

2021 Iowa Crop Performance Tests CORN



Iowa's Official Variety Trials

IOWA STATE UNIVERSITY
Department of Agronomy

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. This is the 102nd consecutive year for the test. 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 over 137 hybrids from 14 companies in nearly 190 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): Ryan Budnik, Todd Nelson, & Aaron Sassman.



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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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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.
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Figure 1.

Test locations for the 2021 Iowa Crop Performance Tests—Corn

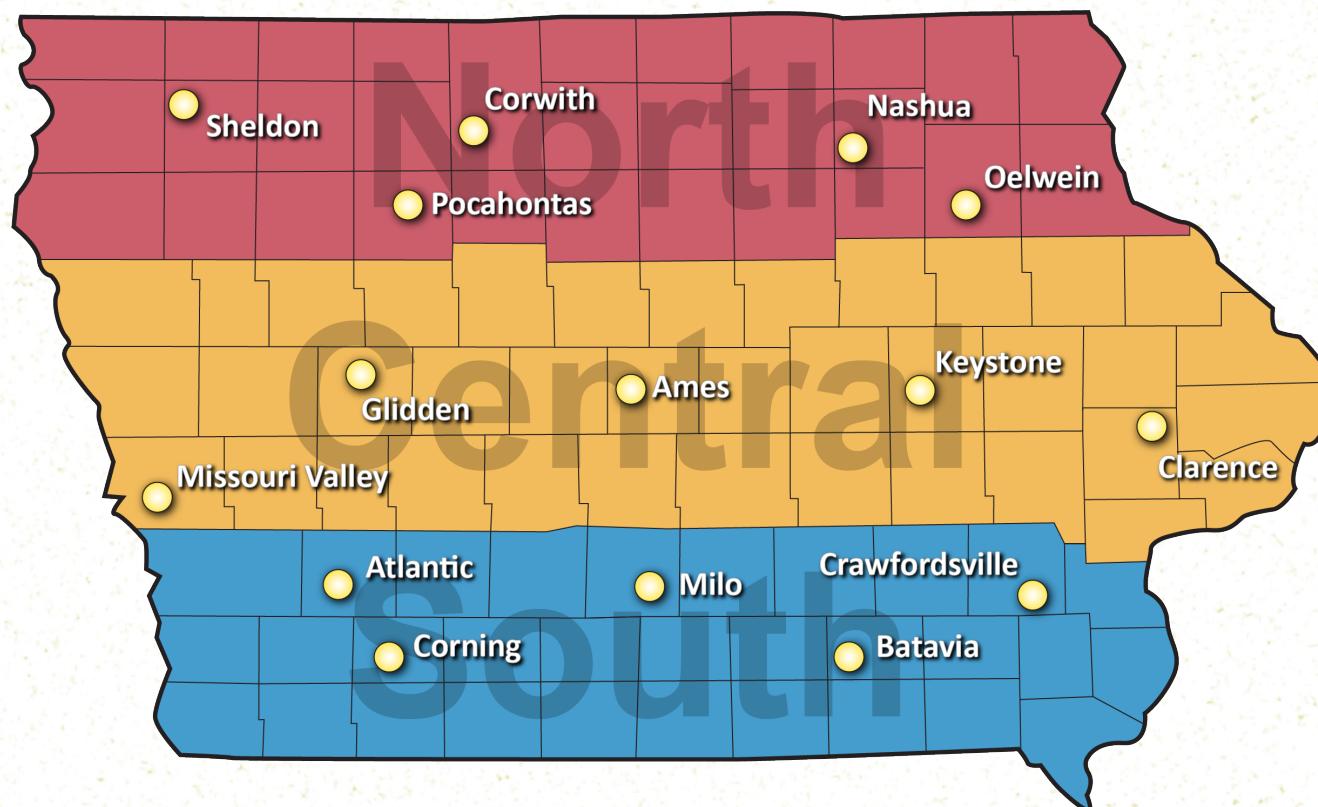


Table 1. General information for the 2021 corn test.

Location and Cooperator	Soil Type	Planting Date	Harvest Date	Avg Yield Bu/Acre
North				
Sheldon, Daryl Roos	Primghar/Galva silty clay loam	27-Apr	7-Oct	245.9
Pocahontas, John Schott	Canisteo/Nicolett/Webster clay loam	27-Apr	8-Oct	221.0
Corwith, Norm & Jonathan Chambers	Canisteo/Bode clay loam, Kossuth silty clay loam	28-Apr	16-Oct	209.5
Nashua, Ken Pecinovsky	Kenyon loam, Readlyn silt loam	29-Apr	12-Oct	216.4
Oelwein, Heath Geiselman	Kenyon loam, Readlyn silt loam, Clyde clay loam	29-Apr	30-Sep	207.7
Central				
Missouri Valley, Dean McIntosh	Kennebec silt loam	29-Apr	4-Oct	237.2
Glidden, David & Andy Theilen	Clarion/Nicollet loam, Webster clay loam	27-Apr	11-Oct	221.5
Ames, Kevin Scholbrock	Canisteo clay loam, Clarion loam, Bemis moraine	28-Apr	10-Oct	224.4
Keystone, Dennis & Steve Pohlman	Tama/Muscatine silty clay loam	6-May	19-Oct	226.7
Clarence, Dave Elijah	Tama/Muscatine/Garwin silty clay loam	30-Apr	18-Oct	235.0
South				
Atlantic, Nick Hunt	Corley-Minden complex, Marshall silty clay loam	12-May	15-Oct	284.8
Corning, David Fuller	Winterset silty clay loam	26-Apr	6-Oct	231.8
Milo, Craig & Adam Hill	Macksburg silty clay loam	26-Apr	29-Sep	261.8
Batavia, Pat Hammes	Haig/Edina silt loam	27-Apr	1-Oct	185.9
Crawfordsville, Cody Schneider	Mahaska/Taintor/Nira silty clay loam	26-Apr	5-Oct	220.3

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

GMO Trait Package		Herb Tech: Herbicide Technology	
AM	Optimum AQUAMax	Conv	Conventional
DGVT2P	Genuity DroughtGard + VT2P	GT, LL	Agrisure Glyphosate + Liberty Link
DURA	Duraforce	LL, RR2	Liberty Link + Roundup Ready
GT3K	Agrisure 3000GT	RR2	Roundup Ready
None	No Seed Treatment		
PC	PowerCore		
Qrome	Qrome		
SSX	SmartStax		
TRC	Trecepta		
V5222	Viptera 5222		
VT2P	YieldGard VT Double PRO		
-RIB	Refuge-in-bag		
Seed Treatment			
		A500PV	Acceleron 500/Poncho/VOTiVO
		ACL250	Acceleron @ 0.250 mg ai / seed
		ACL500	Acceleron @ 0.500 mg ai / seed
		C250	Cruiser @ 0.250 mg ai / seed
		CEP	Cruiser Extreme Pak
		LMGN	LumiGEN
		MX-QT	Maxim + Quattro
		P500V	Poncho 500 + VOTiVO

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 \$4.50 and drying costs of 4 cents per point

This year we evaluated over 137 hybrids from 14 companies in nearly 190 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, 2020-2021.

