Corn

2024 | IOWA CROP PERFORMANCE TESTS

Iowa's Official Variety Trials

IOWA STATE UNIVERSITY

College of Agriculture and Life Sciences

A summary of replicated research by Iowa Crop Improvement Association.

Iowa Crop Improvement Association

Iowa Crop Performance Tests—Corn is conducted each year to provide information farmers need to select the best hybrids for their production conditions. Yield trial information, testing procedures, and more can be found at **croptesting.iastate.edu.**

Testing Procedures

Seed companies, Iowa Crop Improvement Association, and Iowa State University are eligible to enter hybrids in the Iowa Crop Performance Tests—Corn. There are three testing districts and five testing sites within each district (Figure 1). Entries were subdivided into experiments based on relative maturity, providing an early-season and full-season test within each district. This year we evaluated 121 hybrids from 12 companies in 182 district-by-hybrid combinations.

Each entry was replicated four times in four-row plots at a planting rate of 34,500 kernels per acre at each location. Row spacing was 30 inches, plot length was 20 feet, and planted row length was 17.4 feet. The center two rows of each plot were harvested with a corn combine. No gleanings or dropped ears were included in yield data. A moisture determination was made from each plot and yields were corrected to 15.5 percent moisture for shelled corn. Yield determinations are based on a 20 foot plot, which includes the planted row plus the alley. This is because area in alleys may contribute to the yield of plants at the ends of planted rows.

Information Layout

Tables 3-5 contain two-year averages of agronomic information from a maximum of five locations each year. Current year district averages are shown in Tables 6-11, and entries are reported in either the early-season or full-season hybrid tests within each district. These tables contain a mean yield, moisture, and adjusted gross value based on all locations within the district. In addition, there are yield estimates based on the western fields and the eastern fields within a district. In these estimates, the location in the center of the district is used in both subcomponents. Each of these tables also contains the single-location yield for each entry. Lodging and more detailed information from the individual locations is available at **croptesting.iastate.edu.**

Least Squares Means

All trait means in all tables were computed using least squares means. In cases where some values are missing, this provides the best estimates of trait values across replications, locations, and years. Least squares means are not equivalent to simple arithmetic means like those computed in a spreadsheet program using raw data or location means. Least squares means should always be used in multiple-comparison tests like the Iowa Crop Performance Tests.

Interpretation of Results

Statistical analysis identifies the portion of yield differences due to variation in soil types, soil fertility, moisture availability, insect infestation, and diseases; plus any variation due to planting and harvesting techniques. The least significant difference (LSD) values for yield represent, in bushels per acre, the amount of yield variation that could be due to variations in the factors just mentioned. In comparing hybrids, yield differences greater than the LSD value can be attributed to differences in the yield potential of these hybrids; yield differences less than the LSD value are not statistically different and could have been due to other factors.

Grain moistures are indications of maturity and natural drying rate. Yield comparisons should be made among hybrids of similar maturity.

Growing conditions vary at each location. Stressful conditions, such as drought, extended periods of high temperature, or excess rainfall may affect some locations more than others. It is important to select hybrids having stable performance over a range of environmental conditions because it is not certain how next year's growing season will develop. High yields for two or more consecutive years indicate stable performance. If two-year means are not available, regional averages consisting of several locations should be used to make selection decisions. Performance data from a single location have a very low predictive probability and should not be relied upon for hybrid selection decisions.

Supplemental yield and agronomic information about specific hybrids may be obtained from seed dealers, crop consultants, and from neighbors who have grown these hybrids.

Use of Data in Advertisements

Specific advertising statements by a company about the performance of its entries must accurately reflect the published data.

Iowa Crop Performance Tests staff pictured below (left to right): Logan Shonka, Shawn Bryant, Ryan Budnik, & Keely Avery.

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The presentation of data for the hybrids tested does not imply endorsement by the authors or the agencies conducting the test.

Iowa Crop Performance Tests offers unbiased, third-party information to Iowa growers on the adaptation and performance of corn hybrids and soybean varieties. The latest results are available at **croptesting.iastate.edu.**

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Acknowledgments

This report would not be possible without the cooperative efforts of many organizations and people. Thanks to the following people for helping make our testing program a success: Shawn Bryant, Logan Shonka, and Keely Avery for putting in the time to get the plots planted, keeping them maintained, and ultimately harvested; Patrick Miner of Bayer Crop Science for providing us with fill plot and border row seed that is critical to our operation; the farmer cooperators, for without their help, our lives would be more difficult—they are listed in Table 1; students Taylor Evans, Kayla Baxter, and Jonah Hilton for their many hours of hard work—their efforts contributed greatly to the success of our mission; Nuwan De Silva for web design and technical support; and Carol Cornelious, Doan Schmitz, and Graydon Marzen for helping fill the gaps whenever and wherever extra hands are needed. A special thanks to all the companies who enter varieties in our tests—they are listed at the end of this report in Table 12. It is their participation and support that continues to make these tests an indispensable resource for Iowa farmers.

For More Information

- For more information about the *Iowa Crop Performance Tests,* visit **croptesting.iastate.edu.**
- For information about Iowa Crop Improvement Association, visit **iowacrop.org.**
- For questions or comments contact:

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Figure 1.

Test locations for the 2024 Iowa Crop Performance Tests—Corn

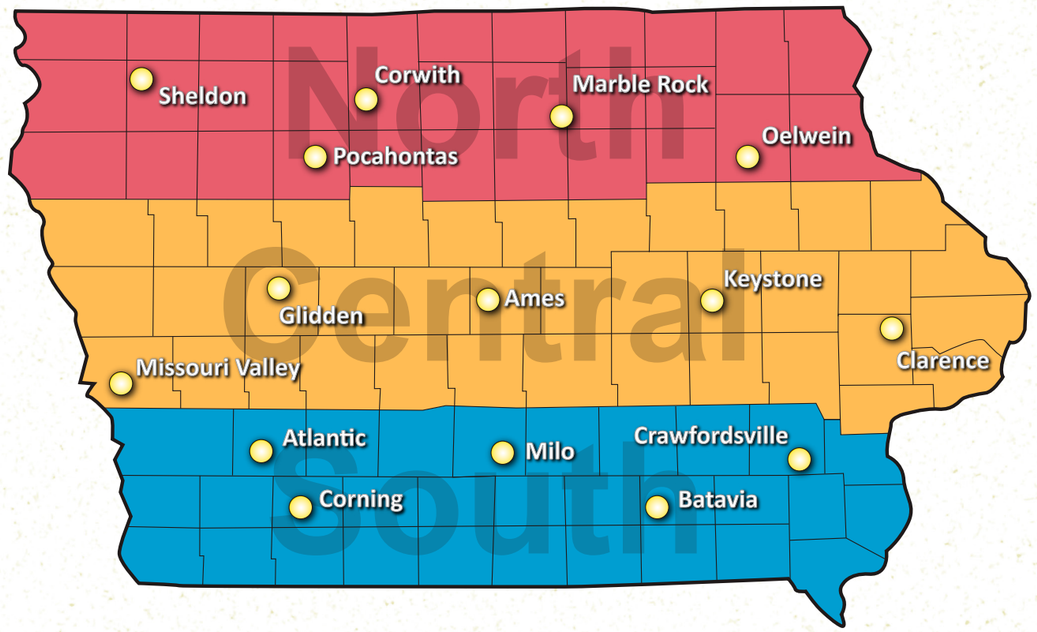

Table 1. General information for the 2024 corn test.

