2020

CORN

Iowa Crop Performance Tests

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 101st 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.

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.

Pictured below (left to right): Adam Meier, Cade Vanvliet, Doan Schmitz, Carol Cornelious, Graydon Marzen, Ryan Budnik, Tyler Hutchinson

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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.**
- For questions or comments contact:

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Figure 1.

Test locations for the 2020 Iowa Crop Performance Tests—Corn

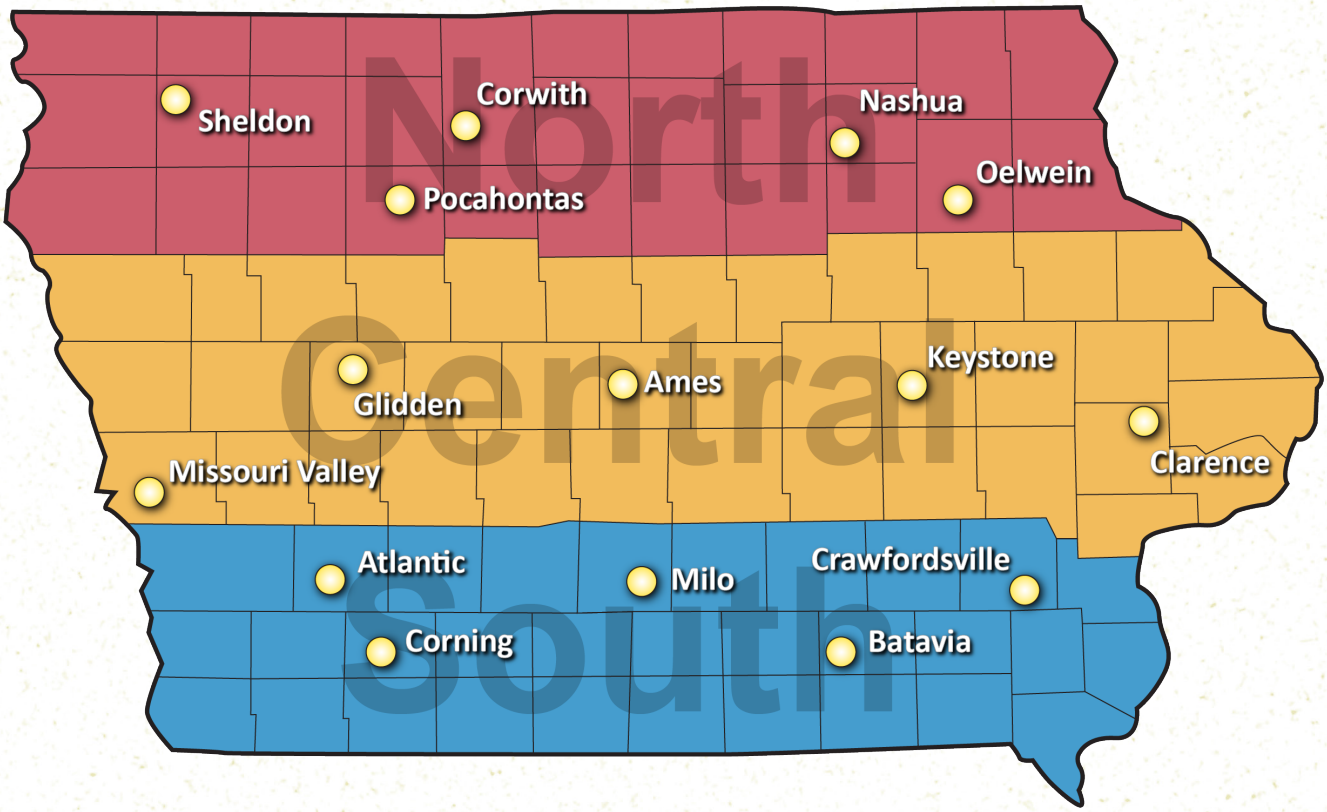

Table 1. General information for the 2020 corn test.

Location and Cooperator	Soil Type	Planting Date	Harvest Date	Avg Yield Bu/Acre
North				
Sheldon, Daryl Roos	Primghar/Galva silty clay loam	22-Apr	2-Oct	224.9
Pocahontas, John Schott	Nicollet/Webster/Canisteo clay loam, Okoboji silty clay	23-Apr	28-Sep	186.4
Corwith, Norm & Jonathan Chambers	Kossuth silty clay loam, Canisteo clay loam	24-Apr	7-Oct	196.9
Nashua, Ken Pecinovsky	Readlyn silt loam, Kenyon loam	21-Apr	8-Oct	190.8
Oelwein, Heath Geiselman	Readlyn silt loam	27-Apr	8-Oct	217.9
Central				
Missouri Valley, Dean McIntosh	Kennebec silt loam	28-Apr	1-Oct	218.3
Glidden, David Theilen	Clarion loam, Bemis moraine, Nicollet loam	1-May	Discard	N/A
Ames, Kevin Scholbrock	Canisteo clay loam, Clarion clay loam	27-Apr	Discard	N/A
Keystone, Dennis & Steve Pohlman	Tama/Muscatine silty clay loam	4-May	Discard	N/A
Clarence, Dave Elijah	Tama/Muscatine silty clay loam	1-May	Discard	N/A
South				
Atlantic, Nick Hunt	Corley-Minden complex	2-May	9-Oct	217.6
Corning, David Fuller	Winterset silty clay loam	24-Apr	7-Oct	211.4
Milo, Craig & Adam Hill	Givin silt loam	27-Apr	29-Sep	234.2
Batavia, Pat Hammes	Taintor silty clay loam	24-Apr	30-Sep	177.5
Crawfordsville, Cody Schneider	Mahaska silty clay loam	29-Apr	1-Oct	230.7

