021 at Maryland locations of corn hybrid trials

Month	Wye	Poplar Hill	Salisbury ¹	Keedysville	Clarksville
	inches				
April	2.66	1.82	2.63 (0)	2.04	1.81
May	3.64	2.82	4.04 (0.2)	3.52	3.46
June	2.55	4.8	2.58 (1.2)	3.68	1.61
July	2.60	5.27	5.04 (2.7)	3.26	2.14
August	6.58	7.23	5.5 (0.3)	2.02	2.26
September	2.24	3.45	2.34 (0)	7.52	4.19
2021 Total (6 mos.)	20.27	25.39	22.96	22.04	15.47
Long Term Average²	27.39	23.07	25.28	21.04	21.06

¹The number in parenthesis following precipitation for each month indicates the amount of supplemental irrigation applied.

²Long term average precipitation is for the follow number of years at each location: Wye=22; Poplar Hill = 21; Salisbury = 32; Keedysville = 41; Clarksville =12

Table 4. Glossary of abbreviations for hybrid genetic traits and description of seed treatments.

Abbreviation	Description
Acceleron	Seed treatment for nematode and insect protection and soil/seed-borne fungal pathogens with the number referring to the concentration of the insecticide used
AM	Insect protection with YieldGard corn stalk borer gene, protection against European corn borer, LL, RR2
Avicta Complete Corn	Nematacide/insecticide/fungicide seed treatment combination
BL	Broad Lepidopteran
Bt	Contains a <i>Bacillus thuringiensis</i> (Bt) event for protection against European corn borer
CB	Hybrid trait providing resistance to corn borer
Cruiser/C250	Seed treatment to provide protection against broad spectrum of insect pests
Droughtgard (DG) Double Pro	Contains drought-tolerant biotechnology trait and dual modes of protection against corn earworm and other above-ground pests
GT3VIP	Contains Viptera (provides protection against aboveground insects and has glufosinate (Liberty) herbicide tolerance
LL	Refers to glufosinate (Liberty) herbicide tolerance
Lumigen	Pioneer proprietary seed treatment
P/V 1250	Combination of Poncho and Votivo with the number referring to the concentration of the insecticide used
Poncho 500	An insecticide seed treatment with the number referring to the concentration of the insecticide used.
Q (Qrome)	Dual modes of action, defend against above- and below-ground pests, Bt protein and HX and HX1 genes.
Radius 500	Seed treatment for nematode and insect protection with the number referring to the concentration of the insecticide used
RR, RR2	Has glyphosate herbicide tolerance
RW	Provides control of corn rootworm
Trecepta	Protection against European corn borer, broad Lepidopteran plus glyphosate and glufosinate herbicide tolerance
VT2P, VT2PRO	Contains RR2 gene and YieldGard corn stalk borer gene
VT2PDGRIB	Contains RR2 gene, YieldGard corn stalk borer gene, Drought Gard gene, and non-Bt seed blended in the bag creating refuge in the bag
VT2PRIB	Contains RR2 gene and YieldGard corn stalk borer gene and non-Bt seed blended in the bag creating refuge in the bag

Table 5. Relative maturity, genetic traits, and seed treatments for early-season hybrids tested in 2021. Check varieties are bolded.

Brand/Company	Hybrid Name	Relative Maturity	Genetic Traits	Seed Treatment
Dekalb	DKC55-85RIB	105	VT2PRIB	A500 Elite
Dekalb	DKC56-15RIB	106	TRERIB	A500 Elite
Dekalb	DKC56-65RIB	106	SSRIB	A500 Elite
Dekalb	DKC58-64RIB	108	SSRIB	A500 Elite
Hubner	H05G716	105	Drought gard, double pro	Poncho 500
Hubner	H4390RC2P	108	Double pro	Poncho 500
Mid-Atlantic Seeds	MA8039	103	VT2PRIB	
Mid-Atlantic Seeds	MA8042	104	SS	A250
Mid-Atlantic Seeds	MA8056	105	VT2PRIB	A250
Mid-Atlantic Seeds	MA8064	106	VT2P	A250
Mid-Atlantic Seeds	MA8106	106	VT2PRIB	A250
Pioneer	P0843AM	108	AM	Lumigen
Seed Consultants	SC1071AM	107	RR, LL	P/V
Seedway	SW 6540GENVT2P	107	Bt, RR	Acceleron

Table 6. Relative maturity, genetic traits, and seed treatments for mid-season hybrids tested in 2021. Check varieties are bolded.

Brand/Company	Hybrid Name	Relative Maturity	Genetic Traits	Seed Treatment
Augusta	A1961	111	Trecepta	Cruiser 250
Augusta	A2362	112	VT2Pro	Cruiser 250
Dekalb	DKC59-82RIB	109	VT2PRIB	A500 Elite
Dekalb	DKC61-41RIB	111	VT2PRIB	A500 Elite
Dekalb	DKC62-53RIB	112	VT2PRIB	A500 Elite
Dekalb	DKC62-70RIB	112	VT2PRIB	A500 Elite
Dekalb	DKC62-89RIB	112	TRERIB	A500 Elite
FS	FS 6017V RIB	110	VT2P RIB	ACCELERON 250
FS	FS 6202V RIB	112	VT2P RIB	ACCELERON 250
Hubner	H09G056	109	Drought Gard, double pro	Poncho 500
Hubner	H4321RC2P	109	Double pro	Poncho 500
Mid-Atlantic Seeds	MA8091	109	VT2PRIB	A250
Mid-Atlantic Seeds	MA8110	110	TRECRIB	A250
Mid-Atlantic Seeds	MA8119	111	DGVT2PRIB	A250
Mid-Atlantic Seeds	MA8128	112	VT2PRIB	
MorCorn	MC 3952	109	VT2P	A1250
MorCorn	MC 4255	112	VT2P	A1250
Pioneer	P1077AM	110	AM	Lumigen
Seed Consultants	SC1092AM	109	RR, LL	P/V
Seed Consultants	SC1112AM	111	RR, LL	P/V
Seed Consultants	SC1122Q	112	RR, LL	P/V
Seedway	SW 6790GENVT2P	112	Bt, RR	Acceleron
Syngenta	NK 1026-5332	110	BT,RW BL	Avicta Complete Corn 500 + Vibrance
Syngenta	NK 1082-5222	110	BT,RW,BL	Avicta Complete Corn 500 + Vibrance

Table 7. Relative maturity, genetic traits, and seed treatments for full-season hybrids tested in 2021. Check varieties are bolded.