Location and Cooperator	Soil Type	Planting Date	Harvest Date	Avg Yield Bu/Acre
North				
Sheldon, Daryl Roos	Primghar/Galva silty clay loam	17-May	17-Oct	232.1
Pocahontas, John Schott	Okoboji mucky silty clay loam	18-May	N/A	N/A
Corwith, Jonathan Chambers	Canisteo clay loam, Kossuth silty clay loam	15-May	15-Oct	198.5
Marble Rock, Dave Muth	Ostrander/Bolan/Rockton loam	25-Apr	22-Oct	212.4
Oelwein, Heath Geiselman	Readlyn silt loam, Floyd loam	14-May	8-Oct	242.1
Central				
Missouri Valley, Dean McIntosh	McPaul/Kennebec silt loam	9-May	21-Oct	272.4
Glidden, David & Andy Theilen	Nicollet/Clarion loam, Beamis moraine	20-May	7-Oct	213.7
Ames, Karl Nichols	Canisteo/Webster clay loam, Beamis moraine	16-May	11-Oct	190.1
Keystone, Dennis & Steve Pohlman	Muscatine/Tama silty clay loam	14-May	10-Oct	244.3
Clarence, Dave Elijah	Muscatine silty clay loam	6-May	9-Oct	276.6
South				
Atlantic, Nick Hunt	Marshall silty clay loam	10-May	7-Oct	234.9
Corning, David Fuller	Corley-Minden complex	18-May	16-Oct	205.4
Milo, Craig & Adam Hill	Givin silt loam	25-Apr	30-Sep	214.0
Batavia, Pat Hammes	Taintor silty clay loam	21-May	28-Oct	253.9
Crawfordsville, Cody Schneider	Kalona silty clay loam	11-May	15-Oct	179.6

Table 2. GMO, Seed treatment, and other data descriptions.

GMO Trait Package

AA	Agrisure Above
AM	Optimum AQUAMax
AML	AcreMax Leptra
DGVT2P	Genuity DroughtGard + VT2P
DURV	Duracade Viptera
None	No Seed Treatment
PC	PowerCore
PCE	PowerCore Enlist
Qrome	Qrome
SS	SmartStax
SSP	SmartStax Pro
TRE	Trecepta
V5122A	Viptera 5122A
VE	Vorceed Enlist
V	Viptera
VT2P	VT Double PRO
VT4P	VT4 PRO w/RNAi Tech
VZ	Viptera Z3
–RIB	Refuge-in-bag

Herb Tech: Herbicide Technology

Conv	Conventional
GT, LL	Agrisure Glyphosate + Liberty Link
LL, RR2	Liberty Link + Roundup Ready 2
RR2	Roundup Ready 2

Seed Treatment

A500PV	Acceleron 500/Poncho/VOTiVO
ACL250	Acceleron @ 0.250 mg ai / seed
ACL500	Acceleron @ 0.500 mg ai / seed
ACLE	Acceleron Elite
C250	Cruiser @ 0.250 mg ai / seed
C500V	CrusierMaxx 500 + Vayantis
C1250V	CrusierMaxx 1250 + Vayantis
LMGN	LumiGEN
LMSP	Lumiscend Pro
None	No Seed Treatment
P500	Poncho 500

RM: Relative maturity in days, provided by entrant
Yield: Bushels per acre, standardized at 15.5% moisture
Moist: Harvest moisture, expressed as percent
AGV: Adjusted Gross Value, based on a price per bushel of $4.00 and drying costs of 4 cents per point

This year we evaluated over 121 hybrids from 12 companies in 182 district-by-hybrid combinations.
Entries were distributed in three districts and two experiments per district.
Each experiment was grown at five locations, with four replicates of each entry at each location.

Table 3. North district 2-year means, 2023-2024.

North early-season hybrids, ≈ RM ≤ 103

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	NW Yield Bu/A	NE Yield Bu/A	AGV $
NuTech/G2 Genetics	60A4AM	100	AM	LL,RR2	222.3	15.2	219.4	218.2	954
Dekalb	DKC101-35VT2PRIB	101	VT2P-RIB	LL,RR2	217.4	14.3	221.2	210.3	940
Legacy Seeds	LC534-23	103	TRE-RIB	RR2	217.2	15.0	217.3	210.1	934
Dekalb	DKC102-28TRERIB	102	TRE-RIB	LL,RR2	216.1	15.2	216.5	209.9	927
Latham	LH 4866 TREC	98	TRE-RIB	RR2	215.6	14.2	218.2	208.0	934
Viking/Blue River	46-02	102	None	None	211.7	15.2	211.9	204.4	909
Renk	RK628VT2P	102	VT2P-RIB	RR2	209.1	15.0	211.2	203.8	898
Pioneer	P0075Q	100	Qrome	LL,RR2	206.4	15.8	203.4	204.2	881
Pioneer	P0220Q	102	Qrome	LL,RR2	206.1	15.3	204.3	203.4	883
Viking/Blue River	24-01	101	None	None	204.2	16.0	209.9	195.4	870
Experiment Mean					**213.7**	**15.0**	**212.5**	**209.0**	
LSD(0.25)					**7.0**	**0.5**	**8.4**	**8.2**	

North full-season hybrids, ≈ RM > 103

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	NW Yield Bu/A	NE Yield Bu/A	AGV $
NuTech/G2 Genetics	68C1V	108	VE	LL,RR2	231.1	18.6	227.9	228.6	959
Cornelius Seed	C6936SS	109	SS	LL,RR2	229.5	18.6	223.0	229.1	952
NuTech/G2 Genetics	66C2V	106	VE	LL,RR2	227.6	18.1	221.0	227.2	949
NuTech/G2 Genetics	66D1AM	106	AM	LL,RR2	227.5	17.5	224.1	220.8	955
Epley Brothers Hybrids	E1609PCE	106	PC	LL,RR2	226.7	17.2	223.5	221.7	954
NuTech/G2 Genetics	68A9AM	108	AM	LL,RR2	226.6	18.9	224.3	221.2	937
Pioneer	P0529Q	105	Qrome	LL,RR2	223.0	17.6	217.8	219.7	935
Renk	RK766SSPRO	109	SSP-RIB	LL,RR2	222.8	18.5	211.7	223.3	925
Legacy Seeds	LC554-23	105	SS-RIB	LL,RR2	221.9	15.7	215.8	217.5	948
Prairie Hybrid Seeds	4470	106	None	None	221.5	16.4	221.3	213.4	940
Pioneer	P0924Q	109	Qrome	LL,RR2	221.4	19.1	217.0	215.9	914
Latham	LH 5815 VT2P	108	VT2P-RIB	RR2	221.0	19.1	214.8	218.9	913
Prairie Hybrid Seeds	3054/3051	105	None	None	220.9	17.0	219.6	212.9	931
Renk	RK625DGVT2P	104	DGVT2P-RIB	RR2	219.9	15.8	215.9	214.2	938
Viking/Blue River	72-06	106	None	None	219.8	16.6	221.0	212.1	930
Renk	RK773TRE	109	TRE-RIB	RR2	216.2	18.9	208.2	211.6	894
Viking/Blue River	84-04	104	None	None	215.6	16.2	210.6	211.7	916
Prairie Hybrid Seeds	5851	109	None	None	208.6	18.8	212.8	199.4	864
Latham	LH 5556 PCE	105	PC-RIB	LL,RR2	203.2	18.2	197.0	198.1	847
Experiment Mean					**218.8**	**17.6**	**215.9**	**213.7**	
LSD(0.25)					**7.3**	**0.8**	**9.2**	**8.9**	

Table 4. Central district 2-year means, 2023-2024.

Central early-season hybrids, ≈ RM ≤ 109

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	CW Yield Bu/A	CE Yield Bu/A	AGV $
Pioneer	P0924Q	109	Qrome	LL,RR2	241.0	16.1	228.8	249.5	1,025
NuTech/G2 Genetics	68C1V	108	VE	LL,RR2	236.8	15.3	225.9	245.1	1,015
NuTech/G2 Genetics	68A9AM	108	AM	LL,RR2	235.8	15.6	227.3	244.8	1,008
Renk	RK773TRE	109	TRE-RIB	RR2	233.1	15.7	230.4	235.4	996
Cornelius Seed	C6936SS	109	SS	LL,RR2	231.6	16.1	223.6	237.5	985
Renk	RK766SSPRO	109	SSP-RIB	LL,RR2	231.3	15.3	228.3	234.2	992
Latham	LH 5815 VT2P	108	VT2P-RIB	RR2	231.1	16.2	220.5	242.1	982
NuTech/G2 Genetics	66D1AM	106	AM	LL,RR2	231.1	14.6	221.1	236.7	997
Pioneer	P0529Q	105	Qrome	LL,RR2	230.0	14.9	219.3	234.2	990
NuTech/G2 Genetics	66C2V	106	VE	LL,RR2	229.4	15.2	222.7	230.5	985
Cornelius Seed	C6847TRE	108	TRE-RIB	RR2	228.3	15.6	226.5	228.3	976
Prairie Hybrid Seeds	5851	109	None	None	226.5	15.8	211.6	239.1	966
Latham	LH 5556 PCE	105	PC-RIB	LL,RR2	220.2	15.3	215.5	221.3	944
Experiment Mean					**228.1**	**15.2**	**221.0**	**232.9**	
LSD(0.25)					**10.2**	**0.5**	**10.0**	**15.0**	