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

GMO Trait Package

AM	Optimum AQUAMax
AMXT	Optimum AcreMax XTreme
CB	Agrisure CornBorer
DGVT2P	Genuity DroughtGard + VT2P
GT3K	Agrisure 3000GT
Opt-L	Optimum AcreMax Leptra
Qrome	Qrome
SSX	SmartStax
TRC	Trecepta
V3110	Viptera 3110
V3120	Viptera 3120
V3220	Viptera 3220
V5122A	Viptera 5122 Agrisure Artesian
V5122	Viptera 5122
V5222	Viptera 5222
VT2P	YieldGard VT Double PRO
–RIB	Refuge-in-bag

Herb Tech: Herbicide Technology

GT	Agrisure Glyphosate Tolerant
LL	Liberty Link
RR2	Roundup Ready

Seed Treatment

A500PV	Acceleron 500/Poncho/VOTiVO
ACL250	Acceleron @ 0.250 mg ai / seed
AV250+Vib	Avicta 250 + Vibrance
AV500+Vib	Avicta 500 + Vibrance
C250	Cruiser @ 0.250 mg ai / seed
CEP	Cruiser Extreme Pak
LMGN	LumiGEN
MX-D	Maxim XL + Dynasty
MX-QT	Maxim + Quattro
Other	P500 + B360 + EDC
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 $3.75 and drying costs of 4 cents per point

This year we evaluated over 175 hybrids from 16 companies in nearly 250 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, 2019 -2020.

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 $
Four Star	6D22	102	VT2P	RR2	214.7	17.1	207.8	219.4	761
Titan Pro	92-99 2P	99	VT2P-RIB	RR2	211.5	16.6	208.7	210.3	753
Cornelius	C385DP	103	VT2P	RR2	210.2	17.1	205.1	214.3	744
Four Star	6S30	103	SSX-RIB	LL,RR2	208.3	18.4	202.6	211.8	726
Four Star	6D18	100	VT2P-RIB	RR2	207.2	16.6	199.6	213.0	738
Renk	RK593VT2P	96	VT2P	RR2	206.5	16.7	200.3	211.2	735
Renk	RK642VT2P	103	VT2P	RR2	205.8	17.2	200.3	210.7	728
NuTech/G2 Genetics	5F-601AM	101	AM	LL,RR2	205.4	17.5	198.2	210.5	724
Viking	99-00	100	None	None	205.1	17.3	201.9	207.7	724
Pioneer	P0157AM	101	AM	LL,RR2	204.0	18.1	197.2	209.7	714
Viking	O.46-02	102	None	None	203.8	17.5	196.8	207.0	718
Four Star	6S19	102	VT2P	RR2	203.5	17.0	199.4	206.4	722
Renk	RK579DGVT2P	98	DGVT2P-RIB	RR2	203.1	16.9	202.9	201.1	721
Pioneer	P0306AM	103	AM	LL,RR2	203.1	18.1	194.4	208.8	711
DEKALB	DKC52-35RIB	102	VT2P-RIB	RR2	202.9	17.2	197.4	206.9	717
Viking	55-02	102	None	None	201.8	18.7	194.3	202.8	701
DEKALB	DKC49-45RIB	99	VT2P-RIB	RR2	201.2	17.0	195.6	203.6	714
Experiment Mean					**202.2**	**17.5**	**196.1**	**206.2**	
LSD(0.25)					**6.3**	**0.3**	**8.3**	**8.3**	

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 $
Pioneer	P0977AM	109	AM	LL,RR2	224.0	20.4	216.6	222.8	761
Cornelius	C575DP	109	VT2P	RR2	223.7	20.0	220.3	223.6	764
Prairie Hybrids	3259	105	None	None	220.1	18.8	216.5	220.7	764
Four Star	6D47	109	VT2P-RIB	RR2	219.8	19.8	210.5	223.8	753
Viking	84-05	105	None	None	218.7	18.8	213.9	219.6	759
Renk	RK765VT2P	108	VT2P	RR2	218.7	20.0	212.4	222.1	747
DEKALB	DKC54-65RIB	104	VT2P-RIB	RR2	217.4	17.7	211.6	217.6	764
Four Star	EXP 9102	109	VT2P	RR2	216.9	20.8	211.7	218.2	733
NuTech/G2 Genetics	5FB-8808AM	108	AM	LL,RR2	215.2	20.9	209.4	214.2	726
Viking	42-05	105	None	None	215.1	19.2	209.4	217.6	742
Renk	RK710DGVT2P	106	DGVT2P-RIB	RR2	213.5	19.3	209.1	212.6	736
Viking	O.18-06	106	None	None	213.3	18.4	208.0	216.0	743
Titan Pro	96-06 2P	106	VT2P-RIB	RR2	212.5	18.5	206.9	216.0	740
Cornelius	C478DP	105	VT2P	RR2	212.4	18.5	207.7	213.1	740
Cornelius	C577SS	109	SSX	RR2	212.0	20.6	201.8	216.3	718
NuTech/G2 Genetics	5FB-9909AM	109	AM	LL,RR2	210.0	21.4	198.6	215.9	704
Four Star	6S37	107	SSX-RIB	LL,RR2	207.4	19.3	202.5	209.8	715
NuTech/G2 Genetics	65H2Q	105	Qrome	LL,RR2	206.1	18.7	200.6	210.9	716
Four Star	6D41	107	VT2P-RIB	RR2	201.4	19.5	195.2	201.2	692
Prairie Hybrids	5787	108	None	None	198.3	19.3	188.6	198.8	683
Viking	51-04	104	None	None	198.0	19.1	191.8	199.7	684
Viking	48-08	108	None	None	197.1	19.3	190.0	195.8	679
NuTech/G2 Genetics	68B3AML	108	Opt-L	LL,RR2	193.1	20.6	186.4	188.7	654
Prairie Hybrids	5141ORG	108	None	None	190.9	21.0	187.2	191.1	644
Experiment Mean					**205.8**	**19.8**	**199.8**	**207.0**	
LSD(0.25)					**6.7**	**0.6**	**8.6**	**8.6**	

Table 4. Central district 2-year means, 2019-2020.