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	62A8Q	102	Qrome	LL,RR2	215.0	16.0	210.8	215.9	958	
Cornelius	C6209DP	102	VT2P	RR2	214.1	15.5	215.5	210.6	959	
Titan Pro	84-01	101	None	None	212.1	15.9	212.1	211.5	946	
DuraCrop	3007 VT2P	100	VT2P	RR2	211.5	15.4	218.2	203.2	948	
Viking	99-00	100	None	None	210.2	15.7	211.7	206.6	939	
Cornelius	C385DP	103	VT2P	RR2	210.0	15.7	214.6	204.2	938	
Four Star	6D18	100	VT2P-RIB	RR2	209.7	15.2	208.1	209.1	941	
Four Star	6D22	102	VT2P	RR2	209.4	15.8	207.2	212.5	935	
Renk	RK593VT2P	97	VT2P	RR2	208.9	15.3	207.8	208.4	937	
Viking	52-00	100	None	None	207.4	15.0	204.9	206.7	933	
Renk	RK579DGVT2P	99	DGVT2P-RIB	RR2	207.2	15.4	210.5	202.7	928	
Titan Pro	22-00 2P	100	VT2P-RIB	RR2	204.6	16.4	207.1	200.0	908	
Viking	46-02	102	None	None	202.1	16.1	204.1	198.0	900	
Titan Pro	26-00	100	None	None	201.3	16.8	206.3	192.7	891	
Titan Pro	26-03 5222	103	V5222-RIB	LL,RR2	189.5	17.8	197.7	180.0	831	
Experiment Mean					206.7	16.0	208.8	203.0		
LSD(0.25)					7.2	0.3	8.1	10.2		

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 \$
Four Star	6D47	109	VT2P-RIB	RR2	232.3	18.7	232.3	225.7	1,009
Cornelius	C575DP	109	VT2P	RR2	226.4	19.3	228.0	220.4	977
Prairie Hybrids	3259	105	None	None	225.9	17.5	229.8	219.7	993
Hi Fidelity Genetics	HFG1071	105	None	None	225.5	17.4	231.3	219.6	992
Renk	RK710DGVT2P	107	DGVT2P-RIB	RR2	222.9	18.5	225.8	216.2	970
NuTech/G2 Genetics	68A7AM	108	AM	LL,RR2	222.8	20.8	222.1	218.2	947
Viking	84-05	105	None	None	222.8	17.3	226.2	217.3	981
Titan Pro	92-09	109	None	None	221.6	19.8	218.6	218.4	952
Titan Pro	24-04	104	None	None	221.5	18.3	223.8	212.7	966
Hi Fidelity Genetics	HFG1051	105	None	None	221.3	18.1	226.7	214.4	967
Four Star	EXP 9102	109	VT2P-RIB	RR2	220.9	19.5	221.9	216.1	951
Four Star	6D33	104	VT2P-RIB	RR2	212.7	17.0	217.8	206.7	940
Viking	51-04	104	None	None	210.2	18.2	213.1	202.1	917
Prairie Hybrids	5787	108	None	None	209.2	18.1	207.0	202.8	914
Viking	48-08	108	None	None	206.5	18.4	206.2	199.0	900
NuTech/G2 Genetics	68B3AML	108	Qrome	LL,RR2	204.8	19.6	207.1	195.0	881
Four Star	6D41	107	VT2P-RIB	RR2	204.6	18.4	207.4	197.8	891
Experiment Mean					214.9	18.8	217.4	208.3	
LSD(0.25)					7.2	0.7	8.0	10.8	

Table 4. Central district 2-year means¹, 2020-2021.

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 \$
NuTech/G2 Genetics	68A7AM	108	AM	LL,RR2	251.3	15.2	248.1	257.6	1,129
Cornelius	C575DP	109	VT2P	RR2	237.4	15.1	231.8	244.7	1,067
Titan Pro	92-09	109	None	None	232.4	15.1	229.2	242.5	1,044
NuTech/G2 Genetics	68B3AML	108	Qrome	LL,RR2	230.0	15.3	233.4	224.8	1,032
Titan Pro	94-09 2P	109	VT2P-RIB	RR2	228.1	15.0	225.9	229.3	1,026
Viking	84-05	105	None	None	227.2	14.4	226.0	228.5	1,028
Hi Fidelity Genetics	HFG1092	109	None	None	225.8	15.6	230.2	226.9	1,010
Hi Fidelity Genetics	HFG1071	105	None	None	225.7	14.2	225.7	229.3	1,022
Prairie Hybrids	5142	109	None	None	225.5	15.4	228.9	227.2	1,011
Four Star	6D47	109	VT2P-RIB	RR2	225.4	15.0	222.6	227.4	1,014
Prairie Hybrids	5900	109	None	None	223.8	15.5	228.4	222.8	1,002
Four Star	EXP 9102	109	VT2P-RIB	RR2	221.0	15.1	219.7	217.5	993
DuraCrop	3100 VT2P	109	VT2P	RR2	220.7	14.3	217.9	218.4	999
Viking	48-08	108	None	None	219.5	15.2	221.4	220.0	985
Four Star	6D41	107	VT2P-RIB	RR2	219.0	14.5	220.8	217.9	990
Four Star	6D33	104	VT2P-RIB	RR2	217.3	14.0	219.6	211.2	986
Cappel	4720	107	None	Conv	215.6	14.7	215.1	217.0	972
Experiment Mean LSD(0.25)					224.3	14.9	223.6	229.4	
					11.4	0.4	12.4	9.3	