Brand/Company	Hybrid Name	Relative Maturity	Genetic Traits	Seed Treatment
Augusta	A3363	113	VT2PRIB	A500 Elite
Dekalb	DKC64-65RIB	114	SSRIB	A500 Elite
Dekalb	DKC65-84RIB	115	VT2PRIB	A500 Elite
Dekalb	DKC67-44RIB	117	TRERIB	A500 Elite
Dekalb	DKC67-94RIB	117	VT2PRIB	A500 Elite
Dekalb	DKC70-27RIB	120	BT, RR	Acceleron 500
Dyna-Gro	D54VC14	114	BT, RR	Acceleron 500
Dyna-Gro	D55VC80	115	TRECEPTA RIB	ACCELERON 250
FS	FS 6306T RIB	113	VT2 RIB	ACCELERON 250
FS	FS 6595V RIB	115	VT2P RIB	ACCELERON 250
FS	FS 65R87VT2P	115	Drought gard, double pro	Poncho 500
Hubner	H13G513	113	Double Pro	Poncho 250
Hubner	H4663RC2P	113	Double Pro	Poncho 250
Hubner	H4744RC2P	113	Double Pro	Poncho 250
Hubner	H4763RC2P	115	Double Pro	Poncho 500
Hubner	H4828RC2P	116	Double Pro	Poncho 250
Hubner	H4890RC2P	117	Double Pro	Poncho 500
Local Seed Co	LC1307 TCRIB	113	CB/RR	Radius 500
Local Seed Co	LC1407 VT2PRIB	114	CB/RR	Radius 500
Local Seed Co	LC1506 VT2PRIB	115	BL/CB/RR	Radius 500
Local Seed Co	LC1616 TCRIB	116	GT3VIP	C250
Mid-Atlantic Seeds	MA5155	115	DCEZVIP	C250
Mid-Atlantic Seeds	MA5161	116	VT2PRIB	A250
Mid-Atlantic Seeds	MA8132	113	DGVT2PRIB	
Mid-Atlantic Seeds	MA8141	114	SSRIB	A250
Mid-Atlantic Seeds	MA8158	115	Trecepta	A1250
MorCorn	MC 4311	113	VT2P	A1250
MorCorn	MC 4319	113	Q	Lumigen
Pioneer	P1587Q	115	RR, LL	P/V
Seed Consultants	SC1158AM	115	Bt, RR	Acceleron
Seedway	SW 1579VT	115	BL,BT	Avicta Complete Corn 500 + Vibrance
Syngenta	NK 1677-3110	116	BL,BT	Avicta Complete Corn 500 + Vibrance
Syngenta	NK 1748-3110	117	VT2PRIB	A500 Elite

Table 8. Average performance of early maturity hybrids evaluated at five locations in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²
		2021	2020				
Dekalb	DKC55-85RIB	212	156	184	17.3	0.1	58.1
Dekalb	DKC56-15RIB	213	-	-	17.8	0.5	60.4
Dekalb	DKC56-65RIB	210	-	-	18.2	0	59.5
Dekalb	DKC58-64RIB	217	-	-	17.9	0.2	60.8
Hubner	H05G716	209	154	181	17.0	0.3	59.9
Hubner	H4390RC2P	228*	174	201	18.9	0.2	58.9
Mid-Atlantic Seeds	MA8039	207	-	-	16.8	0	62.2
Mid-Atlantic Seeds	MA8042	213	-	-	18.0	0.7	59.9
Mid-Atlantic Seeds	MA8056	200	-	-	17.0	0.5	60.8
Mid-Atlantic Seeds	MA8064	230*	-	-	18.0	0.6	60.4
Mid-Atlantic Seeds	MA8106	227*	-	-	18.4	0.3	59.5
Pioneer	P0843AM	226*	165	195	18.7	0.6	59.9
Seed Consultants	SC1071AM	241*	165	203	18.9	0.5	59.9
Seedway	SW 6540GENVT2P	207	-	-	18.2	0.7	60.1
Trial Mean (5 Locations)		217	157		17.9	0.4	60.0
Probability > F		0.0242					
LSD_{0.1}		19					

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

Table 9. Average performance of mid-season maturity hybrids evaluated at five locations in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²
		2021	2020				
Augusta	A1961	241	-	-	18.5	0.1	58.3
Augusta	A2362	234	-	-	19.3	0.1	58.3
Dekalb	DKC59-82RIB	244	180	212	18.3	0.3	58.8
Dekalb	DKC61-41RIB	246*	174	210	18.5	0	57.2
Dekalb	DKC62-53RIB	231	166	198	18.8	0	59.2
Dekalb	DKC62-70RIB	242	-	-	19.5	0	61.4
Dekalb	DKC62-89RIB	235	-	-	19.8	0.3	58.2
FS	FS 6017V RIB	238	-	-	18.3	0.2	58.0
FS	FS 6202V RIB	240	-	-	18.6	0.2	59.2
Hubner	H09G056	247*	171	209	18.2	0	58.1
Hubner	H4321RC2P	236	160	198	18.4	0.3	58.2
Mid-Atlantic Seeds	MA8091	234	166	200	19.0	0.4	58.6
Mid-Atlantic Seeds	MA8110	258*	-	-	19.0	0.4	59.8
Mid-Atlantic Seeds	MA8119	248*	-	-	18.7	0	59.4
Mid-Atlantic Seeds	MA8128	233	-	-	18.6	0.5	59.7
MorCorn	MC 3952	236	167	201	18.1	0.4	59.0
MorCorn	MC 4255	238	166	202	18.3	0	58.8
Pioneer	P1077AM	226	-	-	18.9	0	59.5
Seed Consultants	SC1092AM	228	-	-	18.9	0.5	59.3
Seed Consultants	SC1112AM	245*	-	-	19.3	1.1	59.6
Seed Consultants	SC1122Q	237	-	-	19.6	0.1	59.6
Seedway	SW 6790GENVT2P	236	-	-	18.5	0	59.5
Syngenta	NK 1026-5332	224	-	-	18.9	0.3	57.4
Syngenta	NK 1082-5222	222	166	194	19.1	0.1	57.6
Trial Mean (5 Locations)		238	167		18.8	0.2	58.8
Probability > F		0.003					
LSD_{0.1}		13					

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 10. Average performance of full-season maturity hybrids evaluated at five locations in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²
		2021	2020				
Augusta	A3363	249*	-	-	20.1	0	58.1
Dekalb	DKC64-65RIB	244	-	-	19.8	0.1	58.5
Dekalb	DKC65-84RIB	241	-	-	10.1	0	57.6
Dekalb	DKC67-44RIB	256*	172	214	20.2	0	60.0
Dekalb	DKC67-94RIB	256*	-	-	20.7	0.5	59.9
Dekalb	DKC70-27RIB	259*	172	215	21.8	0	58.9
Dyna-Gro	D54VC14	250*	173	211	19.7	0.3	59.6
Dyna-Gro	D55VC80	255*	173	214	20.2	0.1	58.6
FS	FS 6306T RIB	254*	-	-	19.1	0.4	60.3
FS	FS 6595V RIB	255*	-	-	20.1	0.2	57.1
FS	FS 65R87VT2P	243	-	-	19.8	0.9	60.1
Hubner	H13G513	250*	-	-	19.8	0.2	58.7
Hubner	H4663RC2P	243	161	202	19.3	0.4	58.5
Hubner	H4744RC2P	240	174	207	20.0	0	59.4
Hubner	H4763RC2P	246*	169	207	20.2	0	58.9
Hubner	H4828RC2P	249*	165	207	20.1	0	59.7
Hubner	H4890RC2P	235	-	-	21.0	0.5	59.9
Local Seed Co	LC1307 TCRIB	241	-	-	19.2	0.2	58.6
Local Seed Co	LC1407 VT2PRIB	243	-	-	19.6	0.6	58.6
Local Seed Co	LC1506 VT2PRIB	233	-	-	19.3	0.6	60.8
Local Seed Co	LC1616 TCRIB	242	-	-	20.8	0.4	59.7
Mid-Atlantic Seeds	MA5155	235	-	-	21.8	0.8	57.5
Mid-Atlantic Seeds	MA5161	224	-	-	22.7	1.5	54.3
Mid-Atlantic Seeds	MA8132	211	-	-	20.7	0	58.5
Mid-Atlantic Seeds	MA8141	251*	-	-	20.8	0.4	59.3
Mid-Atlantic Seeds	MA8158	234	-	-	20.5	0.1	60.1
MorCorn	MC 4311	243	-	-	18.9	0.4	59.2
MorCorn	MC 4319	247*	164	205	20.3	0.2	59.9
Pioneer	P1587Q	249*	-	-	20.5	0.1	59.6
Seed Consultants	SC1158AM	246*	168	207	20.0	0.3	59.1
Seedway	SW 1579VT	253*	-	-	20.3	0.3	58.7
Syngenta	NK 1677-3110	229	-	-	20.5	0	57.3
Syngenta	NK 1748-3110	239	161	200	21.1	0.4	57.4
Trial Mean (5 Locations)		244	166		20.3	0.3	58.9
Probability > F		<0.0001					
LSD_{0.1}		13					