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 $
Four Star	EXP 9102	109	VT2P	RR2	243.9	20.5	235.1	246.3	828
Titan Pro	94-09 2P	109	VT2P-RIB	LL,RR2	237.1	20.3	224.9	241.2	807
NuTech/G2 Genetics	68B3AML	108	Opt-L	LL,RR2	236.9	19.9	228.5	235.2	810
NuTech/G2 Genetics	5FB-9909AM	109	AM	LL,RR2	236.9	19.2	231.4	233.1	817
Miller Hybrids	M09-01	108	None	None	235.6	20.2	226.0	233.5	803
NuTech/G2 Genetics	5FB-8808AM	108	AM	LL,RR2	235.1	19.4	229.6	227.1	809
Cornelius	C575DP	109	VT2P	RR2	233.4	19.0	230.1	228.8	808
Prairie Hybrids	5141ORG	108	None	None	230.4	19.8	218.6	234.2	789
Pioneer	P0977AM	109	AM	LL,RR2	230.2	19.8	220.7	230.0	788
DuraCrop	3087 VT2P	108	VT2P	RR2	229.1	19.6	222.5	229.0	786
Prairie Hybrids	5787	108	None	None	229.1	19.8	221.0	229.6	785
Viking	84-05	105	None	None	227.7	18.3	219.1	227.7	795
Renk	RK765VT2P	108	VT2P	RR2	224.9	18.6	220.6	219.0	782
Prairie Hybrids	3259	105	None	None	224.9	18.2	220.8	223.1	786
Renk	RK710DGVT2P	106	DGVT2P-RIB	RR2	224.6	18.6	217.4	222.9	781
Viking	48-08	108	None	None	223.0	20.1	212.5	226.5	761
Four Star	6D47	109	VT2P-RIB	RR2	222.9	19.5	216.4	219.6	767
DEKALB	DKC54-65RIB	104	VT2P-RIB	RR2	221.7	18.0	210.6	220.5	776
NuTech/G2 Genetics	65H2Q	105	Qrome	LL,RR2	220.4	18.7	210.5	220.1	765
Four Star	6D41	107	VT2P-RIB	RR2	219.8	19.0	217.4	214.1	761
Blue River	57A30	107	None	None	216.2	19.3	206.1	216.8	745
Four Star	6S37	107	SSX-RIB	LL,RR2	214.7	18.5	211.1	211.8	748
Titan Pro	96-06 2P	106	VT2P-RIB	RR2	210.0	18.4	205.8	207.4	732
Experiment Mean					**224.4**	**19.3**	**216.6**	**225.1**	
LSD(0.25)					**9.4**	**0.5**	**9.4**	**9.4**	

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 $
Titan Pro	TP 70-12	112	None	None	230.4	21.2	220.5	233.1	775
Renk	RK937VT2P	113	VT2P	RR2	229.6	19.4	222.0	227.6	790
DEKALB	DKC61-41RIB	111	VT2P-RIB	RR2	228.8	19.8	219.2	227.7	784
Cornelius	7228VT2P	112	VT2P	RR2	227.5	19.3	219.4	219.9	784
Prairie Hybrids	6878	112	None	None	226.0	21.1	216.3	228.0	761
DuraCrop	3124 DG2P	112	DGVT2P-RIB	RR2	225.3	20.9	216.9	224.5	760
DuraCrop	3135 VT2P	113	VT2P	RR2	224.9	19.5	214.2	227.4	773
Cornelius	C7366DGDP	113	VT2P	RR2	223.4	20.0	217.3	215.1	763
NuTech/G2 Genetics	5FB-2213AM	113	AM	LL,RR2	223.0	20.5	215.8	216.0	756
Cornelius	C7125DP	111	VT2P	RR2	222.1	20.4	211.1	215.0	755
Prairie Hybrids	8759	114	None	None	221.1	21.3	215.9	217.4	742
Miller Hybrids	M13-81	113	None	None	219.1	21.0	212.2	216.9	739
Renk	RK807SSTX	111	SSX	LL,RR2	219.1	20.2	213.8	212.1	746
DuraCrop	3126 GT3	112	GT3K	GT, LL	217.6	20.5	216.6	213.6	738
Prairie Hybrids	8290	114	None	None	213.3	24.4	211.7	199.0	684
Golden Harvest	G13T41-3120	113	V3120-RIB	GT, LL	212.3	22.4	205.8	210.1	701
Viking	O.74-10	110	None	None	211.2	20.0	201.8	214.8	721
Blue River	62G22	110	None	None	206.4	19.6	197.8	205.9	708
Experiment Mean					**220.2**	**20.4**	**213.7**	**213.0**	
LSD(0.25)					**10.7**	**0.6**	**11.0**	**11.0**	

Table 5. South district 2-year means, 2019-2020.

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	5FB-9909AM	109	AM	LL,RR2	217.8	17.4	221.5	222.7	768
DEKALB	DKC59-82RIB	109	VT2P-RIB	RR2	216.6	17.4	225.1	223.8	764
Titan Pro	TP 70-12	112	None	None	215.6	18.9	229.7	222.9	747
Four Star	EXP 9102	109	VT2P	RR2	214.1	18.0	223.1	216.7	750
DEKALB	DKC61-41RIB	111	VT2P-RIB	RR2	213.4	17.8	224.0	216.6	749
Cornelius	C7125DP	111	VT2P	RR2	211.6	18.0	220.7	215.3	741
NK Brand	NK1205-3120	112	V3120-RIB	GT, LL	207.9	18.7	216.9	213.0	722
Renk	RK807SSTX	111	SSX	LL,RR2	206.8	18.3	219.5	203.4	722
Four Star	6D47	109	VT2P-RIB	RR2	205.2	17.4	213.3	207.9	724
DuraCrop	3098 VT2P	109	VT2P	RR2	201.3	17.3	207.4	209.9	711
Experiment Mean					**208.5**	**18.1**	**216.7**	**212.0**	
LSD(0.25)					**8.4**	**0.4**	**8.8**	**8.8**	