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 \$
Cornelius	C7366DGDP	113	DGVT2P-RIB	RR2	234.8	16.5	232.9	240.9	1,042
NuTech/G2 Genetics	70A8AM	110	AM	LL,RR2	234.6	16.3	232.9	243.4	1,043
NuTech/G2 Genetics	70F2Q	110	Qrome	LL,RR2	231.8	15.9	226.8	237.7	1,034
NuTech/G2 Genetics	74B6AM	114	AM	LL,RR2	230.4	17.2	227.2	234.0	1,016
Hi Fidelity Genetics	HFG1111	111	None	None	228.7	15.3	223.6	231.5	1,026
DuraCrop	3135 VT2P	113	VT2P	RR2	226.7	15.6	221.0	229.7	1,015
Prairie Hybrids	6878	112	None	None	225.8	16.8	219.3	232.1	999
DuraCrop	3124 DG2P	112	DGVT2P-RIB	RR2	224.8	16.1	219.3	229.8	1,001
Viking	58-11	111	None	None	224.3	15.3	220.9	227.7	1,006
Cornelius	C7125DP	111	VT2P	RR2	221.9	15.6	217.9	230.0	993
Pioneer	P1082AM	110	AM	LL,RR2	220.5	16.2	215.5	225.1	981
Four Star	6D52	110	VT2P-RIB	RR2	218.2	15.4	212.4	225.3	978
Prairie Hybrids	8290	114	None	None	216.8	18.9	213.9	220.8	940
DuraCrop	3126 GT3	112	GT3K	GT, LL	211.6	17.9	213.2	207.8	926
Experiment Mean LSD(0.25)					221.7	16.4	218.3	228.1	
					10.0	0.5	10.4	8.5	

¹Several central district locations were discarded in the previous 2020 season as a result of the severe derecho storm damage. The model for the 2-year analysis has a high-degree of predictive probability and the reported LS means remain the best source for estimating hybrid performance.

Table 5. South district 2-year means, 2020-2021.

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	70F2Q	110	Qrome	LL,RR2	240.7	16.8	251.4	240.5	1,065
NuTech/G2 Genetics	70A8AM	110	AM	LL,RR2	235.2	17.0	249.9	235.9	1,039
Hi Fidelity Genetics	HFG1111	111	None	None	228.9	16.2	248.9	224.2	1,018
Pioneer	P1082AM	110	AM	LL,RR2	227.2	16.7	238.7	225.4	1,006
Four Star	EXP 9102	109	VT2P-RIB	RR2	224.0	16.3	241.8	218.5	996
Cornelius	C7125DP	111	VT2P	RR2	222.5	16.3	236.6	224.5	989
Four Star	6D47	109	VT2P-RIB	RR2	221.4	16.1	233.2	217.2	986
Four Star	6D52	110	VT2P-RIB	RR2	220.3	16.1	235.1	222.0	981
Experiment Mean LSD(0.25)					227.2	16.8	242.0	225.6	
						7.5	0.3	8.2	10.0

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 \$
DuraCrop	3143 VT2P	114	VT2P	RR2	239.9	18.3	258.9	229.5	1,047
NuTech/G2 Genetics	74B6AM	114	AM	LL,RR2	239.7	18.1	258.7	237.8	1,048
Cornelius	C7366DGDP	113	DGVT2P-RIB	RR2	234.7	17.6	252.0	233.2	1,031
Hi Fidelity Genetics	HFG1142	114	None	None	232.4	19.4	246.5	222.7	1,002
Cornelius	C7308SS	113	SSX	LL,RR2	231.3	18.0	247.2	225.5	1,011
DuraCrop	3150 VT2P	115	VT2P	RR2	231.0	19.7	252.1	226.2	993
Prairie Hybrids	8759	115	None	None	230.7	19.0	247.9	226.0	999
DuraCrop	3135 VT2P	113	VT2P	RR2	229.9	16.2	250.9	227.1	1,022
Pioneer	P1563AM	115	AM	LL,RR2	222.8	18.3	236.9	225.1	972
Pioneer	P1366AM	113	AM	LL,RR2	213.6	17.0	221.1	221.7	943
Experiment Mean LSD(0.25)					228.3	18.3	245.5	223.8	
						8.4	0.5	10.9	10.5



Table 6. North district, 2021 district and single-location means. Early-season test, RM ≤ 103.

Company	Hybrid	District Means					Single Location Yield						
		Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV \$	Sheldon	Pocahontas	Corwith	Nashua	Oelwein
Legacy Seeds	LC-5319	SSX-RIB	LL,RR2	230.0	232.1	223.1	16.6	1,134	256.9	218.8	221.4	224.0	228.2
DEKALB	DKC52-99TRERIB	TRC-RIB	RR2	227.9	236.6	218.8	15.9	1,130	255.7	228.8	220.6	212.3	220.5
Legacy Seeds	LC474-20	TRC-RIB	RR2	226.7	224.0	217.2	15.3	1,129	261.9	218.6	209.1	221.7	226.9
NuTech/G2 Genetics	58B1AM	AM	LL,RR2	221.4	225.8	211.3	15.9	1,098	244.9	226.5	206.4	208.9	218.7
Titan Pro	84-01	None	None	220.4	219.9	214.7	15.8	1,094	247.0	205.8	204.3	226.8	214.8
Prairie Hybrids	2430	None	None	218.6	219.3	213.5	16.3	1,080	234.9	215.3	211.3	216.7	215.7
NuTech/G2 Genetics	57A4Q	Qrome	LL,RR2	217.2	218.4	215.2	16.1	1,076	229.3	215.7	205.6	219.5	214.3
NuTech/G2 Genetics	62A8Q	Qrome	LL,RR2	217.1	213.4	213.3	15.7	1,078	240.7	202.1	198.6	220.0	223.2
Renk	RK593VT2P	VT2P	RR2	216.7	214.5	215.2	15.3	1,080	228.6	211.7	204.2	213.0	229.9
Cornelius	C6209DP	VT2P	RR2	216.3	215.4	206.4	15.4	1,077	248.2	204.1	199.7	218.8	210.7
Hi Fidelity Genetics	HFG1002	None	None	216.1	227.5	200.5	15.0	1,080	260.9	216.2	205.0	219.5	178.1
Renk	RK600VT2P	VT2P	RR2	215.7	223.3	206.9	15.5	1,073	243.6	217.0	207.4	222.5	187.7
Renk	RK579DGVT2P	DGVT2P-RIB	RR2	215.7	215.0	213.6	15.5	1,073	233.7	202.6	203.7	220.1	213.0
Renk	RK590VT2P	VT2P	RR2	215.4	218.4	212.7	15.2	1,074	241.8	202.7	204.3	211.1	213.3
Titan Pro	20-99	None	None	214.7	218.3	205.8	15.0	1,073	243.1	212.2	198.4	215.9	208.0
Viking	99-00	None	None	214.3	215.4	209.1	15.4	1,067	236.0	207.6	197.0	221.5	205.9
Pioneer	P0075AM	AM	LL,RR2	213.8	219.3	204.4	16.2	1,058	236.7	217.8	207.7	209.7	201.1
Four Star	6D18	VT2P-RIB	RR2	213.0	210.5	209.7	15.2	1,062	238.3	201.6	192.6	216.5	219.6
Viking	46-02	None	None	212.8	217.0	205.2	15.7	1,057	241.8	207.2	200.0	211.4	202.5
DuraCrop	3007 VT2P	VT2P	RR2	212.7	224.8	202.5	15.4	1,059	253.7	213.8	200.7	216.4	175.8
Cornelius	C6042DP	VT2P	RR2	212.6	220.1	203.2	15.5	1,058	247.2	207.7	204.3	216.9	186.8
Titan Pro	22-00 2P	VT2P-RIB	RR2	212.5	217.4	205.3	16.6	1,047	237.2	208.7	209.8	206.4	203.2
Cornelius	C385DP	VT2P	RR2	211.4	219.7	199.9	15.6	1,051	247.5	213.4	199.0	214.5	180.8
Viking	52-00	None	None	209.5	214.2	207.0	15.0	1,047	231.0	208.0	186.5	215.2	204.9
Titan Pro	26-00	None	None	208.7	214.3	.	16.7	1,028	246.6	206.1	187.9	.	.
Prairie Hybrids	1320	None	None	208.6	217.3	192.8	15.2	1,041	250.6	211.3	197.0	223.4	163.7
Four Star	6D22	VT2P	RR2	207.2	205.1	208.5	15.8	1,028	207.1	203.0	207.0	213.7	206.4
NuTech/G2 Genetics	60A2Q	Qrome	LL,RR2	205.5	216.7	200.2	16.3	1,016	229.1	200.5	220.5	198.2	179.2
Prairie Hybrids	2607	None	None	203.2	218.3	191.2	17.5	994	221.8	221.3	215.4	208.3	151.5
Titan Pro	26-03 5222	V5222-RIB	LL,RR2	201.6	217.3	189.7	18.0	982	216.1	227.2	217.0	194.0	157.2
Pioneer	P0220Q	Qrome	LL,RR2	199.7	207.7	185.7	16.6	985	229.6	204.9	198.1	197.2	167.2
DenBesten	DB32-00	None	None	198.7	212.5	185.8	15.2	991	234.4	202.9	197.8	202.2	158.0
Experiment Mean				213.6		15.8	1,060	239.9	211.3	204.3	214.1	198.9	
Minimum Mean				198.7		15.0	982	207.1	200.5	186.5	194.0	151.4	
Maximum Mean				230.0		18.0	1,134	261.9	228.8	221.4	226.8	229.9	
LSD(0.25)				9.1		0.3		8.3	7.1	8.0	10.5	13.3	
Coefficient of Variability				5.3				4.1	4.0	3.8	5.8	7.5	