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 11. Performance of early season maturity hybrids evaluated at Wye Research and Education Center, Queenstown, MD in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Dekalb	DKC55-85RIB	217	198	207	19.4	0	57.3	29040
Dekalb	DKC56-15RIB	190	-	-	19.7	0	59.3	32645
Dekalb	DKC56-65RIB	197	-	-	20.4	0	58.9	33045
Dekalb	DKC58-64RIB	196	-	-	19.8	0	60.1	32244
Hubner	H05G716	199	179	189	18.2	0	61.4	32645
Hubner	H4390RC2P	206	215	210	21.4	0	57.2	21844
Mid-Atlantic Seeds	MA8039	203	-	-	18.0	0	62.6	32244
Mid-Atlantic Seeds	MA8042	193	-	-	19.9	3.1	59.2	33045
Mid-Atlantic Seeds	MA8056	198	-	-	17.6	0	59.3	30642
Mid-Atlantic Seeds	MA8064	218	-	-	18.8	1.3	59.5	31844
Mid-Atlantic Seeds	MA8106	203	-	-	19.1	1.3	59.5	31844
Pioneer	P0843AM	203	202	202	21.3	0	58.1	33446
Seed Consultants	SC1071AM	213	205	209	20.9	0	58.9	29841
Seedway	SW 6540GENVT2P	209	-	-	20.8	0	58.4	32645
Trial Mean		203	184		19.7	0.3	59.2	31901
Probability > F		0.4694	-		<0.0001	0.5243	<0.0001	0.4060
LSD_{0.1}		NS⁵	-		0.5	NS⁵	0.9	NS⁵
CV%		8.5	-		6.2	491	2.6	6.7

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 12. Performance of mid-season maturity hybrids evaluated at Wye Research and Education Center, Queenstown, MD in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A1961	222	-	-	19.4	0	56.9	31844
Augusta	A2362	219	-	-	20.7	0	56.1	32645
Dekalb	DKC59-82RIB	224	218	221	19.8	0	56.3	33045
Dekalb	DKC61-41RIB	234*	219	226	19.4	0	55.7	33246
Dekalb	DKC62-53RIB	215	200	207	19.8	0	57.5	31644
Dekalb	DKC62-70RIB	232	-	-	20.8	0	58.2	33246
Dekalb	DKC62-89RIB	229	-	-	21.6	0	55.3	32645
FS	FS 6017V RIB	237*	-	-	19.1	0	55.8	31043
FS	FS 6202V RIB	228	-	-	19.5	0	56.2	31643
Hubner	H09G056	236*	212	224	18.9	0	55.9	34247
Hubner	H4321RC2P	217	214	215	19.9	0	56.6	33246
Mid-Atlantic Seeds	MA8091	218	202	210	19.7	0	57.2	32445
Mid-Atlantic Seeds	MA8110	249*	-	-	20.3	0	58.0	34247
Mid-Atlantic Seeds	MA8119	225	-	-	20.0	0	57.2	34648
Mid-Atlantic Seeds	MA8128	216	-	-	19.4	0	58.4	33045
MorCorn	MC 3952	236*	131	183	18.8	0	57.5	33446
MorCorn	MC 4255	222	209	215	20.5	0	56.5	32845
Pioneer	P1077AM	209	-	-	19.9	0	57.6	32645
Seed Consultants	SC1092AM	209	-	-	20.3	0	56.4	28239
Seed Consultants	SC1112AM	224	-	-	20.7	0	56.9	31443
Seed Consultants	SC1122Q	224	-	-	20.5	0	56.3	33646
Seedway	SW 6790GENVT2P	222	-	-	19.2	0	58.6	34047
Syngenta	NK 1026-5332	214	-	-	19.7	0	55.0	32845
Syngenta	NK 1082-5222	201	197	199	20.5	0	55.1	32845
Trial Mean		223	204		19.9	0	56.7	32703
Probability > F		0.0045			<0.0001	-	<0.0001	0.0044
LSD_{0.1}		16			0.7	-	1.0	1998
CV%		7.0			4.0	-	2.0	5.4

¹See Table 7 for trait designations for mid-season hybrids.

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 13. Performance of full season maturity hybrids evaluated at Wye Research and Education Center, Queenstown, MD in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A3363	240*	-	-	20.7	0	56.1	32044
Dekalb	DKC64-65RIB	230	-	-	21.4	0.6	55.4	32845
Dekalb	DKC65-84RIB	221	-	-	20.8	0	56.9	30842
Dekalb	DKC67-44RIB	246*	215	230	21.2	0	57.4	32445
Dekalb	DKC67-94RIB	250*	-	-	21.5	0	56.8	33446
Dekalb	DKC70-27RIB	227	208	217	22.8	0	54.9	33246
Dyna-Gro	D54VC14	223	222	222	20.2	0	57.6	32845
Dyna-Gro	D55VC80	236*	209	222	20.5	0	57.3	31844
FS	FS 6306T RIB	236*	-	-	20.0	0	57.0	34648
FS	FS 6595V RIB	222	-	-	20.4	0	56.7	32044
FS	FS 65R87VT2P	225	-	-	20.3	0	58.8	30442
Hubner	H13G513	233*	-	-	20.4	0	56.0	32645
Hubner	H4663RC2P	236*	206	221	20.5	0	56.3	32244
Hubner	H4744RC2P	220	206	213	20.4	0	58.2	32645
Hubner	H4763RC2P	231	200	215	21.1	0	57.4	31443
Hubner	H4828RC2P	238*	196	217	21.1	0	56.7	31443
Hubner	H4890RC2P	228	-	-	21.8	0	56.7	31844
Local Seed Co	LC1307 TCRIB	221	-	-	19.9	0	57.6	31243
Local Seed Co	LC1407 VT2PRIB	244*	-	-	19.8	0	58.1	32745
Local Seed Co	LC1506 VT2PRIB	231	-	-	20.5	0	59.1	29440
Local Seed Co	LC1616 TCRIB	219	-	-	21.7	0	56.9	34247
Mid-Atlantic Seeds	MA5155	222	-	-	22.6	0	55.1	32445
Mid-Atlantic Seeds	MA5161	204	-	-	23.6	0	51.6	30642
Mid-Atlantic Seeds	MA8132	224	-	-	22.0	0	55.5	30442
Mid-Atlantic Seeds	MA8141	232	-	-	21.5	0	56.0	33045
Mid-Atlantic Seeds	MA8158	225	-	-	21.8	0	57.7	31644
MorCorn	MC 4311	228	-	-	19.9	0	57.9	32645
MorCorn	MC 4319	235*	207	221	21.6	0	56.0	32445
Pioneer	P1587Q	213	-	-	21.3	0	56.3	32445
Seed Consultants	SC1158AM	221	235	228	21.2	0	55.9	31243
Seedway	SW 1579VT	237*	-	-	20.7	0	56.7	33045
Syngenta	NK 1677-3110	196	-	-	21.6	0	55.2	32845
Syngenta	NK 1748-3110	210	192	201	22.3	0	53.5	31844
Trial Mean		227	203		21.1	0.02	56.5	32147
Probability > F		0.0015	-		<0.0001	0.4861	<0.0001	0.2270
LSD_{0.1}		17	-		0.7	NS⁵	1.2	NS⁵
CV%		8.1	-		4.8	995	2.9	5.6