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 $
DEKALB	DKC66-18RIB	116	VT2P-RIB	RR2	219.6	20.2	229.2	224.3	748
DuraCrop	3150 VT2P	115	VT2P	RR2	213.6	20.7	225.1	216.1	723
DuraCrop	3135 VT2P	113	VT2P	RR2	212.8	17.8	226.2	219.2	747
Renk	RK945DGVT2P	115	DGVT2P-RIB	RR2	212.5	20.0	223.0	208.6	726
NuTech/G2 Genetics	5FB-2213AM	113	AM	LL,RR2	210.8	19.2	222.5	212.2	728
DEKALB	DKC63-57RIB	113	VT2P-RIB	RR2	209.7	18.7	221.2	211.5	728
Prairie Hybrids	8759	114	None	None	207.5	19.5	218.4	213.2	713
Pioneer	P1563AM	115	AM	LL,RR2	204.6	19.9	215.5	208.5	700
Pioneer	P1366AM	113	AM	LL,RR2	201.4	18.5	209.8	208.4	701
Prairie Hybrids	8290	114	None	None	196.7	21.9	207.3	193.9	654
Experiment Mean					**208.3**	**19.7**	**217.6**	**210.3**	
LSD(0.25)					**8.0**	**0.5**	**8.9**	**8.9**	

Table 6. North district, 2020 district and single-location means. Early-season test, RM ≤ 103.

				District Means					Single Location Yield				
Company	Hybrid	Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Sheldon	Pocahontas	Corwith	Nashua	Oelwein
Pioneer	P0306AM	AM	LL,RR2	214.4	208.5	215.0	16.7	843	227.4	192.9	205.4	201.4	238.3
NuTech/G2 Genetics	62A8Q	Qrome	LL,RR2	213.0	208.6	216.9	16.2	841	226.6	186.3	212.8	212.9	225.0
Four Star	6D22	VT2P	RR2	211.7	209.2	215.9	15.7	840	226.4	184.0	217.1	211.5	219.3
Pioneer	P0157AM	AM	LL,RR2	211.2	208.7	214.6	16.6	831	227.7	183.5	215.0	206.2	222.6
Cornelius	C6209DP	VT2P	RR2	211.2	214.2	209.3	15.6	840	235.1	191.9	215.6	204.6	207.8
Cornelius	C6219SS	SSX	RR2	211.0	210.1	215.2	16.1	834	224.3	186.7	219.3	194.4	232.0
NuTech/G2 Genetics	58B1Q	Qrome	LL,RR2	210.6	210.8	213.6	15.9	835	211.7	202.2	218.3	203.7	218.7
DuraCrop	3007 VT2P	VT2P	RR2	210.2	211.7	207.3	15.4	837	234.4	190.7	210.1	208.0	203.9
Renk	RK600SSTX	SSX-RIB	RR2	208.2	210.6	213.3	15.7	827	221.6	186.3	223.9	199.5	216.5
Cornelius	C385DP	VT2P	RR2	208.2	208.6	210.5	15.8	826	227.0	184.4	214.4	201.5	215.5
DEKALB	DKC51-98 RIB	SSX-RIB	LL,RR2	208.0	206.6	207.9	15.7	826	224.7	189.5	205.6	204.3	213.7
Four Star	6D18	VT2P-RIB	RR2	207.2	207.3	210.7	15.2	827	219.5	185.0	217.5	202.5	211.9
Viking	99-00	None	None	205.9	209.5	202.7	16.0	815	235.4	184.4	208.6	202.6	196.7
Four Star	6S30	SSX-RIB	LL,RR2	205.9	203.7	207.5	17.1	806	226.7	183.1	201.4	195.1	226.1
NuTech/G2 Genetics	5F-601AM	AM	LL,RR2	205.8	203.4	207.6	16.1	814	223.3	181.9	204.9	201.4	216.5
Viking	52-00	None	None	205.3	200.6	209.9	15.0	821	224.1	169.7	208.0	210.1	211.6
NuTech/G2 Genetics	E57C1CYFR	Qrome	LL,RR2	204.8	208.6	202.0	16.0	811	216.6	202.9	206.2	187.5	212.4
Viking	55-02	None	None	204.1	200.8	201.9	17.3	797	213.0	196.0	193.4	203.7	208.6
Titan Pro	86-96 2P	VT2P-RIB	RR2	203.6	209.1	205.1	15.3	812	224.3	182.1	220.9	200.6	193.8
NuTech/G2 Genetics	63C4Q	Qrome	LL,RR2	203.4	199.3	204.7	16.7	800	213.9	187.2	196.8	196.1	221.1
Titan Pro	84-01	None	None	203.0	204.1	205.6	16.1	803	225.5	174.3	212.6	194.4	209.8
NuTech/G2 Genetics	5F196AM	AM	LL,RR2	202.6	201.0	208.3	15.2	808	221.2	170.2	211.5	193.5	219.8
Titan Pro	92-99 2P	VT2P-RIB	RR2	202.0	205.1	199.5	15.3	806	219.9	192.4	203.0	194.1	201.6
Renk	RK593VT2P	VT2P	RR2	201.1	201.4	202.8	15.3	802	217.9	180.4	206.0	202.5	199.7
Renk	RK642VT2P	VT2P	RR2	201.0	197.4	204.7	15.9	796	223.4	164.8	203.8	197.2	213.0
Four Star	6S19	VT2P	RR2	200.8	200.6	198.4	15.4	800	221.7	186.1	193.9	192.1	209.1
NuTech/G2 Genetics	56A7Q	Qrome	LL,RR2	198.8	198.9	198.7	15.9	788	211.9	184.5	200.3	190.2	205.5
Renk	RK579DGVT2P	DGVT2P-RIB	RR2	198.4	205.2	192.8	15.3	791	222.8	192.3	200.4	192.6	185.3
DEKALB	DKC52-35RIB	VT2P-RIB	RR2	197.0	194.0	199.6	15.9	781	203.7	183.6	194.7	193.2	210.9
Titan Pro	22-00 2P	VT2P-RIB	RR2	197.0	197.3	194.6	16.2	778	219.7	179.6	192.6	189.1	202.0
DEKALB	DKC49-45RIB	VT2P-RIB	RR2	195.6	197.3	192.7	15.8	776	221.1	177.3	193.5	192.6	192.2
Titan Pro	26-00	None	None	195.1	199.9	192.1	16.9	766	213.0	184.4	202.4	175.1	198.9
NuTech/G2 Genetics	57B3AM	AM	LL,RR2	194.6	190.6	198.4	15.8	772	208.3	171.5	192.1	188.0	215.0
Renk	RK695GTCBLLBL	V3110	GT, LL	193.9	193.3	192.9	16.7	762	208.0	176.5	195.4	178.9	204.3
Blue River	42C87	None	None	192.7	192.1	191.8	16.2	762	218.6	168.2	189.5	186.4	199.3
Viking	O.46-02	None	None	191.4	191.9	192.4	16.5	754	215.7	167.9	192.1	192.8	192.2
NK Brand	NK0243-5122	V5122-RIB	GT, LL	190.7	191.6	188.2	16.2	753	205.5	185.3	184.2	185.3	195.0
Golden Harvest	G02K39-5122	V5122-RIB	GT, LL	185.8	185.3	186.7	16.1	735	197.1	175.2	183.6	178.6	197.7
NK Brand	NK9991-5122 EZ1	V5122-RIB	GT, LL	185.1	179.7	188.9	16.5	729	202.5	158.7	177.9	182.8	205.9
Golden Harvest	G03R40-5222	V5222-RIB	GT, LL	179.3	179.7	177.4	17.3	700	198.7	166.6	173.8	159.4	199.1
Golden Harvest	G00H12-5122	V5122-RIB	GT, LL	178.1	176.1	175.0	16.9	699	194.4	171.6	162.3	150.9	211.8
Titan Pro	26-03 5222	V5222-RIB	LL,RR2	177.2	177.0	171.4	17.6	690	205.2	166.0	159.6	162.6	192.0
Experiment Mean				**200.6**	**200.2**	**201.1**	**16.1**	**794**	**218.1**	**181.6**	**201.0**	**193.3**	**208.9**
Minimum Mean				**177.2**	**176.1**	**171.4**	**15.0**	**690**	**194.4**	**158.7**	**159.6**	**150.9**	**185.3**
Maximum Mean				**214.4**	**214.2**	**216.9**	**17.6**	**843**	**235.4**	**202.9**	**223.9**	**212.9**	**238.3**
LSD(0.25)				**6.3**	**7.6**	**8.7**	**0.3**		**6.8**	**9.9**	**9.0**	**5.7**	**9.6**
Coefficient of Variability				**4.7**	**4.7**	**4.7**			**3.4**	**5.9**	**4.8**	**3.2**	**5.6**