Central full-season hybrids, ≈ RM > 109

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	CW Yield Bu/A	CE Yield Bu/A	AGV $
NuTech/G2 Genetics	70F6V	110	VE	LL,RR2	244.9	15.8	237.7	249.1	1,045
Cornelius Seed	C7366DGDP	113	DGVT2P	RR2	243.8	17.6	236.3	247.6	1,022
Renk	RK876VT2P	113	VT2P-RIB	RR2	240.7	17.8	230.6	246.2	1,007
NuTech/G2 Genetics	73A6AML	113	AML	LL,RR2	239.0	17.3	225.6	250.3	1,005
Pioneer	P1185Q	111	Qrome	LL,RR2	234.8	17.3	227.1	241.6	988
NuTech/G2 Genetics	71A2V	111	VE	LL,RR2	234.7	16.9	228.0	241.6	991
NuTech/G2 Genetics	73A4AM	113	AM	LL,RR2	233.3	17.7	222.0	243.0	977
Latham	LH 6306 PCE	113	PC-RIB	LL,RR2	233.3	17.6	222.0	242.1	979
Renk	RK895DGVT2P	112	DGVT2P	LL,RR2	230.8	17.6	225.9	237.1	967
Latham	LH 6445 VT2P	114	VT2P	RR2	230.1	18.6	221.6	238.7	954
Latham	LH 6009 SS	110	SS	RR2	227.1	17.0	225.9	229.5	957
Latham	LH 6155 VT2P-RIB	111	VT2P-RIB	RR2	226.1	17.2	221.4	231.0	951
Pioneer	P1093Q	110	Qrome	LL,RR2	221.7	17.1	224.6	222.8	934
Experiment Mean					**233.16**	**17.39**	**224.87**	**239.52**	
LSD(0.25)					**10.2**	**0.5**	**10.2**	**15.0**	

Table 5. South district 2-year means, 2023-2024.

South early-season hybrids, ≈ RM ≤ 112

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	SW Yield Bu/A	SE Yield Bu/A	AGV $
NuTech/G2 Genetics	70F6V	110	VE	LL,RR2	237.3	15.9	241.4	246.4	1,012
NuTech/G2 Genetics	71A2V	111	VE	LL,RR2	230.0	16.8	235.8	235.8	972
Cornelius Seed	C7235PC	112	PC	LL,RR2	229.7	16.5	234.4	239.1	974
Cornelius Seed	C7202SSP	112	SSP	LL,RR2	228.0	18.0	232.5	227.1	952
NuTech/G2 Genetics	70B4AM	110	AM	LL,RR2	227.7	16.1	231.7	238.4	969
Pioneer	P1185Q	111	Qrome	LL,RR2	218.5	17.1	224.4	221.8	920
Latham	LH 6155 VT2P-RIB	111	VT2P-RIB	RR2	214.9	16.7	215.5	220.8	909
Pioneer	P1093Q	110	Qrome	LL,RR2	211.2	17.0	216.7	215.4	891
Experiment Mean					**224.6**	**16.7**	**226.7**	**231.2**	
LSD(0.25)					**8.7**	**0.4**	**12.9**	**10.8**	

South full-season hybrids, ≈ RM > 112

Company	Hybrid	RM	Trait Pkg	Herb Tech	Yield Bu/A	Moist %	SW Yield Bu/A	SE Yield Bu/A	AGV $
Cornelius Seed	C7366DGDP	113	DGVT2P	RR2	232.1	17.3	235.3	237.4	976
Renk	RK876VT2P	113	VT2P-RIB	RR2	232.0	17.8	234.1	237.4	971
Latham	LH 6445 VT2P	114	VT2P	RR2	229.8	18.2	233.8	232.1	957
Renk	RK958VT2P	115	VT2P-RIB	RR2	229.5	18.3	233.2	232.2	955
Dyna-Gro	D53VC54RIB	113	VT2P-RIB	RR2	229.2	18.3	238.1	229.3	954
Cornelius Seed	C7590DP	115	VT2P	RR2	227.6	18.1	234.0	228.3	949
Dyna-Gro	D56TC44RIB	116	TRE-RIB	RR2	227.1	18.1	231.5	225.7	947
Pioneer	P1563Q	115	Qrome	LL,RR2	220.1	18.9	221.9	222.4	910
Pioneer	P1366Q	113	Qrome	LL,RR2	218.1	17.1	225.4	221.4	919
NuTech/G2 Genetics	75C1PCE	115	PCE	LL,RR2	216.7	18.7	226.6	218.3	899
Latham	LH 6306 PCE	113	PC-RIB	LL,RR2	215.8	17.8	221.8	220.8	903
NuTech/G2 Genetics	73A4AM	113	AM	LL,RR2	215.6	18.1	222.0	219.0	900
Experiment Mean					**224.7**	**18.2**	**230.0**	**226.3**	
LSD(0.25)					**8.1**	**0.4**	**11.0**	**12.0**	

Table 6. North district, 2024 district and single-location means. Early-season test, RM ≤ 104

Company	Hybrid	Trait Pkg	Herb Tech	District Means Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Single Location Yield Sheldon	Pocahontas	Corwith	Marble Rock	Oelwein
NuTech/G2 Genetics	63A7V	VE	LL,RR2	242.2	231.4	242.5	16.8	951	248.7		217.6	251.2	256.1
Cornelius Seed	C6377TRE	TRE-RIB	LL,RR2	235.0	222.9	233.6	16.4	927	245.6		203.4	244.6	255.0
Latham	LH 5226 PCE	PC-RIB	LL,RR2	232.7	221.3	230.3	16.2	920	251.1		197.1	233.5	252.7
Legacy Seeds	LC534-23	TRE-RIB	RR2	226.8	216.9	224.4	15.4	903	233.2		197.7	230.4	242.2
NuTech/G2 Genetics	59C1V	VE	LL,RR2	224.9	216.4	219.7	13.7	912	230.5		203.1	225.4	243.3
Legacy Seeds	LC531-24	VT4P	RR2	224.9	213.7	219.7	16.4	887	232.3		200.1	212.6	252.6
Dekalb	DKC102-28TRERIB	TRE-RIB	LL,RR2	224.3	215.4	220.9	16.0	889	231.4		201.3	208.7	258.8
Cornelius Seed	C6306VT4P	VT4P	RR2	224.2	218.2	224.5	15.8	889	222.3		212.2	215.2	250.9
Dekalb	DKC101-35VT2PRIB	VT2P-RIB	LL,RR2	222.9	219.9	222.0	14.7	894	236.9		199.7	204.4	245.3
Latham	LH 4866 TREC	TRE-RIB	RR2	221.0	214.6	220.3	14.3	890	229.8		192.7	221.1	244.7
Prairie Hybrid Seeds	2235/2231	None	None	220.8	212.1	223.5	16.1	874	222.0		202.2	210.9	252.9
NuTech/G2 Genetics	60A4AM	AM	LL,RR2	219.9	204.2	212.1	15.1	879	232.5		184.4	218.9	241.2
NuTech/G2 Genetics	57B5V	VE	LL,RR2	219.7	219.8	223.3	14.2	886	220.9		213.4	205.3	234.8
Renk	RK582SSTX	SS	LL,RR2	219.4	215.3	212.8	14.3	884	239.3		195.3	204.9	239.8
Latham	LH 4909 SS	SS	RR2	218.1	206.6	216.7	14.8	874	224.8		187.4	215.6	236.2
Renk	RK603VT2P	VT2P	RR2	218.0	203.9	225.4	14.8	873	207.5		192.4	218.5	256.2
Legacy Seeds	LC523-24	V5122A-RIB	GT,LL	217.0	219.0	213.7	16.6	854	229.1		203.6	210.8	226.0
NuTech/G2 Genetics	61A5PCE	PCE	LL,RR2	216.7	214.3	211.7	15.9	859	229.8		196.8	208.9	233.5
Renk	RK628VT2P	VT2P-RIB	RR2	216.1	215.6	211.3	15.8	858	232.1		198.3	207.0	228.8
Viking/Blue River	73-97	None	None	215.8	213.8	217.4	13.7	874	229.4		184.2	207.6	240.5
Viking/Blue River	46-02	None	None	214.6	201.7	211.6	15.8	852	223.2		188.9	208.8	238.2
Renk	RK586VT4P	VT4P	RR2	214.3	196.0	212.8	14.2	863	212.3		177.7	215.6	241.5
Cornelius Seed	C6056DP	VT2P	RR2	211.2	199.2	221.0	14.4	850	188.3		201.5	202.3	244.4
Pioneer	P0075Q	Qrome	LL,RR2	210.8	203.4	211.1	16.1	834	211.5		195.2	204.5	233.0
Viking/Blue River	24-01	None	None	210.3	212.4	201.5	16.4	830	236.0		186.4	189.6	229.6
Pioneer	P0220Q	Qrome	LL,RR2	210.0	209.4	207.2	15.7	834	220.4		193.3	205.0	222.1
Epley Brothers Hyb.	E9610	None	None	209.9	194.9	207.6	13.8	849	214.7		177.5	205.4	242.8
Renk	RK597SSPRO	SSP-RIB	LL,RR2	207.3	200.7	206.5	14.4	834	213.7		184.5	188.5	236.0
Legacy Seeds	LC494-23	PC-RIB	LL,RR2	205.6	195.2	197.8	15.6	818	223.8		171.2	190.8	235.5
Experiment Mean				**219.1**	**211.0**	**216.6**	**15.3**	**874**	**226.7**		**195.1**	**212.6**	**241.9**
Minimum Mean				**205.6**	**195.6**	**199.2**	**13.7**	**818**	**188.3**		**171.2**	**188.5**	**222.1**
Maximum Mean				**242.2**	**233.4**	**240.4**	**16.8**	**951**	**251.1**		**217.6**	**251.2**	**258.8**
LSD(0.25)				**7.7**	**12.0**	**8.5**	**0.7**		**7.1**		**10.6**	**13.2**	**7.4**
Coefficient of Variability				**4.7**	**4.5**	**5.0**			**3.5**		**5.7**	**6.6**	**3.4**