Table 7. North district, 2021 district and single-location means. Full-season test, RM > 103.

Company	Hybrid	District Means					Single Location Yield						
		Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV \$	Sheldon	Pocahontas	Corwith	Nashua	Oelwein
Four Star	6D47	VT2P-RIB	RR2	239.6	227.8	244.6	18.7	1,160	269.9	240.9	219.3	227.3	242.7
NuTech/G2 Genetics	68A7AM	AM	LL,RR2	234.0	229.3	240.7	20.4	1,115	238.9	242.4	238.9	231.5	219.9
Cornelius	C6812DP	VT2P	RR2	233.8	224.4	240.5	20.2	1,116	261.2	237.1	222.6	227.4	220.6
Titan Pro	24-04	None	None	232.8	224.1	237.1	18.0	1,135	261.6	233.5	216.2	221.6	230.9
Prairie Hybrids	3259	None	None	232.8	223.1	240.3	16.8	1,146	268.7	228.8	221.4	223.6	223.8
Renk	RK710DGVT2P	DGVT2P-RIB	RR2	232.4	224.6	237.5	18.6	1,126	264.9	230.5	218.2	211.9	235.8
Renk	RK625DGVT2P	DGVT2P-RIB	RR2	232.1	223.0	236.1	17.0	1,140	256.0	234.9	218.3	224.5	226.7
Titan Pro	92-09	None	None	231.7	227.5	230.3	19.7	1,112	256.4	223.3	210.3	231.1	238.4
Cornelius	C575DP	VT2P	RR2	230.8	225.2	231.7	19.1	1,113	250.0	229.7	212.8	226.0	241.9
Prairie Hybrids	4470	None	None	230.2	217.4	236.3	17.9	1,122	264.0	228.9	220.9	222.8	212.9
NuTech/G2 Genetics	69B9Q	Qrome											

Table 6. Central district, 2021 district and single-location means. Early-season test, RM ≤ 109.