Table 7. North district, 2020 district and single-location means. Full-season test, RM > 103.

				District Means					Single Location Yield				
Company	Hybrid	Trait Pkg	Herb Tech	Yield Bu/A	NW Yield	NE Yield	Moist %	AGV $	Sheldon	Pocahontas	Corwith	Nashua	Oelwein
Pioneer	P0977AM	AM	LL,RR2	225.3	222.8	221.2	19.9	855	255.0	208.9	204.6	213.1	246.0
Four Star	6D47	VT2P-RIB	RR2	224.6	220.8	221.9	18.5	866	249.8	206.9	205.7	212.1	247.9
Renk	RK765VT2P	VT2P	RR2	222.8	217.7	225.1	19.6	848	244.6	196.3	212.2	215.7	247.3
Cornelius	C575DP	VT2P	RR2	221.8	223.4	215.7	19.5	845	251.3	206.8	212.0	205.0	230.1
Hi Fidelity Genetics	HFG1071	None	None	221.3	228.7	219.4	17.5	863	251.0	203.8	231.4	208.5	218.5
Prairie Hybrids	3259	None	None	218.9	220.2	215.8	18.0	848	242.8	202.1	215.6	207.8	224.0
NuTech/G2 Genetics	5FB-8808AM	AM	LL,RR2	218.7	219.6	213.4	20.2	826	240.3	210.1	208.5	197.5	234.0
Viking	84-05	None	None	218.4	216.6	217.4	17.7	850	238.7	197.2	213.8	208.6	229.9
DEKALB	DKC59-82RIB	VT2P-RIB	RR2	216.8	212.3	215.1	20.3	819	242.2	195.3	199.3	207.9	237.9
Four Star	EXP 9102	VT2P	RR2	216.3	216.8	215.6	19.8	821	242.7	196.7	210.9	198.9	237.1
Hi Fidelity Genetics	EXP2025	None	None	216.2	219.6	213.6	18.1	837	240.9	200.2	217.9	200.2	222.9
DEKALB	DKC58-64RIB	SSX-RIB	LL,RR2	216.1	212.4	218.2	19.4	825	230.0	195.3	212.0	202.5	240.1
DEKALB	DKC54-65RIB	VT2P-RIB	RR2	213.8	212.9	212.4	16.4	843	239.0	193.3	206.2	202.8	228.1
NuTech/G2 Genetics	5FB-9909AM	AM	LL,RR2	213.7	208.5	213.3	20.9	801	234.6	193.3	197.5	199.6	242.9
Renk	RK710DGVT2P	DGVT2P-RIB	RR2	213.4	212.0	210.0	18.4	823	238.9	195.8	201.2	197.0	231.7
Titan Pro	96-06 2P	VT2P-RIB	RR2	213.3	211.7	215.4	17.1	835	226.8	192.8	215.5	199.9	230.8
Titan Pro	82-04 2P	VT2P-RIB	RR2	212.8	214.5	212.1	17.0	834	239.5	190.3	213.6	202.5	220.3
Viking	42-05	None	None	212.8	214.3	211.5	18.0	825	239.9	194.3	208.6	205.9	219.9
NuTech/G2 Genetics	68A7AM	AM	LL,RR2	211.8	206.1	207.7	21.1	792	236.8	203.8	177.8	194.2	251.1
Titan Pro	92-09	None	None	211.7	207.1	210.6	19.8	804	219.7	206.3	195.4	216.0	220.4
Renk	RK726H	VT2P	RR2	211.5	217.8	201.2	18.6	815	242.5	208.8	202.0	194.1	207.6
Cornelius	C478DP	VT2P	RR2	211.1	209.6	208.9	17.1	826	232.4	192.4	204.0	198.7	224.1
NuTech/G2 Genetics	64D1YHR	AM	LL,RR2	210.8	209.1	209.7	18.1	816	230.9	197.0	199.3	191.2	238.6
Viking	O.18-06	None	None	210.2	209.2	209.4	17.3	822	237.1	184.6	205.8	200.2	222.2
Titan Pro	24-04	PC-RIB	RR	210.1	211.9	202.6	18.6	809	237.9	208.6	189.4	196.3	222.0
Pioneer	P0574AMXT	AMXT	LL,RR2	209.5	201.3	210.5	19.2	801	231.1	186.5	186.2	213.0	232.2
NuTech/G2 Genetics	65H2Q	Qrome	LL,RR2	209.5	212.0	205.5	17.4	817	238.6	193.2	204.1	194.1	218.3
Cornelius	C577SS	SSX	RR2	209.1	202.6	207.7	19.8	794	227.6	192.7	187.4	189.9	245.7