This test was discarded.

Table 7. North district, 2024 district and single-location means. Full-season test, RM > 104.

Company	Hybrid	Trait Pkg	Herb Tech	District Means Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Single Location Yield Sheldon	Pocahontas	Corwith	Marble Rock	Oelwein
NuTech/G2 Genetics	66C2V	VE	LL,RR2	237.7	234.4	231.8	18.3	919	246.5		222.3	236.7	240.4
NuTech/G2 Genetics	68C1V	VE	LL,RR2	235.6	238.1	234.7	19.4	899	248.1		223.1	222.9	252.9
NuTech/G2 Genetics	69B5V	VE	LL,RR2	233.1	231.0	219.7	20.4	879	264.2		207.7	225.1	236.8
NuTech/G2 Genetics	69C7PCE	PCE	LL,RR2	232.2	235.5	224.6	20.3	877	265.1		203.5	219.4	236.7
NuTech/G2 Genetics	66D1AM	AM	LL,RR2	231.6	230.1	230.5	17.8	900	247.6		211.2	224.2	242.9
Cornelius Seed	C6936SS	SS	LL,RR2	229.3	225.5	230.2	19.7	871	225.8		221.3	218.3	254.1
Renk	RK705VT4P	VT4P	RR2	228.8	235.3	224.9	16.9	898	247.2		222.0	212.1	243.2
Renk	RK766SSPRO	SSP-RIB	LL,RR2	228.4	218.2	226.6	19.4	872	226.8		207.4	223.5	252.1
Epley Brothers Hyb.	E1609PCE	PC	LL,RR2	227.6	221.9	220.2	17.2	890	239.9		206.2	206.6	255.8
NuTech/G2 Genetics	68A9AM	AM	LL,RR2	226.0	226.2	225.0	20.3	853	238.0		210.5	212.3	248.3
Dekalb	DKC108-17TRERIB	TRE-RIB	LL,RR2	225.6	227.2	216.9	20.3	852	247.6		205.4	203.2	245.3
Cornelius Seed	C6713DP	VT2P	RR2	225.4	231.5	223.0	18.8	866	240.1		217.3	200.2	250.4
Viking/Blue River	75-07	None	None	225.2	219.7	220.1	17.3	880	240.7		204.0	215.0	246.5
Prairie Hybrid Seeds	4991Org	None	None	224.3	220.3	218.4	17.8	871	237.4		201.7	210.5	247.6
Prairie Hybrid Seeds	3054/3051	None	None	223.5	220.7	213.0	17.6	870	242.7		202.5	198.7	245.7
Pioneer	P0924Q	Qrome	LL,RR2	223.3	220.1	220.4	20.5	841	245.6		190.0	223.6	234.3
Viking/Blue River	72-06	None	None	222.7	224.7	217.9	16.7	876	238.3		206.8	193.1	257.6
Prairie Hybrid Seeds	4470	None	None	222.6	217.8	214.0	16.4	877	244.3		189.5	205.4	253.6
Legacy Seeds	LC572-22	SS	LL,RR2	222.4	212.1	226.9	17.6	866	216.2		211.5	201.0	263.8
Cornelius Seed	C6467PCE	PC	GT,LL	222.4	209.3	215.6	17.3	869	235.8		186.7	217.3	244.7
Latham	LH 5906 PCE	PC-RIB	LL,RR2	222.3	216.9	217.9	19.7	845	232.5		193.4	219.0	245.5
Legacy Seeds	LC554-23	SS-RIB	LL,RR2	222.0	211.1	219.3	15.9	880	230.0		191.1	219.7	244.0
NuTech/G2 Genetics	65B8V	VE	LL,RR2	221.9	225.1	210.9	16.4	875	247.1		208.2	221.5	215.8
Renk	RK625DGVT2P	DGVT2P-RIB	RR2	221.5	220.7	210.2	16.3	874	250.8		190.0	206.0	242.8
Pioneer	P0529Q	Qrome	LL,RR2	221.1	214.8	216.4	17.5	862	232.6		191.5	221.9	240.7
Dekalb	DKC104-08VT4PRIB	VT4P-RIB	LL,RR2	220.9	214.9	222.2	16.8	867	223.8		208.2	217.4	230.1
Renk	RK785PCE	PC	LL,RR2	219.8	211.9	211.0	20.4	829	236.5		189.6	218.3	233.7
Renk	RK773TRE	TRE-RIB	RR2	218.5	204.6	211.7	19.7	831	227.2		184.1	207.6	248.5
Prairie Hybrid Seeds	5851	None	None	217.3	225.5	218.3	19.8	825	243.4		205.1	201.2	223.1
Legacy Seeds	LC594-24	SS	LL,RR2	215.0	209.2	215.8	19.5	820	210.8		209.1	206.1	232.0
Latham	LH 5815 VT2P-RIB	VT2P-RIB	RR2	214.9	206.4	213.9	20.3	812	221.1		185.1	193.8	255.9
Latham	LH 5336 PCE	PC-RIB	LL,RR2	213.1	208.6	211.7	16.1	843	225.1		190.7	216.4	227.6
Viking/Blue River	84-04	None	None	211.3	214.1	207.8	16.0	837	229.5		191.7	201.4	226.4
Latham	LH 5377 VT2P-RIB	VT2P-RIB	RR2	207.8	201.7	208.8	15.3	829	218.1		186.6	194.9	231.3
Latham	LH 5556 PCE	PC-RIB	LL,RR2	207.3	192.7	202.9	19.5	790	217.8		170.7	212.4	228.0
Experiment Mean				**222.9**	**218.9**	**218.5**	**18.3**	**861**	**236.7**		**201.3**	**212.2**	**242.2**
Minimum Mean				**207.3**	**193.7**	**203.9**	**15.3**	**790**	**210.8**		**170.7**	**193.1**	**215.8**
Maximum Mean				**237.7**	**236.2**	**233.2**	**20.5**	**919**	**265.1**		**223.1**	**236.7**	**263.8**
LSD(0.25)				**8.8**	**12.1**	**10.4**	**1.2**		**9.2**		**11.5**	**12.7**	**11.6**
Coefficient of Variability				**5.4**	**5.2**	**5.8**			**4.7**		**6.1**	**6.2**	**5.1**

This test was discarded.