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 14. Performance of early season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Poplar Hill Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Dekalb	DKC55-85RIB	223	139	181	17.8	0	54.7	26136
Dekalb	DKC56-15RIB	251*	-	-	18.0	0	60.0	33299
Dekalb	DKC56-65RIB	226	-	-	18.3	0	58.9	30008
Dekalb	DKC58-64RIB	234*	-	-	18.3	0	59.0	28266
Hubner	H05G716	225	149	187	17.5	0	57.7	32525
Hubner	H4390RC2P	243*	175	209	18.9	0	57.9	30976
Mid-Atlantic Seeds	MA8039	222	-	-	17.1	0	60.5	24684
Mid-Atlantic Seeds	MA8042	230	-	-	17.9	0	59.6	30589
Mid-Atlantic Seeds	MA8056	200	-	-	17.7	0	58.3	27298
Mid-Atlantic Seeds	MA8064	229	-	-	18.4	1.3	58.4	30008
Mid-Atlantic Seeds	MA8106	235*	-	-	18.5	0	57.2	28169
Pioneer	P0843AM	230	169	199	18.8	0	58.7	30008
Seed Consultants	SC1071AM	249*	154	201	19.0	0	57.7	29234
Seedway	SW 6540GENVT2P	235*	-	-	18.3	0	59.9	30202
Trial Mean		231	150		18.2	0.1	58.4	29534
Probability > F		0.0087	-		<0.0001	0.0027	0.0944	0.0326
LSD_{0.1}		18	-		0.4	0.5	NS⁵	3452
CV%		7.3	-		3.0	441	3.5	10.7

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 15. Performance of mid-season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Poplar Hill Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A1961	259*	-	-	19.3	0	55.6	31170
Augusta	A2362	229	-	-	19.9	0	56.2	31557
Dekalb	DKC59-82RIB	250*	179	214	19.0	0	56.6	33299
Dekalb	DKC61-41RIB	250*	179	214	19.2	0	54.4	30976
Dekalb	DKC62-53RIB	227	148	187	18.9	0	56.7	27878
Dekalb	DKC62-70RIB	243*	-	-	19.3	0	60.2	29814
Dekalb	DKC62-89RIB	243*	-	-	20.2	0	55.2	31363
FS	FS 6017V RIB	238	-	-	18.6	0	56.5	28459
FS	FS 6202V RIB	247*	-	-	19.4	0	56.6	31170
Hubner	H09G056	256*	155	205	18.6	0	55.3	33493
Hubner	H4321RC2P	238	162	200	18.5	0	57.2	33299
Mid-Atlantic Seeds	MA8091	242	153	197	20.1	0	56.3	31944
Mid-Atlantic Seeds	MA8110	260*	-	-	19.6	0	56.1	28266
Mid-Atlantic Seeds	MA8119	248*	-	-	19.1	0	54.2	31363
Mid-Atlantic Seeds	MA8128	242	-	-	18.4	0	57.8	30782
MorCorn	MC 3952	237	189	213	18.6	0	57.1	30395
MorCorn	MC 4255	250*	165	207	20.3	0	55.6	32331
Pioneer	P1077AM	224	-	-	19.3	0	57.3	30976
Seed Consultants	SC1092AM	225	-	-	18.8	0	57.0	29427
Seed Consultants	SC1112AM	261*	-	-	20.1	0	56.3	31170
Seed Consultants	SC1122Q	250*	-	-	19.9	0	56.2	31170
Seedway	SW 6790GENVT2P	233	-	-	18.7	0	58.0	30976
Syngenta	NK 1026-5332	232	-	-	18.3	0	56.0	31750
Syngenta	NK 1082-5222	225	154	189	19.8	0	54.6	29621
Trial Mean		242	162		19.2	0	56.4	30944
Probability > F		0.0079	-		<0.0001	-	0.0055	0.4307
LSD_{0.1}		18	-		0.6	-	2.0	NS⁵
CV%		6.4	-		3.7	-	3.0	8.3

¹See Table 7 for trait designations for mid-season hybrids.

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 16. Performance of full season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Poplar Hill Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A3363	254*	-	-	20.2	0	55.6	28846
Dekalb	DKC64-65RIB	260*	-	-	19.9	0	56.3	31944
Dekalb	DKC65-84RIB	235	-	-	20.5	0	55.1	29234
Dekalb	DKC67-44RIB	235	192	213	20.7	0	56.3	28653
Dekalb	DKC67-94RIB	243*	-	-	21.1	0	54.8	30395
Dekalb	DKC70-27RIB	260*	180	220	22.0	0	57.2	32331
Dyna-Gro	D54VC14	256*	187	221	19.8	0	58.0	29766
Dyna-Gro	D55VC80	253*	191	222	20.5	0	54.9	26523
FS	FS 6306T RIB	254*	-	-	19.6	0.7	58.3	29234
FS	FS 6595V RIB	256*	-	-	20.5	0	57.2	29621
FS	FS 65R87VT2P	250*	-	-	19.6	0	56.7	29621
Hubner	H13G513	244*	-	-	20.1	0	54.7	29234
Hubner	H4663RC2P	243*	161	202	19.1	0	56.3	33493
Hubner	H4744RC2P	249*	183	216	20.4	0	55.7	27491
Hubner	H4763RC2P	234	203	218	20.4	0	55.3	28846
Hubner	H4828RC2P	253*	176	214	20.7	0	55.9	30782
Hubner	H4890RC2P	214	-	-	21.0	0	56.0	27878
Local Seed Co	LC1307 TCRIB	238	-	-	19.1	0	56.3	28070
Local Seed Co	LC1407 VT2PRIB	249*	-	-	19.4	0	56.8	31170
Local Seed Co	LC1506 VT2PRIB	228	-	-	19.3	0	57.2	27104
Local Seed Co	LC1616 TCRIB	249*	-	-	20.5	0	57.4	21750
Mid-Atlantic Seeds	MA5155	239	-	-	22.5	0	55.4	30008
Mid-Atlantic Seeds	MA5161	202	-	-	22.6	0.7	51.3	24587
Mid-Atlantic Seeds	MA8132	190	-	-	20.4	0	57.1	25362
Mid-Atlantic Seeds	MA8141	242*	-	-	21.8	0	54.9	29040
Mid-Atlantic Seeds	MA8158	232	-	-	21.0	0	56.9	31944
MorCorn	MC 4311	250*	-	-	19.4	0	56.1	29427
MorCorn	MC 4319	241	186	213	20.7	0	56.3	29621
Pioneer	P1587Q	260*	-	-	20.8	0	56.6	31557
Seed Consultants	SC1158AM	253*	170	211	19.8	0	55.3	28845
Seedway	SW 1579VT	250*	-	-	20.6	0	55.8	31750
Syngenta	NK 1677-3110	251*	-	-	20.9	0	55.1	31170
Syngenta	NK 1748-3110	259*	184	221	21.5	0	54.7	31363
Trial Mean		243	179		20.5	0.04	56.0	29598
Probability > F		<0.001	-		<0.0001	0.5070	0.0127	0.4481
LSD_{0.1}		18	-		0.6	NS⁵	2.2	NS
CV%		8.1	-		4.7	704	3.3	11.9