Titan Pro	94-09 2P	VT2P-RIB	LL,RR2	208.8	203.6	209.2	21.8	774	231.4	187.2	192.3	191.1	244.2
Four Star	EXP 2110	VT2P-RIB	RR2	208.3	210.0	206.1	17.0	816	240.3	181.6	208.1	182.3	227.9
DEKALB	DKC55-54RIB	VT2P-RIB	RR2	208.1	212.8	206.2	17.2	814	243.3	183.1	212.0	188.4	218.1
Four Star	6S37	SSX-RIB	LL,RR2	207.2	211.6	204.4	18.2	802	226.5	199.0	209.4	191.0	212.9
Prairie Hybrids	5900	None	None	205.7	209.3	203.3	20.7	773	229.5	190.9	207.5	185.1	217.4
Titan Pro	23-06 SS	SSX-RIB	LL,RR2	205.7	202.5	202.2	17.8	799	227.2	194.4	186.1	187.6	233.0
Viking	51-04	None	None	198.3	199.5	190.0	18.3	766	230.7	189.7	178.0	182.7	209.2
Renk	RK700SSTX	SSX	RR2	197.5	196.0	196.1	20.0	748	228.9	170.9	188.2	182.7	217.5
Four Star	6D41	VT2P-RIB	RR2	197.4	192.9	197.0	18.5	761	214.6	183.8	180.3	176.0	234.6
Blue River	54C27	None	None	196.6	198.5	187.5	18.6	757	216.9	203.2	175.5	173.5	213.5
NK Brand	NK0821-5122A	V5122A-RIB	GT, LL	196.5	196.0	192.4	21.4	732	232.1	171.9	184.1	175.9	217.2
Prairie Hybrids	5787	None	None	195.9	189.8	188.0	17.6	763	218.6	194.0	156.8	164.1	243.0
NK Brand	NK0886-5122	V5122-RIB	GT, LL	195.6	194.2	191.7	20.5	736	224.6	178.2	179.6	167.5	227.9
Golden Harvest	G06Q68-5222	V5222-RIB	GT, LL	195.5	193.5	190.1	18.0	758	212.2	194.1	174.3	174.2	221.7
Hi Fidelity Genetics	HFG1081	None	None	194.6	192.1	189.5	17.6	757	216.7	184.7	174.9	165.5	228.3
Golden Harvest	G08D29-3120	V3120-RIB	GT, LL	194.4	198.0	187.4	19.5	741	226.3	185.3	182.4	182.3	197.5
Viking	48-08	None	None	194.3	190.6	188.7	17.8	755	219.8	184.4	167.5	166.4	232.1
Golden Harvest	G09Y24-5222A	V5222-RIB	GT, LL	194.0	189.7	190.5	21.4	722	216.3	180.2	172.7	164.5	234.4
NuTech/G2 Genetics	68B3AML	Opt-L	LL,RR2	192.1	186.7	179.4	19.5	732	230.5	185.6	144.1	155.3	238.9
Miller Hybrids	M07-02	None	None	185.0	182.7	179.4	19.1	708	219.2	166.4	162.5	151.8	223.8
Prairie Hybrids	4850	None	None	184.9	184.4	178.0	18.8	711	221.9	171.6	159.8	158.0	216.3
Prairie Hybrids	5141ORG	None	None	184.4	186.4	177.9	20.8	692	219.7	170.2	169.4	155.8	208.6
DuraCrop	3072 VT2P	VT2P	RR2	184.2	184.8	177.3	18.9	707	222.0	165.0	167.5	158.0	206.5
Blue River	57A30	None	None	172.9	175.6	164.9	19.2	661	199.9	171.2	155.6	132.8	206.4
Experiment Mean				**206.2**	**205.2**	**202.7**	**18.9**	**791**	**231.8**	**191.2**	**192.8**	**188.2**	**227.0**
Minimum Mean				**172.9**	**175.6**	**164.9**	**16.4**	**661**	**199.9**	**165.0**	**144.1**	**132.8**	**197.5**
Maximum Mean				**225.3**	**228.7**	**225.1**	**21.8**	**866**	**255.0**	**210.1**	**231.4**	**216.0**	**251.1**
LSD(0.25)				**7.9**	**9.1**	**12.2**	**0.7**		**8.5**	**8.9**	**9.9**	**5.9**	**11.1**
Coefficient of Variability				**4.8**	**4.8**	**5.0**			**4.1**	**5.2**	**5.4**	**3.4**	**5.6**

Table 8. Central district, 2020 single-location means. Early-season test, RM ≤ 109.