Table 8. Central district, 2024 district and single-location means. Early-season test, RM ≤ 109.

Company	Hybrid	Trait Pkg	Herb Tech	District Means Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Single Location Yield Missouri Valley	Glidden	Ames	Keystone	Clarence
NuTech/G2 Genetics	69C7PCE	PCE	LL,RR2	259.6	242.0	270.7	15.2	1,036	285.3	218.1	210.0	287.7	294.6
NuTech/G2 Genetics	69B5V	VE	LL,RR2	256.0	231.1	256.5	15.1	1,023	286.9	223.2	173.7	304.7	285.7
NuTech/G2 Genetics	68C1V	VE	LL,RR2	248.8	236.8	252.6	14.9	996	280.5	212.5	202.9	269.7	272.2
Prairie Hybrid Seeds	6755	None	None	247.5	224.0	249.8	14.8	992	271.5	223.9	176.4	284.3	285.3
Pioneer	P0924Q	Qrome	LL,RR2	246.7	228.1	250.6	15.9	978	282.8	218.4	176.1	279.5	281.6
NuTech/G2 Genetics	68A9AM	AM	LL,RR2	244.7	229.6	256.2	14.8	981	268.3	208.0	196.4	279.7	270.9
Cornelius Seed	C6713DP	VT2P	RR2	243.8	245.3	238.7	14.5	980	275.4	237.1	194.8	228.0	272.2
Epley Brothers Hyb.	E1540	None	None	243.2	210.3	256.9	13.5	987	224.7	219.3	199.4	299.2	272.3
Prairie Hybrid Seeds	4991Org	None	None	240.8	227.1	236.8	13.7	976	273.4	228.6	185.6	252.0	270.9
Latham	LH 5906 PCE	PC-RIB	LL,RR2	239.6	222.4	236.4	14.7	961	262.9	213.9	201.9	247.6	275.2
NuTech/G2 Genetics	65B8V	VE	LL,RR2	239.5	232.1	239.3	13.8	970	274.2	212.5	192.7	240.3	268.4
Dekalb	DKC104-08VT4PRIB	VT4P-RIB	LL,RR2	239.4	241.1	230.6	13.3	973	271.5	230.5	213.9	221.9	255.9
Renk	RK705VT4P	VT4P	RR2	239.1	237.3	235.5	13.7	969	263.5	239.4	198.9	227.8	268.5
Renk	RK785PCE	PC	LL,RR2	239.1	216.2	232.4	14.2	964	279.9	216.2	171.4	244.6	294.2
Latham	LH 5226 PCE	PC-RIB	LL,RR2	238.3	226.1	231.6	13.2	970	268.1	215.7	190.4	230.8	283.3
NuTech/G2 Genetics	66D1AM	AM	LL,RR2	238.1	218.2	236.0	13.6	966	273.7	209.7	167.7	254.2	281.2
NuTech/G2 Genetics	66C2V	VE	LL,RR2	238.0	226.9	236.7	14.1	961	263.3	228.0	186.4	245.6	272.0
Viking/Blue River	75-07	None	None	237.5	218.7	239.2	13.8	961	251.0	219.7	188.0	257.4	267.3
Cornelius Seed	C6645PC	PC	LL,RR2	235.8	218.9	238.9	13.9	953	266.5	210.5	169.7	246.5	284.4
Dyna-Gro	D49PN05RA	PC-RIB	LL,RR2	235.7	221.5	240.9	14.8	945	256.5	212.7	179.2	251.0	273.6
Dekalb	DKC108-17TRERIB	TRE-RIB	LL,RR2	235.6	222.3	228.9	14.9	943	269.9	225.4	172.1	229.1	285.0
Prairie Hybrid Seeds	4885	None	None	235.1	219.1	233.5	14.0	950	270.6	204.9	178.0	246.4	273.9
Latham	LH 5815 VT2P-RIB	VT2P-RIB	RR2	234.5	214.1	233.2	15.5	934	247.9	212.4	181.3	254.4	271.2
Prairie Hybrid Seeds	5851	None	None	233.0	211.2	250.6	15.0	933	232.9	208.6	181.5	258.5	282.2
Cornelius Seed	C6936SS	SS	LL,RR2	232.3	211.8	226.6	15.4	925	254.2	222.2	175.5	239.1	272.4
Dyna-Gro	D44PN25RA	PC-RIB	LL,RR2	231.7	228.6	227.7	12.9	945	254.6	221.3	200.2	214.2	266.3
Pioneer	P0529Q	Qrome	LL,RR2	231.1	207.8	224.7	13.7	936	266.3	204.4	157.0	252.2	278.3
Renk	RK773TRE	TRE-RIB	RR2	231.0	223.5	223.4	14.9	924	267.3	224.5	176.0	212.0	273.6
Renk	RK766SSPRO	SSP-RIB	LL,RR2	230.6	225.5	222.1	14.4	928	263.6	229.0	184.6	216.3	262.4
Cornelius Seed	C6847TRE	TRE-RIB	RR2	227.8	224.9	216.6	14.6	915	273.6	223.4	183.0	193.8	272.5
Latham	LH 5336 PCE	PC-RIB	LL,RR2	226.1	217.7	222.6	13.1	921	238.9	214.3	202.7	208.8	263.6
Latham	LH 5556 PCE	PC-RIB	LL,RR2	223.6	208.4	221.7	14.6	898	262.4	190.8	174.6	227.2	264.3
Latham	LH 5377 VT2P-RIB	VT2P-RIB	RR2	216.5	219.4	196.6	12.5	887	260.5	223.1	182.0	160.2	256.7
Experiment Mean				**237.6**	**223.0**	**234.8**	**14.3**	**957**	**264.9**	**218.2**	**185.6**	**244.4**	**274.3**
Minimum Mean				**216.5**	**207.5**	**199.8**	**12.5**	**887**	**224.7**	**190.8**	**157.0**	**160.2**	**255.9**
Maximum Mean				**259.6**	**239.4**	**264.7**	**15.9**	**1,036**	**286.9**	**239.4**	**213.9**	**304.7**	**294.6**
LSD(0.25)				**12.4**	**11.2**	**18.3**	**0.5**		**9.3**	**8.1**	**14.8**	**16.9**	**6.3**
Coefficient of Variability				**5.5**	**5.2**	**6.1**			**3.9**	**4.2**	**7.7**	**7.8**	**2.6**

Table 9. Central district, 2024 district and single-location means. Full-season test, RM > 109.