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 17. Performance of early season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Salisbury Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Dekalb	DKC55-85RIB	246	195	220	16.7	0	58.9	34848
Dekalb	DKC56-15RIB	249	-	-	17.7	0	59.5	36050
Dekalb	DKC56-65RIB	241	-	-	17.7	0	58.2	37652
Dekalb	DKC58-64RIB	246	-	-	17.5	0	58.8	37652
Hubner	H05G716	247	176	211	17.2	0.5	57.6	40656
Hubner	H4390RC2P	262	216	239	17.9	0	58.8	37251
Mid-Atlantic Seeds	MA8039	257	-	-	16.8	0	62.1	35249
Mid-Atlantic Seeds	MA8042	240	-	-	17.8	0	59.0	35649
Mid-Atlantic Seeds	MA8056	224	-	-	17.7	0.6	60.9	32645
Mid-Atlantic Seeds	MA8064	244	-	-	18.1	0	51.0	38653
Mid-Atlantic Seeds	MA8106	247	-	-	18.0	1.1	60.3	35649
Pioneer	P0843AM	267	183	225	17.8	0	59.3	38253
Seed Consultants	SC1071AM	259	193	226	18.0	2.5	60.0	38253
Seedway	SW 6540GENVT2P	252	-	-	17.9	1.0	58.1	39254
Trial Mean		249	187		17.6	0.4	59.5	36979
Probability > F		0.2412	-		<0.0001	0.3037	0.2521	0.1048
LSD_{0.1}		NS⁵	-		0.4	NS	NS	NS
CV%		6.9	-		2.8	287	3.4	8.2

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

Table 18. Performance of mid-season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Salisbury Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A1961	281*	-	-	18.2	0	59.8	39054
Augusta	A2362	261*	-	-	18.1	0	60.5	37652
Dekalb	DKC59-82RIB	279*	212	245	17.6	0	61.0	38253
Dekalb	DKC61-41RIB	277*	205	241	18.0	0	59.3	37852
Dekalb	DKC62-53RIB	251	211	231	18.2	0	60.0	34648
Dekalb	DKC62-70RIB	256	-	-	18.5	0	62.1	35849
Dekalb	DKC62-89RIB	262*	-	-	18.9	1.4	61.3	39054
FS	FS 6017V RIB	-	-	-	-	-	-	-
FS	FS 6202V RIB	268*	-	-	18.1	0	60.7	34848
Hubner	H09G056	274	210	242	17.8	0	58.7	41056
Hubner	H4321RC2P	261*	195	228	17.8	0	60.1	40856
Mid-Atlantic Seeds	MA8091	269*	191	230	18.0	0	51.2	36951
Mid-Atlantic Seeds	MA8110	279*	-	-	18.1	1.1	62.1	37702
Mid-Atlantic Seeds	MA8119	274*	-	-	17.9	0	62.1	38453
Mid-Atlantic Seeds	MA8128	239	-	-	17.9	3.5	61.2	40556
MorCorn	MC 3952	253	191	222	17.7	0	59.9	37051
MorCorn	MC 4255	274*	190	232	18.7	0	60.7	35849
Pioneer	P1077AM	255	-	-	18.4	0	60.3	36050
Seed Consultants	SC1092AM	251	-	-	18.6	0.6	61.1	35249
Seed Consultants	SC1112AM	266*	-	-	18.7	3.4	62.3	38653
Seed Consultants	SC1122Q	261*	-	-	19.3	0	60.2	40255
Seedway	SW 6790GENVT2P	265*	-	-	17.7	0	60.9	40656
Syngenta	NK 1026-5332	237	-	-	17.9	1.5	59.8	38853
Syngenta	NK 1082-5222	240	197	218	18.1	0.6	59.8	35248
Trial Mean		263	194		18.2	0.5	60.7	37807
Probability > F		0.0072	-		<0.0001	0.0800	0.1192	0.0399
LSD_{0.1}		20	-		0.4	NS⁵	NS	3569
CV%		6.5	-		2.9	287	2.4	7.7

¹See Table 7 for trait designations for mid-season hybrids.

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

⁶Did not receive enough seed, entry eliminated from this location.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 19. Performance of full season maturity hybrids evaluated at Lower Eastern Shore Research and Education Center – Salisbury Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A3363	289*	-	-	19.0	0	60.9	27852
Dekalb	DKC64-65RIB	271	-	-	18.9	0	61.9	36450
Dekalb	DKC65-84RIB	268	-	-	19.2	0	60.2	33847
Dekalb	DKC67-44RIB	283*	194	238	19.2	0	62.4	35449
Dekalb	DKC67-94RIB	270	-	-	19.5	2.0	62.4	39204
Dekalb	DKC70-27RIB	294*	203	248	20.6	0	63.1	36450
Dyna-Gro	D54VC14	266	195	230	18.6	0	61.6	40055
Dyna-Gro	D55VC80	269	206	237	19.2	0.9	61.3	36650
FS	FS 6306T RIB	274*	-	-	18.0	0	62.9	39254
FS	FS 6595V RIB	282*	-	-	19.0	1.0	63.0	37452
FS	FS 65R87VT2P	270	-	-	18.4	0	63.3	36851
Hubner	H13G513	280*	-	-	18.3	0	61.6	39054
Hubner	H4663RC2P	264	189	226	18.1	0.7	60.9	39054
Hubner	H4744RC2P	271	212	241	18.6	0	62.3	36851
Hubner	H4763RC2P	263	194	228	19.4	0	60.8	38653
Hubner	H4828RC2P	281*	194	237	18.7	0	63.1	40456
Hubner	H4890RC2P	253	-	-	19.9	2.4	62.9	36250
Local Seed Co	LC1307 TCRIB	276*	-	-	18.3	0	61.9	39054
Local Seed Co	LC1407 VT2PRIB	250	-	-	18.5	3.7	60.6	35749
Local Seed Co	LC1506 VT2PRIB	262	-	-	18.3	1.1	62.9	39454
Local Seed Co	LC1616 TCRIB	271	-	-	19.5	0	63.0	38453
Mid-Atlantic Seeds	MA5155	254	-	-	21.5	0	60.5	38453
Mid-Atlantic Seeds	MA5161	217	-	-	22.3	6.8	55.5	35449
Mid-Atlantic Seeds	MA8132	200	-	-	19.8	0	60.2	32745
Mid-Atlantic Seeds	MA8141	274*	-	-	19.2	0	62.9	37552
Mid-Atlantic Seeds	MA8158	259	-	-	19.5	0.5	62.3	39655
MorCorn	MC 4311	266	-	-	18.3	0	61.5	39454
MorCorn	MC 4319	264	194	229	19.1	0.8	63.8	37852
Pioneer	P1587Q	269	-	-	19.6	0.4	62.5	38303
Seed Consultants	SC1158AM	253	194	223	18.8	0.5	61.5	34247
Seedway	SW 1579VT	272*	-	-	18.9	1.1	62.9	39054
Syngenta	NK 1677-3110	253	-	-	19.5	0	61.1	37251
Syngenta	NK 1748-3110	267	176	221	20.7	0	61.3	36250
Trial Mean		266	195		19.2	0.7	61.9	37631
Probability > F		<0.0001	-		<0.0001	0.0201	0.0001	0.1791
LSD_{0.1}		17	-		0.7	2.4	1.9	NS⁵
CV%		7.3	-		5.5	289	3.2	7.8