Company	Hybrid	District Means						Single Location Yield					
		Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV \$	Missouri Valley	Glidden	Ames	Keystone	Clarnece
NuTech/G2 Genetics	68A7AM	AM	LL,RR2	254.9	257.8	254.4	15.2	1,271	262.1	239.0	258.3	256.8	255.9
DEKALB	DKC57-71GENSSRIB	SSX-RIB	LL,RR2	242.1	239.7	247.0	14.9	1,210	251.8	237.8	250.5	228.7	239.9
Cornelius	C575DP	VT2P	RR2	240.7	245.8	236.1	15.0	1,202	237.0	234.2	235.0	242.7	251.7
Titan Pro	92-09	None	None	238.4	243.0	240.1	15.1	1,190	240.3	224.1	248.5	232.0	246.3
NuTech/G2 Genetics	64B5Q	Qrome	LL,RR2	238.3	241.6	234.6	14.5	1,196	241.6	223.8	238.1	235.6	252.7
Four Star	EXP 2113	SSX-RIB	LL,RR2	235.8	238.1	232.7	15.0	1,178	241.1	220.5	235.9	223.3	256.2
NuTech/G2 Genetics	69B9Q	Qrome	LL,RR2	234.8	237.3	236.8	15.1	1,172	242.1	218.5	242.9	228.9	241.7
NuTech/G2 Genetics	69A6Q	Qrome	LL,RR2	234.4	239.0	238.7	15.2	1,169	241.6	217.2	252.5	228.2	231.7
DuraCrop	X1081 VT2P	VT2P	RR2	233.0	236.7	234.2	14.6	1,168	238.1	216.0	237.3	227.8	242.2
Cornelius	C6936SS	SSX	LL,RR2	232.9	234.8	227.6	15.7	1,156	239.6	215.9	235.0	228.7	243.6
Prairie Hybrids	6590	None	None	232.7	230.7	237.6	15.0	1,163	232.8	244.3	228.1	232.7	225.9
Titan Pro	24-04	None	None	232.0	236.9	226.8	14.3	1,165	233.1	213.0	238.8	231.4	240.9
Pioneer	P0963AM	AM	LL,RR2	231.8	235.0	233.7	15.5	1,153	245.0	202.2	244.3	223.7	238.7
DuraCrop	1091 VT2P	VT2P	RR2	231.5	232.1	228.8	15.0	1,156	241.7	215.1	234.0	214.4	254.0
Viking	72-06	None	None	230.4	234.5	230.9	14.4	1,157	234.2	213.5	248.5	225.1	232.6
NuTech/G2 Genetics	68B3AML	Qrome	LL,RR2	230.1	223.8	231.8	15.2	1,147	242.9	232.2	229.0	218.1	229.2
Titan Pro	94-09 2P	VT2P-RIB	RR2	229.2	228.8	227.1	15.3	1,142	240.8	212.8	222.7	232.7	231.1
NuTech/G2 Genetics	66C2Q	Qrome	LL,RR2	228.7	229.7	229.8	15.1	1,142	238.1	217.1	225.9	235.6	227.8
Prairie Hybrids	5142	None	None	228.6	227.7	233.8	15.4	1,139	230.2	232.5	242.0	222.9	217.3
Prairie Hybrids	4470	None	None	228.5	234.5	227.9	14.4	1,147	231.2	214.7	238.2	231.2	231.7
Viking	84-05	None	None	228.2	227.6	227.6	14.3	1,146	242.4	212.6	227.9	221.8	236.4
Hi Fidelity Genetics	HFG1092	None	None	227.6	226.9	235.0	15.6	1,131	232.6	225.8	246.6	224.5	209.2
Four Star	6D47	VT2P-RIB	RR2	227.1	227.0	222.2	15.0	1,134	231.5	221.3	220.5	221.1	243.2
Hi Fidelity Genetics	HFG1051	None	None	226.6	232.5	223.9	14.4	1,137	231.2	209.7	233.2	226.3	234.4
Cornelius	C6812DP	VT2P	RR2	226.5	225.9	222.3	15.0	1,132	244.4	214.4	203.6	217.4	252.0
Hi Fidelity Genetics	HFG1071	None	None	226.3	229.1	226.9	14.1	1,138	234.5	209.0	235.9	221.7	232.8
Prairie Hybrids	5900	None	None	226.1	222.7	232.5	15.5	1,125	230.7	234.5	238.2	209.8	218.9
Cornelius	C6708DP	VT2P	RR2	224.2	225.4	217.9	14.3	1,126	240.7	201.6	207.3	224.1	245.5
NuTech/G2 Genetics	64D1AM	AM	LL,RR2	222.6	219.7	222.5	14.5	1,116	240.3	214.7	216.3	225.3	218.3
DenBesten	DB38-06	None	None	222.3	227.8	218.8	14.1	1,118	235.2	191.9	229.8	224.3	228.9
Four Star	EXP 2201	VT2P-RIB	RR2	221.7	218.7	218.5	14.9	1,108	240.4	209.9	213.4	208.2	239.5
Pioneer	P0595AM	AM	LL,RR2	221.7	227.2	214.7	14.5	1,111	235.5	198.3	215.4	223.4	236.6
DuraCrop	3100 VT2P	VT2P	RR2	221.0	218.2	219.7	14.3	1,110	232.7	215.9	203.0	219.2	230.4
Viking	48-08	None	None	220.4	219.5	224.0	15.3	1,098	235.3	205.7	231.2	216.6	213.6
Four Star	6D41	VT2P-RIB	RR2	220.0	218.2	220.7	14.5	1,103	231.8	217.1	220.0	213.2	220.8
Four Star	EXP 9102	VT2P-RIB	RR2	219.3	217.2	217.8	15.1	1,094	235.5	204.9	204.7	208.0	237.3
Cappel	4720	None	Conv	217.9	216.5	217.7	14.6	1,092	226.1	210.0	220.0	212.3	223.0
Four Star	6D33	VT2P-RIB	RR2	215.5	211.7	215.1	13.9	1,085	239.7	204.4	207.8	204.1	224.5
Viking	0.18-06UP	None	None	209.1	205.5	216.6	14.0	1,052	231.8	197.4	213.9	202.3	202.4
Experiment Mean				228.5		14.8	1,143	237.9	216.5	230.1	223.7	234.3	
Minimum Mean				209.1		13.9	1,052	226.1	191.9	203.0	202.3	202.4	
Maximum Mean				254.9		15.7	1,271	262.1	244.3	258.3	256.8	256.2	
LSD(0.25)				6.7		0.2		4.9	12.2	9.8	8.7	7.1	
Coefficient of Variability				4.3				2.2	5.8	4.4	4.6	3.4	

Table 7. Central district, 2021 district and single-location means. Full-season test, RM > 109.

Company	Hybrid	District Means						Single Location Yield					
		Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV \$	Missouri Valley	Glidden	Ames	Keystone	Clarnece
DuraCrop	3143 VT2P	VT2P	RR2	248.6	244.5	248.2	17.2	1,219	248.5	252.0	250.9	242.1	247.1
Cornelius	C7366DGDP	DGVT2P-RIB	RR2	242.5	240.2	240.9	16.5	1,196	240.3	249.2	242.8	233.3	249.2
NuTech/G2 Genetics	70A8AM	AM	LL,RR2	240.3	245.2	239.4	16.4	1,187	243.7	228.2	248.3		

Table 10. South district, 2021 district and single-location means. Early-season test, RM ≤ 112.