Company	Hybrid	Trait Pkg	Herb Tech	District Means Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Single Location Yield Missouri Valley	Glidden	Ames	Keystone	Clarence
Renk	RK825VT4P	VT4P	RR2	249.6	240.6	247.7	17.3	975	272.1	232.7	214.5	236.7	289.1
Cornelius Seed	C7026PCE	PC	GT,LL	248.0	232.0	253.4	16.2	980	285.3	211.8	211.0	246.7	290.2
Cornelius Seed	6D72 VT2P	VT2P	RR2	247.7	227.2	247.1	18.2	958	270.2	217.0	190.5	280.8	280.4
NuTech/G2 Genetics	71A7V	VE	LL,RR2	246.5	229.9	250.8	16.4	972	285.7	209.0	188.7	260.8	288.0
NuTech/G2 Genetics	73A6AML	AML	LL,RR2	246.4	223.1	250.6	17.4	962	302.6	178.3	188.8	270.3	292.5
Pioneer	P1185Q	Qrome	LL,RR2	245.0	226.7	251.4	17.2	958	278.2	195.8	205.4	266.4	278.5
Renk	RK876VT2P	VT2P-RIB	RR2	244.4	232.6	240.3	17.5	953	280.4	219.2	197.5	235.8	289.1
Cornelius Seed	C7366DGDP	DGVT2P	RR2	244.4	237.3	242.7	17.4	954	287.7	220.7	193.7	240.1	281.7
NuTech/G2 Genetics	71A2V	VE	LL,RR2	242.9	231.6	250.5	16.8	954	287.4	193.7	195.6	266.0	275.4
NuTech/G2 Genetics	73A4AM	AM	LL,RR2	242.3	209.0	244.9	17.2	948	304.6	168.7	179.1	274.2	284.9
Dyna-Gro	D50SP65RIB	SSP-RIB	LL,RR2	241.1	228.6	236.6	16.3	951	272.6	219.8	190.3	236.4	284.4
Renk	RK832SSPRO	SSP-RIB	LL,RR2	240.7	225.8	237.3	17.8	935	276.2	210.0	187.7	262.3	266.3
Cornelius Seed	C7216VT4P	VT4P	RR2	239.7	238.7	226.4	17.4	936	282.4	234.3	208.2	191.7	279.8
Dyna-Gro	D53SP85RIB	SSP-RIB	LL,RR2	239.4	228.1	239.3	17.5	933	271.5	210.0	208.8	234.5	275.6
Cornelius Seed	C7590DP	VT2P	RR2	239.1	220.1	240.0	18.1	926	266.0	208.1	189.0	258.8	278.2
Renk	RK800VT4P	VT4P	RR2	237.8	234.0	227.7	16.8	934	274.4	230.4	191.9	227.8	259.0
Dekalb	DKC114-42SSPRIB	SSP-RIB	LL,RR2	234.5	225.4	224.9	19.2	897	278.7	216.5	179.8	210.7	284.3
Dekalb	DKC112-29SSPRIB	SSP-RIB	LL,RR2	234.2	225.9	229.9	17.0	918	275.8	207.8	195.2	252.9	240.5
Renk	RK895DGVT2P	DGVT2P	LL,RR2	233.4	228.2	236.1	17.4	911	265.5	205.4	197.6	224.3	273.1
Dekalb	DKC112-12TRERIB	TRE-RIB	LL,RR2	231.7	221.8	223.3	17.9	899	279.2	213.5	190.4	199.4	278.0
Latham	LH 6445 VT2P	VT2P	RR2	229.5	223.9	225.3	18.8	882	268.4	205.9	191.1	212.9	268.0
Latham	LH 6155 VT2P-RIB	VT2P-RIB	RR2	228.1	225.3	217.8	17.3	891	263.1	222.3	188.6	204.6	260.3
Latham	LH 6009 SS	SS	RR2	225.1	227.4	213.8	16.9	883	267.9	215.7	197.9	179.5	264.5
Pioneer	P1093Q	Qrome	LL,RR2	224.9	213.3	224.4	17.1	880	275.6	177.1	202.6	200.6	268.5
Latham	LH 6338 SSP	SSP	RR2	222.6	222.2	211.9	17.8	865	278.2	211.2	162.7	193.1	262.0
Experiment Mean				**241.5**	**228.0**	**239.5**	**17.2**	**944**	**280.1**	**209.0**	**194.9**	**244.3**	**279.1**
Minimum Mean				**222.6**	**216.7**	**207.3**	**14.9**	**865**	**263.1**	**168.7**	**162.7**	**179.5**	**240.5**
Maximum Mean				**255.0**	**242.3**	**259.5**	**19.2**	**1,016**	**304.6**	**234.3**	**225.5**	**294.6**	**298.4**
LSD(0.25)				**12.8**	**12.4**	**18.0**	**0.6**		**7.8**	**11.0**	**13.1**	**21.9**	**7.0**
Coefficient of Variability				**6.2**	**5.3**	**7.3**			**3.2**	**5.5**	**7.8**	**10.2**	**2.8**

Table 10. South district, 2024 district and single-location means. Early-season test, RM ≤ 112.

Company	Hybrid	Trait Pkg	Herb Tech	District Means					Single Location Yield				
				Yield Bu/A	SW Yield	SE Yield	Moist %	AGV $	Atlantic	Corning	Milo	Batavia	Crawford-sville
NuTech/G2 Genetics	70F6V	VE	LL,RR2	230.2	234.4	226.1	14.3	927	268.3	196.1	236.1	262.8	187.9
Viking/Blue River	76-11	None	None	229.2	225.6	236.4	14.6	920	237.0	195.5	246.1	267.5	203.3
NuTech/G2 Genetics	69C7PCE	PCE	LL,RR2	227.8	224.0	231.4	16.0	903	256.8	186.2	235.5	271.0	192.7
Renk	RK825VT4P	VT4P	RR2	226.3	231.1	227.0	16.2	894	240.7	209.1	245.0	248.6	193.6
NuTech/G2 Genetics	69B5V	VE	LL,RR2	225.7	225.7	218.4	15.0	903	261.0	209.5	207.3	251.0	196.5
NuTech/G2 Genetics	71A2V	VE	LL,RR2	225.2	222.5	216.4	15.6	895	270.3	207.4	195.9	250.3	195.7
NuTech/G2 Genetics	71A7V	VE	LL,RR2	222.9	223.1	229.1	15.7	885	249.5	180.1	240.4	258.4	185.2
Latham	LH 6009 SS	SS	RR2	222.7	233.5	213.0	15.1	890	252.3	215.8	229.4	238.2	180.3
NuTech/G2 Genetics	72C1PCE	PCE	LL,RR2	221.4	222.9	225.1	15.8	878	241.5	194.7	230.7	252.1	187.8
Renk	RK832SSPRO	SSP-RIB	LL,RR2	221.1	224.4	216.4	15.8	877	250.7	198.4	216.7	256.1	185.1
Cornelius Seed	C7235PC	PC	LL,RR2	221.0	226.5	219.4	15.0	884	232.3	212.9	236.2	243.0	182.0
Cornelius Seed	C7216VT4P	VT4P	RR2	220.5	220.7	226.9	15.9	874	218.0	204.6	245.1	249.4	188.1
Cornelius Seed	C7026PCE	PC	GT,LL	220.4	219.8	226.8	15.5	877	236.5	189.9	235.3	252.9	187.7
Renk	RK800VT4P	VT4P	RR2	219.5	213.0	209.9	14.8	880	239.7	208.6	194.4	257.5	191.6
NuTech/G2 Genetics	70B4AM	AM	LL,RR2	219.3	217.9	228.7	14.8	879	226.1	190.4	233.2	251.7	195.6
Pioneer	P1185Q	Qrome	LL,RR2	218.9	222.0	215.3	16.3	865	252.1	203.9	204.9	237.6	191.0
Latham	LH 5906 PCE	PC-RIB	LL,RR2	218.7	207.2	232.2	14.3	881	198.9	195.3	229.6	273.4	188.1
Cornelius Seed	C7202SSP	SSP	LL,RR2	218.0	224.9	214.6	16.5	859	249.0	194.6	233.9	248.9	160.3
NuTech/G2 Genetics	73A6AML	AML	LL,RR2	217.8	218.8	214.0	16.6	858	242.1	207.4	209.7	250.3	179.1
Dyna-Gro	D51VC95RIB	VT2P-RIB	LL,RR2	210.0	208.2	215.7	14.6	843	195.2	204.2	219.3	243.4	186.1
Renk	RK895DGVT2P	DGVT2P	LL,RR2	209.3	200.9	212.0	16.1	828	220.0	182.1	208.9	247.1	188.3
Pioneer	P1093Q	Qrome	LL,RR2	209.3	212.1	203.2	16.1	828	245.3	197.9	194.7	231.9	176.7
Dekalb	DKC112-AZ29SSPRIB	SSP-RIB	LL,RR2	208.4	208.2	217.0	15.8	827	214.6	185.2	225.9	260.1	160.5
Latham	LH 6155 VT2-RIB	VT2P-RIB	RR2	200.1	197.3	206.0	15.3	798	195.0	186.5	215.7	231.9	171.3
Latham	LH 5815 VT2P	VT2P-RIB	RR2	199.9	194.5	206.1	14.6	803	221.1	162.0	207.5	243.7	168.5
Dyna-Gro	D49PN05RA	PC-RIB	LL,RR2	199.16	193.29	214.98	14.71	798.9	195.64	154.21	221.47	243.68	187.47
Epley Brothers Hyb.	E1920	None	None	197.7	197.5	195.4	16.1	783	207.6	190.2	190.6	238.7	162.9
NK Seeds	NK1056-V	VIP	GT,LL	194.0	188.2	196.4	15.4	773	208.6	174.4	181.0	232.3	175.8
Experiment Mean				**216.2**	**215.8**	**218.0**	**15.4**	**861**	**233.1**	**194.2**	**220.4**	**249.8**	**183.9**
Minimum Mean				**194.0**	**188.8**	**195.8**	**14.3**	**773**	**195.0**	**154.2**	**181.0**	**231.9**	**160.3**
Maximum Mean				**230.2**	**233.1**	**237.3**	**16.6**	**927**	**270.3**	**215.8**	**246.1**	**273.4**	**203.3**
LSD(0.25)				**10.2**	**15.7**	**10.8**	**0.5**		**13.9**	**11.7**	**9.1**	**11.2**	**10.3**
Coefficient of Variability				**5.7**	**6.0**	**5.0**			**6.7**	**6.4**	**4.6**	**4.9**	**5.4**