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 20. Performance of early season maturity hybrids evaluated at Western Maryland Research and Education Center in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Dekalb	DKC55-85RIB	154	119	136	15.9	0.7	60.3	29427
Dekalb	DKC56-15RIB	168	-	-	16.1	0.6	61.5	31170
Dekalb	DKC56-65RIB	167	-	-	16.6	0	60.7	35042
Dekalb	DKC58-64RIB	181	-	-	16.3	0	63.3	31944
Hubner	H05G716	163	125	144	15.5	0	61.3	33880
Hubner	H4390RC2P	199*	122	160	17.5	1.2	60.7	30976
Mid-Atlantic Seeds	MA8039	154	-	-	15.5	0	62.8	32525
Mid-Atlantic Seeds	MA8042	197*	-	-	16.8	0	60.3	35235
Mid-Atlantic Seeds	MA8056	173	-	-	16.0	1.3	63.2	30782
Mid-Atlantic Seeds	MA8064	215*	-	-	17.5	0.6	62.1	33299
Mid-Atlantic Seeds	MA8106	214*	-	-	18.2	0	60.8	31750
Pioneer	P0843AM	217*	132	174	17.4	0.6	61.5	34267
Seed Consultants	SC1071AM	234*	127	180	18.3	0	60.5	65042
Seedway	SW 6540GENVT2P	135	-	-	15.9	0.6	62.2	31170
Trial Mean		184	123		16.7	0.4	61.5	32608
Probability > F		0.0037	-		<0.0001	0.7842	<0.0001	0.0421
LSD_{0.1}		38	-		0.7	NS⁵	1.0	3026
CV%		21.6	-		6.7	243	2.0	8.0

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 21. Performance of mid-season maturity hybrids evaluated at Western Maryland Research and Education Center in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A1961	214	-	-	17.3	0.6	61.0	32525
Augusta	A2362	221	-	-	18.0	0.6	60.5	33880
Dekalb	DKC59-82RIB	227	128	177	17.2	0	60.5	23912
Dekalb	DKC61-41RIB	232	125	178	18.0	0	59.5	31557
Dekalb	DKC62-53RIB	217	123	170	18.4	0	61.5	30976
Dekalb	DKC62-70RIB	225	-	-	18.8	0	63.2	32525
Dekalb	DKC62-89RIB	217	-	-	18.7	0	60.3	33299
FS	FS 6017V RIB	224	-	-	17.4	0.6	59.8	30202
FS	FS 6202V RIB	225	-	-	17.8	1.1	61.3	33106
Hubner	H09G056	231	128	179	17.4	0	59.0	33299
Hubner	H4321RC2P	222	119	170	17.7	0	60.0	31750
Mid-Atlantic Seeds	MA8091	218	108	163	18.0	0	59.8	34074
Mid-Atlantic Seeds	MA8110	230	-	-	18.3	0.6	61.2	31944
Mid-Atlantic Seeds	MA8119	249*	-	-	17.8	0	62.4	34267
Mid-Atlantic Seeds	MA8128	232	-	-	18.6	0	61.2	33493
MorCorn	MC 3952	217	124	170	16.9	2.1	60.4	33106
MorCorn	MC 4255	215	122	168	18.0	0	60.8	30782
Pioneer	P1077AM	203	-	-	17.9	0	61.2	32718
Seed Consultants	SC1092AM	213	-	-	17.9	2.0	61.9	29040
Seed Consultants	SC1112AM	225	-	-	18.2	0	61.5	31557
Seed Consultants	SC1122Q	227	-	-	18.5	0.6	60.9	33299
Seedway	SW 6790GENVT2P	221	-	-	18.3	0	61.4	34267
Syngenta	NK 1026-5332	212	-	-	19.7	0	57.7	32138
Syngenta	NK 1082-5222	217	122	169	18.0	0	59.7	31750
Trial Mean		222	123		18.0	0.4	60.7	32436
Probability > F		0.0163	-		<0.0001	0.6926	<0.0001	0.3372
LSD_{0.1}		15	-		0.6	NS⁵	1.0	NS
CV%		8.2	-		4.4	337	2.1	6.7

¹See Table 7 for trait designations for mid-season hybrids.

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 22. Performance of full season maturity hybrids evaluated at Western Maryland Research and Education Center in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A3363	232	-	-	19.4	0	59.6	33299
Dekalb	DKC64-65RIB	226	-	-	19.1	0	61.0	30395
Dekalb	DKC65-84RIB	237	-	-	19.4	0	61.1	31170
Dekalb	DKC67-44RIB	256*	114	185	19.3	0	62.5	33299
Dekalb	DKC67-94RIB	252*	-	-	20.4	0	60.3	33493
Dekalb	DKC70-27RIB	261*	131	196	21.9	0	61.1	36010
Dyna-Gro	D54VC14	251*	111	181	20.1	1.7	61.7	33686
Dyna-Gro	D55VC80	250*	117	183	20.0	0	59.3	33493
FS	FS 6306T RIB	250*	-	-	18.9	0	61.4	34267
FS	FS 6595V RIB	261*	-	-	20.0	0	59.4	34074
FS	FS 65R87VT2P	236	-	-	19.9	3.3	61.6	30395
Hubner	H13G513	240*	-	-	19.5	0	60.7	36784
Hubner	H4663RC2P	220	129	174	19.6	0	58.9	32331
Hubner	H4744RC2P	225	128	176	20.1	0	61.3	31557
Hubner	H4763RC2P	256*	118	187	19.6	0	60.8	31750
Hubner	H4828RC2P	227	114	170	19.4	0	61.9	64654
Hubner	H4890RC2P	242*	-	-	20.9	0	61.7	34461
Local Seed Co	LC1307 TCRIB	237	-	-	18.3	1.3	61.5	32912
Local Seed Co	LC1407 VT2PRIB	230	-	-	20.5	0	59.3	32138
Local Seed Co	LC1506 VT2PRIB	223	-	-	19.0	0	63.5	30008
Local Seed Co	LC1616 TCRIB	237	-	-	20.4	0	62.7	33880
Mid-Atlantic Seeds	MA5155	213	-	-	20.9	0	60.8	32912
Mid-Atlantic Seeds	MA5161	237	-	-	22.3	0	56.4	29234
Mid-Atlantic Seeds	MA8132	214	-	-	20.2	0	61.0	27104
Mid-Atlantic Seeds	MA8141	234	-	-	20.9	2.0	60.7	32331
Mid-Atlantic Seeds	MA8158	219	-	-	19.8	0	62.5	35235
MorCorn	MC 4311	218	-	-	17.9	0.6	61.8	34074
MorCorn	MC 4319	237	110	173	19.8	0	61.3	32525
Pioneer	P1587Q	246*	-	-	20.6	0	60.3	34848
Seed Consultants	SC1158AM	239*	113	176	20.1	1.2	60.6	33880
Seedway	SW 1579VT	244*	-	-	20.5	0	58.8	34267
Syngenta	NK 1677-3110	218	-	-	19.7	0	59.0	34848
Syngenta	NK 1748-3110	217	-	-	20.3	0.6	59.4	32525
Trial Mean		236	118		20.0	0.3	60.7	32965
Probability > F		0.0016	-		<0.0001	0.1084	<0.0001	<0.0001
LSD_{0.1}		22	-		0.9	NS⁵	1.5	2564
CV%		8.2	-		5.6	365	2.7	7.9