Company	Hybrid	District Means								Single Location Yield				
		Trait Pkg	Herb Tech	Yield Bu/A	SW Yield	SE Yield	Moist %	AGV \$	Atlantic	Corning	Milo	Batavia	Crawfordsville	
NuTech/G2 Genetics	70F2Q	Qrome	LL,RR2	249.6	238.5	269.7	15.3	1,244	294.1	239.9	274.9	212.9	230.0	
NuTech/G2 Genetics	72D4AM	AM	LL,RR2	246.8	233.9	265.0	15.9	1,224	287.3	235.8	272.1	215.2	224.3	
NuTech/G2 Genetics	69B9Q	Qrome	LL,RR2	245.6	235.4	263.9	15.1	1,226	278.2	239.4	275.0	206.4	229.5	
NuTech/G2 Genetics	72B7Q	Qrome	LL,RR2	241.8	223.6	260.7	15.7	1,201	300.7	235.3	251.2	202.4	225.4	
Titan Pro	11-11	None	None	241.2	225.7	265.1	14.8	1,207	296.1	231.5	271.7	180.9	225.1	
Pioneer	P1185Q	Qrome	LL,RR2	241.0	226.3	256.6	15.7	1,197	291.1	232.3	245.8	198.3	230.0	
DEKALB	DKC62-70GENVT2PRIB	VT2P-RIB	RR2	241.0	226.9	264.6	15.4	1,200	285.3	235.3	273.9	202.5	208.8	
Four Star	EXP 2202	VT2P-RIB	RR2	239.9	225.3	263.7	15.0	1,198	285.2	234.9	268.6	189.0	222.4	
DuraCrop	1091 VT2P	VT2P	RR2	239.6	219.9	262.2	14.7	1,199	299.2	232.8	252.7	194.0	221.8	
NuTech/G2 Genetics	70A8AM	AM	LL,RR2	239.5	219.0	262.8	15.7	1,190	295.4	234.8	249.2	193.3	225.6	
NuTech/G2 Genetics	69A6Q	Qrome	LL,RR2	238.3	225.5	256.8	15.4	1,186	282.8	233.7	253.2	202.2	219.2	
Titan Pro	18-12 SS	SSX-RIB	LL,RR2	238.1	223.6	253.4	15.7	1,183	290.7	229.8	242.3	199.5	225.9	
Hi Fidelity Genetics	HFG1111	None	None	235.0	218.1	263.2	14.7	1,177	293.8	232.3	260.8	167.1	226.4	
Renk	RK826VT2P	VT2P	RR2	235.0	224.5	257.3	15.2	1,172	267.8	234.6	262.4	193.6	217.2	
DuraCrop	3127 VT2P	VT2P	RR2	234.6	211.7	260.8	16.3	1,159	292.4	231.9	260.7	160.5	227.2	
Cornelius	C575DP	VT2P	RR2	234.5	220.8	258.1	14.6	1,176	270.7	232.8	270.6	170.8	224.3	
Renk	RK882TRE	VT2P	RR2	231.9	217.6	260.5	15.6	1,153	272.1	229.7	267.1	171.4	217.6	
DuraCrop	X1100 VT2P	VT2P	RR2	231.6	218.2	251.4	14.4	1,162	263.1	233.6	254.5	187.1	214.8	
Pioneer	P1082AM	AM	LL,RR2	230.5	219.4	256.9	15.3	1,148	278.6	224.5	260.4	168.7	218.1	
Cornelius	C7125DP	VT2P	RR2	228.9	219.3	253.9	15.0	1,144	257.7	233.5	261.3	173.2	215.7	
Four Star	EXP 9102	VT2P-RIB	RR2	228.5	206.9	255.0	14.8	1,143	276.8	228.8	257.6	174.0	206.9	
DuraCrop	3119 GT3DXV	DURA	GT, LL	226.8	210.3	247.4	16.4	1,120	275.6	227.3	242.6	174.7	214.8	
Four Star	6D52	VT2P-RIB	RR2	225.1	216.5	247.5	14.7	1,128	244.4	230.7	266.4	163.5	218.9	
Four Star	6D47	VT2P-RIB	RR2	224.7	212.5	243.3	14.7	1,125	262.6	227.1	244.9	175.9	209.5	
Experiment Mean				236.2		15.2	1,178	280.9	232.6	260.0	186.5	220.8		
Minimum Mean				224.7		14.4	1,120	244.4	224.5	242.3	160.5	206.9		
Maximum Mean				249.6		16.4	1,244	300.7	239.9	275.0	215.2	230.0		
LSD(0.25)				7.2		0.3		11.7	4.4	11.7	10.8	6.8		
Coefficient of Variability				4.6				4.4	2.2	4.9	6.0	3.4		

Table 11. South district, 2021 district and single-location means. Full-season test, RM > 112.

Company	Hybrid	District Means								Single Location Yield				
		Trait Pkg	Herb Tech	Yield Bu/A	SW Yield	SE Yield	Moist %	AGV \$	Atlantic	Corning	Milo	Batavia	Crawfordsville	
NuTech/G2 Genetics	74B6AM	AM	LL,RR2	248.4	234.5	276.0	16.5	1,226	308.0	230.8	284.5	190.6	226.3	
NuTech/G2 Genetics	74F3AM	AM	LL,RR2	247.3	233.8	265.0	16.7	1,218	292.7	235.0	272.0	211.2	224.9	
NuTech/G2 Genetics	77A5AM	AM	LL,RR2	245.5	231.1	260.4	18.0	1,195	308.3	220.3	262.6	202.8	226.8	
DuraCrop	3143 VT2P	VT2P	RR2	242.7	227.9	279.2	16.4	1,199	308.0	234.8	279.0	174.0	221.9	
NuTech/G2 Genetics	74A9AM	AM	LL,RR2	242.0	228.0	266.0	16.6	1,193	292.5	242.3	267.4	193.9	213.9	
Renk	RK907SSTX	SSX	RR2	239.3	218.5	263.2	16.6	1,180	311.6	230.1	267.8	172.5	219.7	
Cornelius	C7366DGDP	DGVT2P-RIB	RR2	239.2	229.5	270.0	15.9	1,186	280.2	231.9	283.9	179.4	220.7	
Hi Fidelity Genetics	EXP2118	None	None	239.1	221.6	264.7	16.1	1,184	307.3	233.4	251.0	176.8	223.2	
Cornelius	C7308SS	SSX	LL,RR2	238.7	222.1	264.1	16.4	1,179	285.9	236.9	268.1	175.1	224.5	
DuraCrop	3150 VT2P	VT2P	RR2	238.6	217.5	262.8	17.6	1,166	303.1	230.6	259.0	181.5	213.8	
Prairie Hybrids	8759	None	None	238.1	218.8	267.6	18.1	1,159	308.1	227.7	247.5	197.7	209.0	
Hi Fidelity Genetics	HFG1142	None	None	237.9	218.0	262.9	18.5	1,154	306.4	233.0	241.0	188.9	218.9	
DEKALB	DKC65-84GENSSRIB	SSX-RIB	LL,RR2	237.7	224.6	259.7	16.6	1,172	286.3	228.2	275.0	185.3	221.1	
DuraCrop	3135 VT2P	VT2P	RR2	237.2	220.0	263.5	15.1	1,184	300.4	233.3	252.9	176.8	221.7	
Renk	RK915VT2P	VT2P	RR2	236.6	222.1	257.5	17.0	1,163	295.8	224.5	265.2	177.2	222.9	
Hi Fidelity Genetics	HFG1132	None	None	235.1	221.4	255.3	16.0	1,165	279.4	225.8	272.5	185.0	217.7	

Table 12. Entrant Information.