Table 11. South district, 2024 district and single-location means. Full-season test, RM > 112.

Company	Hybrid	Trait Pkg	Herb Tech	District Means					Single Location Yield				
				Yield Bu/A	SW Yield	SE Yield	Moist %	AGV $	Atlantic	Corning	Milo	Batavia	Crawford-sville
Dekalb	DKC114-42SSPRIB	SSP-RIB	LL,RR2	230.2	241.1	217.7	17.5	897	253.0	238.2	229.1	256.6	167.6
Prairie Hybrid Seeds	7445	None	None	227.3	228.6	215.8	16.3	897	248.2	231.7	201.9	289.6	173.1
Cornelius Seed	6D72 VT2P	VT2P	RR2	226.8	227.6	225.1	16.8	891	244.8	217.0	227.9	263.6	185.4
Viking/Blue River	78-13	None	None	225.5	225.8	218.6	17.4	880	242.8	226.6	205.0	267.0	174.5
Cornelius Seed	C7366DGDP	DGVT2P	RR2	225.4	219.4	226.1	15.8	895	218.4	225.9	216.5	270.0	189.9
Renk	RK876VT2P	VT2P-RIB	RR2	224.3	225.9	224.9	15.9	889	242.6	216.7	214.8	264.4	189.1
Dekalb	DKC112-12TRERIB	TRE-RIB	LL,RR2	223.6	229.8	226.5	16.5	881	231.3	221.1	240.3	262.2	168.6
Renk	RK921VT2P	VT2P	RR2	221.5	225.7	218.2	16.6	872	236.5	222.2	220.0	257.9	170.1
Dyna-Gro	D56TC44RIB	TRE-RIB	RR2	220.7	219.7	208.9	16.3	871	250.1	214.2	199.5	265.9	177.9
Latham	LH 6445 VT2P	VT2P	RR2	220.6	220.6	218.8	17.0	864	233.0	214.3	212.1	252.3	189.7
NuTech/G2 Genetics	74A5PCE	PCE	LL,RR2	219.9	220.7	210.2	16.4	867	235.9	207.0	217.7	265.6	177.0
Renk	RK958VT2P	VT2P-RIB	RR2	219.8	217.5	211.9	16.8	863	238.3	205.0	213.8	253.5	177.8
NuTech/G2 Genetics	73A4AM	AM	LL,RR2	219.7	217.0	202.4	16.6	864	243.8	232.8	179.3	274.0	170.5
Pioneer	P1366Q	Qrome	LL,RR2	219.5	221.5	209.4	15.9	870	246.1	223.2	195.8	253.2	173.0
Dyna-Gro	D53VC54RIB	VT2P-RIB	RR2	219.2	223.6	216.7	16.5	863	231.1	221.7	217.6	259.9	169.2
NuTech/G2 Genetics	75C1PCE	PCE	LL,RR2	218.8	224.4	204.6	17.6	851	241.2	228.0	205.0	243.2	173.0
Pioneer	P1563Q	Qrome	LL,RR2	217.9	217.9	216.0	17.4	850	242.6	215.0	193.4	252.5	191.1
Cornelius Seed	C7590DP	VT2P	RR2	217.9	221.5	217.5	16.6	858	230.5	210.9	222.7	252.2	179.0
Latham	LH 6306 PCE	PC-RIB	LL,RR2	215.4	214.7	213.7	16.1	852	236.0	207.5	196.6	270.9	163.2
Latham	LH 6338 SSP	SSP	RR2	215.0	224.4	207.6	17.0	843	236.6	225.7	213.9	252.4	154.4
NK Seeds	NK1386-VZ	VZ	GT,LL	213.7	215.9	201.3	16.7	840	240.9	219.7	191.7	239.3	182.5
NK Seeds	NK1228-AA	AA	GT,LL	213.4	213.5	211.1	16.5	841	234.9	201.9	202.2	257.9	166.3
NK Seeds	NK1307-DV	DURV	GT,LL	209.5	206.6	198.4	16.8	823	237.1	209.9	174.5	247.6	189.2
Cornelius Seed	C7308TRE	TRE-RIB	RR2	208.1	203.4	207.5	15.6	827	223.8	209.1	180.3	251.2	168.5
Prairie Hybrid Seeds	9703	None	None	198.9	204.7	197.8	18.0	771	205.5	204.4	200.4	242.4	147.3
Experiment Mean				**218.9**	**220.6**	**213.3**	**16.7**	**861**	**237.0**	**218.0**	**206.9**	**258.6**	**174.7**
Minimum Mean				**198.9**	**203.8**	**196.6**	**15.6**	**771**	**205.5**	**201.9**	**174.5**	**239.3**	**147.3**
Maximum Mean				**230.2**	**239.8**	**226.4**	**18.0**	**897**	**253.0**	**238.2**	**240.3**	**289.6**	**191.1**
LSD(0.25)				**8.1**	**10.9**	**12.1**	**0.3**		**16.1**	**8.4**	**11.1**	**9.4**	**11.2**
Coefficient of Variability				**5.9**	**6.4**	**5.2**			**7.9**	**4.3**	**5.8**	**3.9**	**6.3**

Table 12. Entrant Information.

Cornelius Seed: Cornelius Seed, Bellevue, IA — www.corneliusseed.com — (800) 218-1862

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
C6056DP	100	VT2P	RR2	C250	X					
C6306VT4P	103	VT4P	RR2	C250	X					
C6377TRE	103	TRE-RIB	LL,RR2	ACL500	X					
C6467PCE	104	PC	GT,LL	P500		X				
C6645PC	106	PC	LL,RR2	C250			X			
C6713DP	107	VT2P	RR2	ACL500		X	X			
C6847TRE	108	TRE-RIB	RR2	C250			X			
C6936SS	109	SS	LL,RR2	C250		X	X			
C7026PCE	110	PC	GT,LL	P500				X	X	
C7202SSP	112	SSP	LL,RR2	C250					X	
C7216VT4P	112	VT4P	RR2	ACL500				X	X	
C7235PC	112	PC	LL,RR2	C250					X	
C7308TRE	113	TRE-RIB	RR2	ACL500						X
C7366DGDP	113	DGVT2P	RR2	C250				X		X
6D72 VT2P	114	VT2P	RR2	ACL500				X		X
C7590DP	115	VT2P	RR2	C250				X		X

DEKALB: Bayer Crop Science, St. Louis, MO — www.dekalbasgrowdeltapine.com — (800) 768-6387

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
DKC101-35VT2PRIB	101	VT2P-RIB	LL,RR2	ACLE	X					
DKC102-28TRERIB	102	TRE-RIB	LL,RR2	ACLE	X					
DKC104-08VT4PRIB	104	VT4P-RIB	LL,RR2	ACLE		X	X			
DKC108-17TRERIB	108	TRE-RIB	LL,RR2	ACLE		X	X			
DKC112-12TRERIB	112	TRE-RIB	LL,RR2	ACLE				X		X
DKC112-29SSPRIB	112	SSP-RIB	LL,RR2	ACLE				X	X	
DKC114-42SSPRIB	114	SSP-RIB	LL,RR2	ACLE				X		X