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 23. Performance of early season maturity hybrids evaluated at Central Maryland Research and Education Center – Clarksville Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Dekalb	DKC55-85RIB	221	130	175	16.6	0	59.3	29685
Dekalb	DKC56-15RIB	209	-	-	17.6	1.8	61.7	30976
Dekalb	DKC56-65RIB	221	-	-	17.8	0	61.0	30607
Dekalb	DKC58-64RIB	229	-	-	17.7	1.3	62.9	29317
Hubner	H05G716	211	139	175	16.7	1.2	61.4	31713
Hubner	H4390RC2P	232	144	188	19.0	0	59.7	30976
Mid-Atlantic Seeds	MA8039	203	-	-	16.9	0	62.6	27288
Mid-Atlantic Seeds	MA8042	205	-	-	17.4	0.6	61.4	31529
Mid-Atlantic Seeds	MA8056	202	-	-	16.3	0.6	62.1	28210
Mid-Atlantic Seeds	MA8064	244*	-	-	17.4	0	60.8	29870
Mid-Atlantic Seeds	MA8106	245*	-	-	18.3	0	60.5	31529
Pioneer	P0843AM	211	141	176	18.5	2.3	61.7	30607
Seed Consultants	SC1071AM	253*	146	199	18.4	0	62.6	30054
Seedway	SW 6540GENVT2P	202	-	-	17.9	1.8	61.8	32082
Trial Mean		220	136		17.6	0.7	61.4	30288
Probability > F		0.0001	-		<0.0001	0.7550	0.0003	0.0472
LSD_{0.1}		18	-		0.5	NS⁵	1.1	2258
CV%		9.0	-		4.7	234	2.0	6.4

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 24. Performance of mid-season maturity hybrids evaluated at Central Maryland Research and Education Center – Clarksville Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2 yr Yield Avg	Moisture %	Lodging ³ %	Test Weight (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A1961	243	-	-	18.2	0	58.5	32635
Augusta	A2362	241	-	-	19.6	0	58.2	30792
Dekalb	DKC59-82RIB	239	165	202	18.2	1.7	59.4	30607
Dekalb	DKC61-41RIB	238	158	198	18.1	0	57.0	30976
Dekalb	DKC62-53RIB	243	149	196	18.5	0	60.6	30423
Dekalb	DKC62-70RIB	254	-	-	20.0	0	63.4	29870
Dekalb	DKC62-89RIB	222	-	-	19.5	0	58.9	32083
FS	FS 6017V RIB	252	-	-	18.3	0	60.0	57288
FS	FS 6202V RIB	233	-	-	18.1	0	61.1	30238
Hubner	H09G056	240	158	199	18.3	0	60.5	30976
Hubner	H4321RC2P	240	149	194	18.3	1.3	57.1	29501
Mid-Atlantic Seeds	MA8091	236	159	197	19.0	1.7	59.3	32267
Mid-Atlantic Seeds	MA8110	266	-	-	19.2	0	60.9	30054
Mid-Atlantic Seeds	MA8119	243	-	-	18.6	0	61.1	31529
Mid-Atlantic Seeds	MA8128	239	-	-	18.6	0	60.2	30607
MorCorn	MC 3952	235	147	191	18.4	0	59.9	31160
MorCorn	MC 4255	228	144	186	18.9	0	60.5	31898
Pioneer	P1077AM	240	-	-	18.9	0	60.9	31529
Seed Consultants	SC1092AM	241	-	-	18.7	0	60.3	30423
Seed Consultants	SC1112AM	250	-	-	19.0	1.9	61.2	31529
Seed Consultants	SC1122Q	223	-	-	19.7	0	59.3	30607
Seedway	SW 6790GENVT2P	237	-	-	18.6	0	58.7	30422
Syngenta	NK 1026-5332	226	-	-	18.9	0	58.8	32267
Syngenta	NK 1082-5222	227	159	193	19.0	0	59.0	29317
Trial Mean		239	154		18.8	0.3	59.8	30794
Probability > F		0.2470	-		<0.0001	0.5837	0.3342	0.3514
LSD_{0.1}		NS⁵	-		0.5	NS	NS	NS
CV%		7.0	-		3.2	442	4.0	6.4

¹See Table 7 for trait designations for mid-season hybrids.

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 25. Performance of full season maturity hybrids evaluated at Central Maryland Research and Education Center – Clarksville Facility in 2021.

Brand/Company	Hybrid Name ¹	Yield (bu/ac) ²		2yr Yield Avg	Moist %	Lodging ³ %	Test Wt. (lb/bu) ²	Population (plants/ac)
		2021	2020					
Augusta	A3363	244	-	-	21.0	0	59.3	30423
Dekalb	DKC64-65RIB	235	-	-	19.9	0	57.9	31345
Dekalb	DKC65-84RIB	243	-	-	20.4	0	54.6	30238
Dekalb	DKC67-44RIB	259*	152	205	20.5	0	61.4	30792
Dekalb	DKC67-94RIB	259*	-	-	21.2	0	64.4	30976
Dekalb	DKC70-27RIB	251	138	194	21.9	0	58.1	32082
Dyna-Gro	D54VC14	250	148	199	20.0	0	59.4	21529
Dyna-Gro	D55VC80	273*	142	207	20.5	0	60.9	31529
FS	FS 6306T RIB	253	-	-	19.1	1.3	62.1	29870
FS	FS 6595V RIB	252	-	-	20.6	0	59.0	30238
FS	FS 65R87VT2P	236	-	-	20.5	1.3	60.4	30238
Hubner	H13G513	265*	-	-	20.2	1.1	61.5	32267
Hubner	H4663RC2P	248	122	185	19.7	1.4	59.6	29685
Hubner	H4744RC2P	232	139	185	20.8	0	59.6	30792
Hubner	H4763RC2P	246	139	192	20.6	0	60.0	29132
Hubner	H4828RC2P	247	146	196	20.8	0	60.9	28948
Hubner	H4890RC2P	238	-	-	21.2	0	62.1	32082
Local Seed Co	LC1307 TCRIB	254*	-	-	19.7	0	57.2	31345
Local Seed Co	LC1407 VT2PRIB	247	-	-	19.7	0	58.7	30607
Local Seed Co	LC1506 VT2PRIB	221	-	-	19.6	1.7	61.6	31160
Local Seed Co	LC1616 TCRIB	242	-	-	21.4	1.9	59.5	30976
Mid-Atlantic Seeds	MA5155	245	-	-	21.7	3.9	55.7	27841
Mid-Atlantic Seeds	MA5161	255*	-	-	22.9	0	56.9	28395
Mid-Atlantic Seeds	MA8132	222	-	-	20.9	0	59.3	27288
Mid-Atlantic Seeds	MA8141	245	-	-	21.4	0	60.9	.0607
Mid-Atlantic Seeds	MA8158	238	-	-	20.6	0	61.3	33557
MorCorn	MC 4311	252	-	-	19.9	0.6	59.0	30976
MorCorn	MC 4319	252	125	188	20.8	0	61.0	28948
Pioneer	P1587Q	249	-	-	20.7	0	61.5	21713
Seed Consultants	SC1158AM	262*	128	195	20.2	0	62.4	30792
Seedway	SW 1579VT	255*	-	-	21.2	0	58.0	31345
Syngenta	NK 1677-3110	226	-	-	20.8	0	56.1	30792
Syngenta	NK 1748-3110	241	137	189	20.7	1.9	58.5	30146
Trial Mean		247	137		20.6	0.4	59.7	30570
Probability > F		0.0038	-		<0.0001	0.0912	0.2923	0.3047
LSD_{0.1}		19	-		0.7	NS⁵	NS	NS
CV%		6.9	-		4.4	303	5.9	7.1

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

²Yields and test weights are reported at 15% moisture content.