Cappel Seed: Cappel Certified Seeds Inc., Rochelle, IL				www.cappelseeds.com		(815) 562-8978			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
4720	107	None	Conv	None		X			
4920	109	None	Conv	None		X			
5320	112	None	Conv	None		X			

Cornelius: Cornelius Seed, Bellevue, IA				www.corneliusseed.com		(800) 218-1862			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
C385DP	103	VT2P	RR2	C250	X				
C575DP	109	VT2P	RR2	C250		X			
C6042DP	100	VT2P	RR2	C250	X				
C6209DP	102	VT2P	RR2	C250	X				
C6400DGDP	104	DGVT2P-RIB	RR2	P500V		X			
C6552PC	105	PC	LL,RR2	P500V		X			
C6708DP	107	VT2P	RR2	P500V					
C6812DP	108	VT2P	RR2	P500V		X			
C6936SS	109	SSX	LL,RR2	P500V					
C7125DP	111	VT2P	RR2	C250					
C7270DP	112	VT2P	RR2	C250					
C7308SS	113	SSX	LL,RR2	P500V					
C7366DGDP	113	DGVT2P-RIB	RR2	C250					

DEKALB: Bayer Crop Science, St. Louis, MO				www.dekalbasgrowdeltapine.com		(800) 768-6387			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
DKC52-99TRERIB	102	TRC-RIB	RR2	ACLE	X				
DKC57-29TRERIB	107	TRC-RIB	RR2	ACLE		X			
DKC57-71GENSSRIB	107	SSX-RIB	LL,RR2	ACLE			X		
DKC62-70GENVT2PRIB	112	VT2P-RIB	RR2	ACLE				X	
DKC62-89TRERIB	112	TRC-RIB	RR2	ACLE			X		
DKC65-84GENSSRIB	115	SSX-RIB	LL,RR2	ACLE				X	

Den Besten: Dakota's Best Seed LLC, Platte, SD				www.dakotasbestseedllc.com		(605) 337-3318			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
DB31-08	108	None	None	None		X			
DB31-10	110	None	None	None			X		
DB32-00	100	None	NoneW	None	X				
DB38-06	106	None	None	None		X			

Table 12. Entrant Information. *Continued*

DuraCrop: DuraCrop Seed, Oskaloosa, IA				www.myduracrop.com		(800) 373-9401			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
1091 VT2P	109	VT2P	RR2	ACL250				X	
3007 VT2P	100	VT2P	RR2	ACL250				X	
3100 VT2P	109	VT2P	RR2	ACL250				X	
3119 GT3DXV	111	DURA	GT, LL	ACL250				X	
3124 DG2P	112	DGVT2P-RIB	RR2	CEP				X	
3126 GT3	112	GT3K	GT, LL	CEP				X	
3127 VT2P	112	VT2P	RR2	CEP				X	
3135 VT2P	113	VT2P	RR2	CEP				X	
3143 VT2P	114	VT2P	RR2	ACL250				X	
3150 VT2P	115	VT2P	RR2	CEP				X	
X1081 VT2P	108	VT2P	RR2	ACL250				X	
X1100 VT2P	110	VT2P	RR2	ACL250				X	

Four Star: Four Star Seed Co., Logan, IA				www.4starseed.com		(712) 644-1400			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					
6D18	100	VT2P-RIB	RR2	ACL250	X				
6D22	102	VT2P	RR2	ACL250	X				
6D33	104	VT2P-RIB	RR2	ACL250		X			
6D41	107	VT2P-RIB	RR2	ACL250		X			
6D47	109	VT2P-RIB	RR2	ACL250		X			
6D52	110	VT2P-RIB	RR2	ACL250			X		
EXP 2113	109	SSX-RIB	LL,RR2	A500PV				X	
EXP 2201	109	VT2P-RIB	RR2	ACL250			X		
EXP 2202	111	VT2P-RIB	RR2	ACL250				X	
EXP 9102	109	VT2P-RIB	RR2	ACL250	X	X		X	

Hi Fidelity Genetics: Hi Fidelity Genetics, Durham, NC				www.hifidelitygenetics.com		(984) 439-8338			
		GMO Technology	Seed	North Early	North Full	Central Early	Central Full	South Early	South Full
Hybrid	RM	Trait Pkg	Herb Tech	Treatment					

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Table 12. Entrant Information. *Continued***Legacy Seeds: Legacy Seeds, Scandinavia, WI**www.legacyseeds.com

(866) 791-6390

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
LC-5319	103	SSX-RIB	LL,RR2	A500PV	X					
LC474-20	98	TRC-RIB	RR2	A500PV	X					
LC564-20	106	PC	LL,RR2	ACL500		X				

NuTech / G2 Genetics: NuTech Seed, LLC, Ames, IAwww.nutechseed.com

(515) 232-1997

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
57A4Q	97	Qrome	LL,RR2	LMGN	X					
58B1AM	98	AM	LL,RR2	LMGN	X					
60A2Q	100	Qrome	LL,RR2	LMGN	X					
62A8Q	102	Qrome	LL,RR2	LMGN	X					
64B5Q	104	Qrome	LL,RR2	LMGN		X	X			
64D1AM	104	AM	LL,RR2	LMGN		X	X			
66C2Q	106	Qrome	LL,RR2	LMGN		X	X			
68A7AM	108	AM	LL,RR2	LMGN		X	X			
68B3AML	108	Qrome	LL,RR2	LMGN		X	X			
69A6Q	109	Qrome	LL,RR2	LMGN		X	X			
69B9Q	109	Qrome	LL,RR2	LMGN		X	X			
70A8AM	110	AM	LL,RR2	LMGN			X	X		
70F2Q	110	Qrome	LL,RR2	LMGN			X	X		
71F5Q	111	Qrome	LL,RR2	LMGN			X	X		
72B7Q	112	Qrome	LL,RR2	LMGN			X	X		
72D4AM	112	AM	LL,RR2	LMGN			X	X		
74A9AM	114	AM	LL,RR2	LMGN			X	X		
74B6AM	114	AM	LL,RR2	LMGN			X	X		
74F3AM	114	AM	LL,RR2	LMGN			X	X		
77A5AM	117	AM	LL,RR2	LMGN			X	X		

**Table 12. Entrant Information.** *Continued***Pioneer: Corteva, Johnston, IA**www.pioneer.com

(800) 233-7333

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
P0075AM	100	AM	LL,RR2	LMGN	X					
P0220Q	102	Qrome	LL,RR2	LMGN		X				
P0595AM	105	AM	LL,RR2	LMGN			X	X		
P0963AM	109	AM	LL,RR2	LMGN			X	X		
P1082AM	110	AM	LL,RR2	LMGN					X	X
P1185Q	111	Qrome	LL,RR2	LMGN					X	X
P1366AM	113	AM	LL,RR2	LMGN						X
P1563AM	115	AM	LL,RR2	LMGN						X