Early Season - **Missouri Valley**

Company	Hybrid	Trait Pkg	Herb Tech	Yield Bu/A	Yield % of Mean	Moist %
NuTech/G2 Genetics	5FB-8808AM	AM	LL,RR2	234.7	108.9	15.2
DEKALB	DKC59-82RIB	VT2P-RIB	RR2	233.2	108.3	15.6
NuTech/G2 Genetics	68A7AM	AM	LL,RR2	232.8	108.1	15.2
NuTech/G2 Genetics	5FB-9909AM	AM	LL,RR2	231.4	107.4	15.0
NuTech/G2 Genetics	68B3AML	Opt-L	LL,RR2	231.0	107.2	15.5
Four Star	EXP 9102	VT2P	RR2	229.6	106.6	15.1
DEKALB	DKC55-54RIB	VT2P-RIB	RR2	228.0	105.8	14.2
Pioneer	P0977AM	AM	LL,RR2	226.4	105.1	15.6
Four Star	EXP 2110	VT2P-RIB	RR2	225.9	104.8	14.3
DEKALB	DKC56-15RIB	TRC-RIB	RR2	224.9	104.4	14.8
Renk	RK700SSTX	SSX	RR2	224.8	104.3	14.7
Prairie Hybrids	3259	None	None	222.5	103.2	14.7
Viking	84-05	None	None	222.3	103.2	14.7
Titan Pro	94-09 2P	VT2P-RIB	LL,RR2	222.1	103.1	13.8
Hi Fidelity Genetics	HFG1071	None	None	222.1	103.1	14.7
Prairie Hybrids	5787	None	None	221.2	102.7	14.6
Miller Hybrids	M09-01	None	None	221.1	102.6	15.1
Cornelius	C575DP	VT2P	RR2	221.0	102.6	15.3
NuTech/G2 Genetics	65H2Q	Qrome	LL,RR2	218.6	101.5	14.7
Renk	RK710DGVT2P	DGVT2P-RIB	RR2	218.5	101.4	15.1
DuraCrop	3100 VT2P	VT2P	RR2	218.4	101.4	14.6
Four Star	6D47	VT2P-RIB	RR2	218.1	101.2	15.2
Hi Fidelity Genetics	HFG1081	None	None	217.8	101.1	14.8
Pioneer	P0574AMXT	AMXT	LL,RR2	217.3	100.9	14.5
NK Brand	NK0821-5122A	V5122A-RIB	GT, LL	217.2	100.8	16.0
DEKALB	DKC58-64RIB	SSX-RIB	LL,RR2	217.1	100.8	15.1
Hi Fidelity Genetics	HFG1092	None	None	217.1	100.7	15.3
Renk	RK765VT2P	VT2P	RR2	216.7	100.6	14.7
Blue River	54C27	None	None	216.4	100.5	15.5
Four Star	6S37	SSX-RIB	LL,RR2	214.6	99.6	14.9
Cornelius	C6720DP	VT2P	RR2	214.4	99.5	15.0
Viking	48-08	None	None	213.8	99.3	14.6
DuraCrop	3072 VT2P	VT2P	RR2	213.8	99.2	14.9
Four Star	6D41	VT2P-RIB	RR2	213.7	99.2	14.6
Golden Harvest	G08D29-3120	V3120-RIB	GT, LL	212.7	98.7	14.8
Prairie Hybrids	5900	None	None	212.6	98.7	15.3
Titan Pro	82-04 2P	VT2P-RIB	RR2	212.1	98.5	14.3
NuTech/G2 Genetics	64D1YHR	AM	LL,RR2	211.9	98.4	14.9
DuraCrop	3087 VT2P	VT2P	RR2	211.9	98.4	15.3
Prairie Hybrids	5141ORG	None	None	210.4	97.6	15.4
NK Brand	NK0886-5122	V5122-RIB	GT, LL	208.8	96.9	15.7
Titan Pro	96-06 2P	VT2P-RIB	RR2	208.7	96.8	14.3
DEKALB	DKC54-65RIB	VT2P-RIB	RR2	208.3	96.7	14.2
Prairie Hybrids	4850	None	None	206.2	95.7	15.1
Golden Harvest	G09A86-3000GT	GT3K	GT, LL	204.4	94.9	14.9
Miller Hybrids	M10-74	None	None	204.4	94.8	17.0
Cappel Seed	4720	None	None	203.4	94.4	15.2
DuraCrop	1090 GT2V	V3110	GT, LL	203.0	94.2	15.6
Titan Pro	92-09	None	None	202.8	94.1	15.0
Viking	O.18-06	None	None	202.8	94.1	14.4
Blue River	57A30	None	None	201.3	93.4	14.7
Golden Harvest	G09Y24-5222A	V5222-RIB	GT, LL	199.3	92.5	15.6
Cornelius	C568-3220	V3220	RR2	197.7	91.8	15.6
Miller Hybrids	M10-66	None	None	194.7	90.4	15.9
Miller Hybrids	M09-54	None	None	194.5	90.3	15.4
Experiment Mean				**215.5**		**15.0**
Minimum Mean				**194.5**		**13.8**
Maximum Mean				**234.7**		**17.0**
LSD(0.25)				**7.6**		**0.5**
Coefficient of Variability				**4.0**		

The powerful derecho storm o
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Table 9. Central district, 2020 single-location means. Full-season test, RM > 109.