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

⁴Hybrids in **bold** are checks.

⁵NS indicates that no statistically significant difference was observed for this characteristic.

*Hybrids with an asterisk next to yield are not statistically different (Probability > F ≤ 0.1) compared to the top yielding hybrid (highlighted in blue) at this location.

Table 26. Relative yield scores for early season hybrids evaluated in 2021. Hybrids with scores 100 or greater at four or more locations are considered to have good stability.

Brand/Company	Hybrid Name ¹	Relative Yield					
		Avg. 5 Sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
Dekalb	DKC55-85RIB	97	107	96	99	100	84
Dekalb	DKC56-15RIB	98	94	109	100	95	92
Dekalb	DKC56-65RIB	97	97	98	97	100	91
Dekalb	DKC58-64RIB	100	96	101	99	104	99
Hubner	H05G716	96	98	97	99	96	89
Hubner	H4390RC2P	105	101	105	105	105	109
Mid-Atlantic Seeds	MA8039	95	100	96	103	92	84
Mid-Atlantic Seeds	MA8042	98	95	99	96	93	108
Mid-Atlantic Seeds	MA8056	92	98	87	90	92	95
Mid-Atlantic Seeds	MA8064	107	107	99	98	111	118
Mid-Atlantic Seeds	MA8106	106	100	102	99	111	117
Pioneer	P0843AM	104	100	100	107	96	118
Seed Consultants	SC1071AM	112	105	108	104	115	128
Seedway	SW 6540GENVT2P	94	103	102	101	92	74
Trial Mean (bu/ac)		217	203	231	249	220	184

¹Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board

Hybrids highlighted in **green** have relative yield ratings of 100 or greater at all sites

Hybrid highlighted in **yellow** have relative yield ratings of 100 or greater at four testing sites

Table 27. Relative yield scores for mid-season hybrids evaluated in 2021. Hybrids with scores 100 or greater at four or more locations are considered to have good stability.

Brand/Company	Hybrid Name ¹	Relative Yield					
		Avg. 5 Sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
Augusta	A1961	102	100	107	107	102	96
Augusta	A2362	98	98	94	99	101	100
Dekalb	DKC59-82RIB	102	101	103	106	100	102
Dekalb	DKC61-41RIB	103	105	103	105	99	105
Dekalb	DKC62-53RIB	97	96	94	96	102	98
Dekalb	DKC62-70RIB	102	104	100	97	106	101
Dekalb	DKC62-89RIB	99	102	100	100	93	98
FS	FS 6017V RIB	103	106	98	-	105	101
FS	FS 6202V RIB	101	102	102	102	97	101
Hubner	H09G056	104	106	106	104	100	104
Hubner	H4321RC2P	99	97	98	99	100	100
Mid-Atlantic Seeds	MA8091	99	98	100	102	99	98
Mid-Atlantic Seeds	MA8110	108	112	107	106	111	103
Mid-Atlantic Seeds	MA8119	104	101	102	104	102	112
Mid-Atlantic Seeds	MA8128	99	97	100	91	100	104
MorCorn	MC 3952	99	106	98	96	98	98
MorCorn	MC 4255	100	99	103	104	95	97
Pioneer	P1077AM	95	94	93	97	100	91
Seed Consultants	SC1092AM	96	94	93	95	101	96
Seed Consultants	SC1112AM	103	101	108	101	104	101
Seed Consultants	SC1122Q	100	100	103	99	93	102
Seedway	SW 6790GENVT2P	99	100	96	101	99	100
Syngenta	NK 1026-5332	94	96	96	90	95	95
Syngenta	NK 1082-5222	94	90	93	91	95	97
Trial Mean (bu/ac)		238	223	242	263	239	222

¹Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board

Hybrids highlighted in **green** have relative yield ratings of 100 or greater at all sites

Hybrid highlighted in **yellow** have relative yield ratings of 100 or greater at four testing sites

Table 28. Relative yield scores for full season hybrids evaluated in 2021. Hybrids with scores 100 or greater at four or more locations are considered to have good stability.

Brand/Company	Hybrid Name ¹	Relative Yield					
		Avg. 5 Sites	Wye	Poplar Hill	Salisbury	Clarksville	Keedysville
Augusta	A3363	103	106	104	108	99	98
Dekalb	DKC64-65RIB	100	102	107	102	95	96
Dekalb	DKC65-84RIB	99	97	97	101	98	100
Dekalb	DKC67-44RIB	105	108	97	106	105	108
Dekalb	DKC67-94RIB	104	110	100	102	105	107
Dekalb	DKC70-27RIB	106	100	107	110	102	111
Dyna-Gro	D54VC14	102	98	105	100	101	106
Dyna-Gro	D55VC80	105	104	104	101	111	106
FS	FS 6306T RIB	104	104	105	103	102	106
FS	FS 6595V RIB	104	98	105	106	102	111
FS	FS 65R87VT2P	100	99	103	101	96	100
Hubner	H13G513	103	102	100	105	107	102
Hubner	H46663RC2P	99	104	100	99	100	93
Hubner	H4744RC2P	98	97	103	102	94	95
Hubner	H4763RC2P	101	102	96	99	100	109
Hubner	H4828RC2P	102	105	104	106	100	96
Hubner	H4890RC2P	96	101	88	95	96	102
Local Seed Co	LC1307 TCRIB	100	97	98	104	103	100
Local Seed Co	LC1407 VT2PRIB	100	107	102	94	100	97
Local Seed Co	LC1506 VT2PRIB	96	102	94	98	89	95
Local Seed Co	LC1616 TCRIB	100	97	103	102	98	100
Mid-Atlantic Seeds	MA5155	96	98	98	95	99	90
Mid-Atlantic Seeds	MA5161	92	91	83	82	103	100
Mid-Atlantic Seeds	MA8132	87	99	78	75	90	91
Mid-Atlantic Seeds	MA8141	102	102	99	103	99	108
Mid-Atlantic Seeds	MA8158	96	99	95	97	96	93
MorCorn	MC 4311	99	100	103	100	102	92
MorCorn	MC 4319	101	104	99	99	102	100
Pioneer	P1587Q	101	94	107	101	101	104
Seed Consultants	SC1158AM	101	97	104	95	106	101
Seedway	SW 1579VT	103	104	103	102	103	103
Syngenta	NK 1677-3110	94	86	103	95	92	92
Syngenta	NK 1748-3110	98	92	107	100	97	92
Trial Mean (bu/ac)		244	227	243	266	247	236

¹Hybrids in **bold** are checks included with funding from Maryland Grain Producers Utilization Board
Hybrids highlighted in **green** have relative yield ratings of 100 or greater at all sites
Hybrid highlighted in **yellow** have relative yield ratings of 100 or greater at four testing sites