Prairie Hybrids: Prairie Hybrids, Deer Grove, ILwww.prairiehybrids.com

(815) 438-7815

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
1320	98	None	None	MX-QT	X					
2430	103	None	None	MX-QT	X					
2607	103	None	None	MX-QT		X				
3259	105	None	None	MX-QT			X			
4470	106	None	None	MX-QT			X	X		
5142	109	None	None	MX-QT			X	X		
5787	108	None	None	MX-QT			X			
5900	109	None	None	MX-QT			X			
6590	111	None	None	MX-QT			X	X		
6878	112	None	None	MX-QT					X	
8290	114	None	None	MX-QT					X	
8759	115	None	None	MX-QT						X
8904	113	None	None	MX-QT						X

Renk: Renk Seed Co., Sun Prairie, WIwww.renkinseed.com

(800) BUY RENK

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
RK579DGVT2P	99	DGVT2P-RIB	RR2	ACL250	X					
RK590VT2P	98	VT2P	RR2	ACL250		X				
RK593VT2P	97	VT2P	RR2	ACL250			X			
RK600VT2P	100	VT2P	RR2	ACL250		X				
RK615SSTX	102	SSX	RR2	A500PV		X				
RK625DGVT2P	104	DGVT2P-RIB	RR2	ACL250			X			
RK710DGVT2P	107	DGVT2P-RIB	RR2	ACL250			X			
RK765VT2P	109	VT2P	RR2	ACL250				X		
RK782VT2P	109	VT2P	RR2	A500PV		X			X	
RK821SSTX	111	SSX	RR2	A500PV			</td			

Table 12. Entrant Information. *Continued*

Titan Pro: Titan Pro SCI, Inc., Clear Lake, IA

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
11-11	111	None	None	ACL250				X	X	
12-12 2P	112	VT2P-RIB	LL,RR2	ACL250				X		
18-12 SS	112	SSX-RIB	LL,RR2	ACL250					X	
20-05	105	None	None	ACL250	X					
20-99	99	None	None	ACL250	X					
22-00 2P	100	VT2P-RIB	RR2	ACL250	X		X			
24-04	104	None	None	ACL250	X		X			
26-00	100	None	None	ACL250	X					
26-03 5222	103	V5222-RIB	LL,RR2	ACL250	X					
84-01	101	None	None	ACL250	X					
92-09	109	None	None	ACL250		X	X			
94-09 2P	109	VT2P-RIB	RR2	ACL250			X			

www.titanprosci.com

(641) 357-7283

Viking: Albert Lea Seed House, Albert Lea, MN

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
46-02	102	None	None	C250	X					
48-08	108	None	None	C250		X	X			
51-04	104	None	None	C250		X				
52-00	100	None	None	C250	X					
58-11	111	None	None	C250				X		
72-06	106	None	None	C250		X	X			
84-05	105	None	None	C250		X	X			
99-00	100	None	None	C250	X		X			
0.18-06UP	106	None	None	C250		X	X			

www.alseed.com

(800) 352-5247

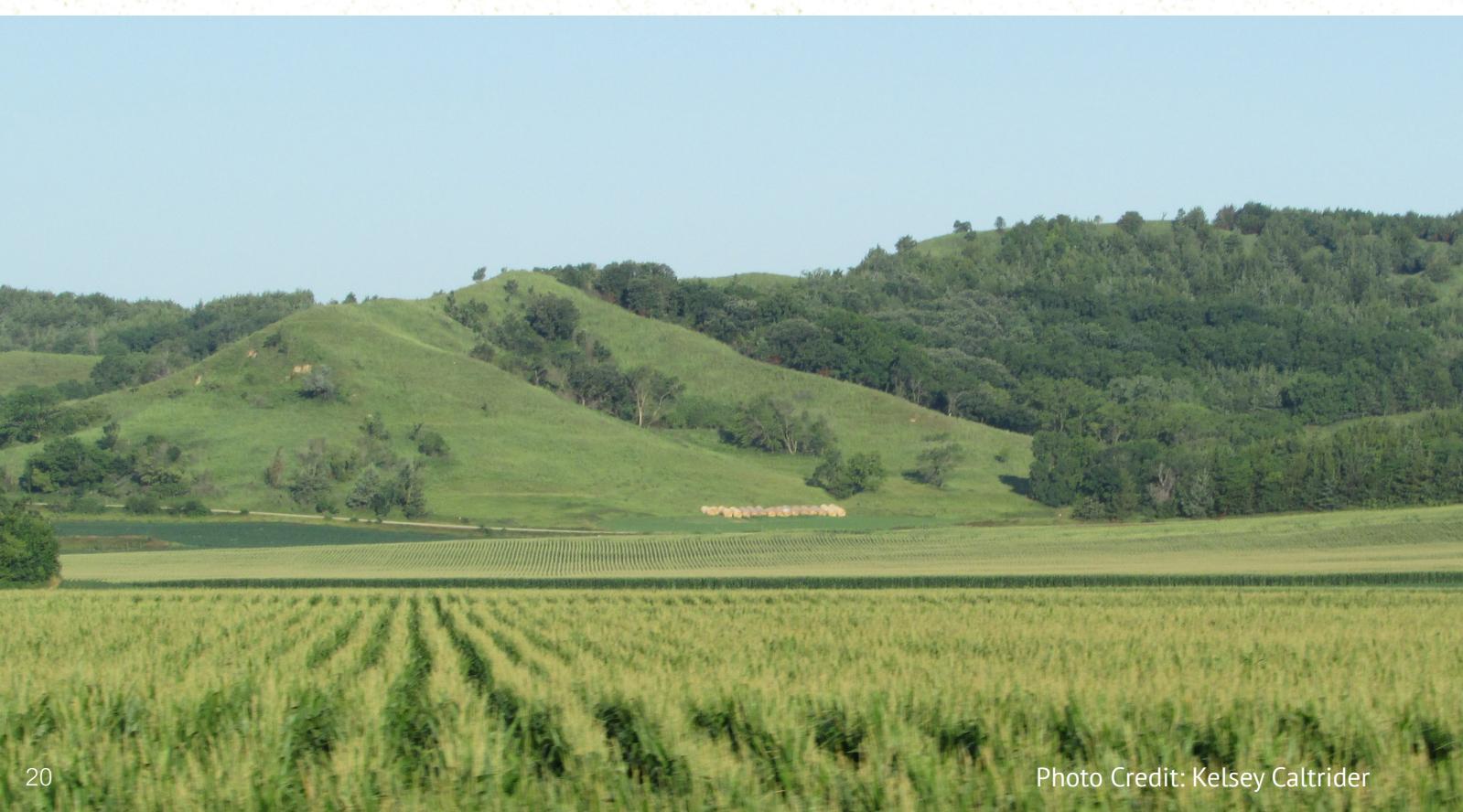


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A summary of replicated research by Iowa Crop Improvement Association.