Dyna-Gro: Nutrien Ag Solutions, Loveland, CO — www.dynagroseed.com — (970) 685-3300

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
D44PN25RA	104	PC-RIB	LL,RR2	LMSP			X			
D49PN05RA	109	PC-RIB	LL,RR2	LMSP			X		X	
D50SP65RIB	110	SSP-RIB	LL,RR2	A500PV				X		
D51VC95RIB	111	VT2P-RIB	LL,RR2	A500PV					X	
D53SP85RIB	113	SSP-RIB	LL,RR2	A500PV				X		
D53VC54RIB	113	VT2P-RIB	RR2	A500PV						X
D56TC44RIB	116	TRE-RIB	RR2	A500PV						X

Table 12. Entrant Information. *Continued*

Epley: Epley Bros. Hybrids, Inc., Shell Rock, IA — www.epleybros.com — (319) 885-6293

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
E1540	105	None	None	None			X			
E1609PCE	106	PC	LL,RR2	None		X				
E1920	109	None	None	None					X	
E9610	96	None	None	None	X					

Latham: Latham Hi-Tech Seeds, Alexander, IA — www.lathamseeds.com — (641) 692-3258

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
LH 4866 TREC	98	TRE-RIB	RR2	ACL250	X					
LH 4909 SS	99	SS	RR2	ACL500	X					
LH 5226 PCE	102	PC-RIB	LL,RR2	C250	X		X			
LH 5336 PCE	103	PC-RIB	LL,RR2	C250		X	X			
LH 5377 VT2P	103	VT2P-RIB	RR2	ACL250		X	X			
LH 5556 PCE	105	PC-RIB	LL,RR2	C250		X	X			
LH 5815 VT2P	108	VT2P-RIB	RR2	ACL250		X	X		X	
LH 5906 PCE	109	PC-RIB	LL,RR2	C250		X	X		X	
LH 6009 SS	110	SS	RR2	ACL250				X	X	
LH 6155 VT2P-RIB	111	VT2P-RIB	RR2	ACL250				X	X	
LH 6306 PCE	113	PC-RIB	LL,RR2	C250				X		X
LH 6338 SSP	113	SSP	RR2	ACL250				X		X
LH 6445 VT2P	114	VT2P	RR2	ACL250				X		X

Legacy Seeds: Legacy Seeds, Scandinavia, WI — www.legacyseeds.com — (866) 791-6390

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
LC494-23	100	PC-RIB	LL,RR2	C250	X					
LC523-24	102	V5122A-RIB	GT,LL	C250	X					
LC531-24	103	VT4P	RR2	A500PV	X					
LC534-23	103	TRE-RIB	RR2	A500PV	X					
LC554-23	105	SS-RIB	LL,RR2	A500PV		X				
LC572-22	107	SS	LL,RR2	A500PV		X				
LC594-24	109	SS	LL,RR2	A500PV		X				

NK Seeds: Syngenta, Greensboro, NC — www.syngenta-us.com/seeds/nk — (573) 864-9669

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
NK1056-V	110	VIP	GT,LL	C500V					X	
NK1228-AA	112	AA	GT,LL	C500V						X
NK1307-DV	113	DURV	GT,LL	C1250V						X
NK1386-VZ	113	VZ	GT,LL	C500V						X

NuTechG2 Genetics: NuTech Seed, LLC, Ames, IA — www.nutechseed.com — (515) 232-1997

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
57B5V	97	VE	LL,RR2	LMGN	X					
59C1V	99	VE	LL,RR2	LMGN	X					
60A4AM	100	AM	LL,RR2	LMGN	X					
61A5PCE	101	PCE	LL,RR2	LMGN	X					
63A7V	103	VE	LL,RR2	LMGN	X					
65B8V	105	VE	LL,RR2	LMGN		X	X			
66C2V	106	VE	LL,RR2	LMGN		X	X			
66D1AM	106	AM	LL,RR2	LMGN		X	X			
68A9AM	108	AM	LL,RR2	LMGN		X	X			
68C1V	108	VE	LL,RR2	LMGN		X	X			
69B5V	109	VE	LL,RR2	LMGN		X	X		X	
69C7PCE	109	PCE	LL,RR2	LMGN		X	X		X	
70B4AM	110	AM	LL,RR2	LMGN				X	X	
70F6V	110	VE	LL,RR2	LMGN				X	X	
71A2V	111	VE	LL,RR2	LMGN				X	X	
71A7V	111	VE	LL,RR2	LMGN				X	X	
72C1PCE	112	PCE	LL,RR2	LMGN				X	X	
73A4AM	113	AM	LL,RR2	LMGN				X		X
73A6AML	113	AML	LL,RR2	LMGN				X	X	
74A5PCE	114	PCE	LL,RR2	LMGN				X		X
75C1PCE	115	PCE	LL,RR2	LMGN						X

Pioneer: Corteva, Johnston, IA — www.pioneer.com/us — (800) 233-7333

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	WSeed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
P0075Q	100	Qrome	LL,RR2	LMGN	X					
P0220Q	102	Qrome	LL,RR2	LMGN	X					
P0529Q	105	Qrome	LL,RR2	LMGN		X	X			
P0924Q	109	Qrome	LL,RR2	LMGN		X	X			
P1093Q	110	Qrome	LL,RR2	LMGN				X	X	
P1185Q	111	Qrome	LL,RR2	LMGN				X	X	
P1366Q	113	Qrome	LL,RR2	LMGN						X
P1563Q	115	Qrome	LL,RR2	LMGN						X

Prairie Hybrids: Prairie Hybrids, Deer Grove, IL — www.prairiehybrids.com — (815) 438-7815

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
2235/2231	103	None	None	LMSP	X					
3054/3051	105	None	None	LMSP		X				
4470	106	None	None	LMSP		X				
4885	107	None	None	LMSP			X			
4991Org	106	None	None	LMSP		X	X			
5851	109	None	None	LMSP		X	X			
6755	110	None	None	LMSP			X			
7445	112	None	None	LMSP						X
9703	116	None	None	LMSP						X

Renk: Renk Seed Co., Sun Prairie, WI — www.renkseed.com — (800) BUY RENK

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
4-100VT2P	100	VT2P	RR2	ACL250	X					
RK582SSTX	98	SS	LL,RR2	A500PV	X					
RK586VT4P	99	VT4P	RR2	A500PV	X					
RK597SSPRO	99	SSP-RIB	LL,RR2	A500PV	X					
RK625DGVT2P	104	DGVT2P-RIB	RR2	ACL250		X				
RK628VT2P	102	VT2P-RIB	RR2	ACL250	X					
RK705VT4P	105	VT4P	RR2	A500PV		X	X			
RK766SSPRO	109	SSP-RIB	LL,RR2	A500PV		X	X			
RK773TRE	109	TRE-RIB	RR2	ACL250		X	X			
RK785PCE	109	PC	LL,RR2	LMGN		X	X			
RK800VT4P	110	VT4P	RR2	A500PV				X	X	
RK825VT4P	112	VT4P	RR2	A500PV				X	X	
RK832SSPRO	112	SSP-RIB	LL,RR2	A500PV				X	X	
RK876VT2P	113	VT2P-RIB	RR2	ACL250				X		X
RK895DGVT2P	112	DGVT2P	LL,RR2	LMGN				X	X	
RK921VT2P	115	VT2P	RR2	A500PV						X
RK958VT2P	115	VT2P-RIB	RR2	ACL250						X

Viking/Blue River: Albert Lea Seed House, Albert Lea, MN — www.alseed.com — (800) 352-5247

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
24-01	101	None	None	ACL250	X					
46-02	102	None	None	C250	X					
72-06	106	None	None	C250		X				
73-97	97	None	None	ACL250	X					
75-07	107	None	None	ACL250		X	X			
76-11	111	None	None	ACL250				X	X	
78-13	113	None	None	ACL250				X		X
84-04	104	None	None	C250		X				

Iowa's Official Variety Trials

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