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os of the derecho aftermath:

Keystone

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Full Season - **Missouri Valley**

Company	Hybrid	Trait Pkg	Herb Tech	Yield Bu/A	Yield % of Mean	Moist %
Cornelius	7228VT2P	VT2P	RR2	237.7	107.5	15.4
NuTech/G2 Genetics	70F2Q	Qrome	LL,RR2	237.5	107.4	16.0
NuTech/G2 Genetics	70A8AM	AM	LL,RR2	234.3	106.0	16.0
Prairie Hybrids	8290	None	None	233.0	105.4	18.7
NuTech/G2 Genetics	E71H4AM	AM	LL,RR2	232.8	105.3	15.9
NuTech/G2 Genetics	E74C1AM	AM	LL,RR2	232.0	104.9	16.7
Golden Harvest	G10L16-5222A	V5222-RIB	GT, LL	231.4	104.7	16.9
Renk	RK882SSTX	SSX	RR2	230.2	104.2	16.1
NuTech/G2 Genetics	E74D3AM	AM	LL,RR2	230.1	104.1	16.7
NuTech/G2 Genetics	E71G6AM	AM	LL,RR2	230.0	104.1	16.3
DuraCrop	3126 GT3	GT3K	GT, LL	229.5	103.8	17.2
DEKALB	DKC60-80RIB	VT2P-RIB	RR2	229.3	103.7	15.8
Titan Pro	TP 70-12	None	None	227.7	103.0	16.6
NuTech/G2 Genetics	74B6AM	AM	LL,RR2	227.3	102.8	17.3
Hi Fidelity Genetics	HFG1111	None	None	227.1	102.8	15.2
NuTech/G2 Genetics	72B7CYFR	Qrome	LL,RR2	225.6	102.1	16.7
Pioneer	P1082AM	AM	LL,RR2	225.5	102.0	15.7
NuTech/G2 Genetics	5FB-2213AM	AM	LL,RR2	225.5	102.0	16.6
NK Brand	NK1188-5122	V5122-RIB	GT, LL	225.3	101.9	16.9
Renk	RK937VT2P	VT2P	RR2	224.7	101.6	15.5
DuraCrop	3124 DG2P	DGVT2P-RIB	RR2	224.6	101.6	16.0
Miller Hybrids	Rx10-36/ASR	None	None	224.6	101.6	15.4
Cornelius	C7366DGDP	VT2P	RR2	223.5	101.1	16.3
DEKALB	DKC63-91RIB	VT2P-RIB	RR2	222.6	100.7	14.8
DuraCrop	3135 VT2P	VT2P	RR2	221.9	100.4	15.6
Golden Harvest	G12S75-5122	V5122-RIB	GT, LL	221.7	100.3	17.2
Viking	58-11	None	None	220.6	99.8	15.0
Miller Hybrids	M13-81	None	None	220.3	99.7	16.7
NK Brand	NK1460-5222 EZ1	V5222-RIB	GT, LL	220.2	99.6	17.3
Prairie Hybrids	6878	None	None	219.6	99.4	16.4
Renk	RK807SSTX	SSX	LL,RR2	219.2	99.2	15.7
Four Star	6D52	VT2P-RIB	RR2	217.5	98.4	14.7
Prairie Hybrids	6590	None	None	216.4	97.9	15.2
DuraCrop	3147 GT3	GT3K	GT, LL	215.0	97.3	16.2
Cornelius	C7004DP	VT2P	RR2	214.6	97.1	15.2
DEKALB	DKC61-41RIB	VT2P-RIB	RR2	214.5	97.0	14.7
Prairie Hybrids	8759	None	None	214.3	97.0	17.6
Cornelius	C7125DP	VT2P	RR2	214.2	96.9	14.9
Miller Hybrids	M11-74	None	None	213.9	96.8	16.7
Blue River	64K93	None	None	213.8	96.7	16.5
Renk	RK805VT2P	VT2P	RR2	212.2	96.0	15.0
Renk	RK866DGVT2P	DGVT2P-RIB	RR2	210.7	95.3	15.7
Golden Harvest	G13T41-3120	V3120-RIB	GT, LL	209.5	94.8	17.4
Miller Hybrids	M14-40BG	CB	GT, LL	208.5	94.3	17.6
NuTech/G2 Genetics	71F5CYFR	Qrome	LL,RR2	207.8	94.0	16.4
Blue River	62G22	None	None	198.7	89.9	15.1
Viking	0.74-10	None	None	197.0	89.1	16.5
Pioneer	P1197AMXT	AMXT	LL,RR2	197.0	89.1	15.6
Experiment Mean				**221.1**		**16.2**
Minimum Mean				**197.0**		**14.7**
Maximum Mean				**237.7**		**18.7**
LSD(0.25)				**9.0**		**0.3**
Coefficient of Variability				**4.9**		

Table 10. South district, 2020 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	Crawfords-ville
Titan Pro	TP 70-12	None	None	233.4	244.6	228.2	19.3	890	222.3	180.0	222.3	192.2	210.5
NuTech/G2 Genetics	70F2Q	Qrome	LL,RR2	232.2	232.8	235.1	18.2	897	216.6	217.7	235.7	183.9	237.4
NuTech/G2 Genetics	70A8AM	AM	LL,RR2	232.0	239.8	233.6	18.3	891	240.5	222.3	238.9	158.1	223.7
NuTech/G2 Genetics	E71H4AM	AM	LL,RR2	227.1	239.4	221.0	17.9	881	248.4	207.8	226.1	155.1	239.8
Renk	RK866DGVT2P	DGVT2P-RIB	RR2	224.8	233.0	219.8	18.0	871	214.0	204.8	223.4	181.2	219.2
Miller Hybrids	Rx12-70VT2P	VT2P	RR2	224.0	232.5	217.9	19.4	854	232.6	204.8	236.4	214.1	222.4
Pioneer	P1082AM	AM	LL,RR2	223.9	221.7	229.3	18.1	867	222.8	198.8	226.4	191.4	231.3
Renk	RK882SSTX	SSX	RR2	223.9	228.0	223.5	19.2	857	224.8	197.3	223.3	173.4	223.3
Hi Fidelity Genetics	HFG1111	None	None	223.6	236.3	215.7	17.7	869	235.6	212.8	233.2	185.4	241.5
DEKALB	DKC61-41RIB	VT2P-RIB	RR2	223.1	229.9	219.6	17.8	867	225.2	222.7	236.2	199.1	235.1
DEKALB	DKC60-80RIB	VT2P-RIB	RR2	222.4	224.8	224.2	17.9	864	237.6	195.5	231.9	212.2	243.9
DEKALB	DKC59-82RIB	VT2P-RIB	RR2	222.0	224.5	224.0	17.3	867	254.4	207.0	236.1	187.1	230.6
NuTech/G2 Genetics	E71G6AM	AM	LL,RR2	221.0	234.3	212.0	18.4	851	229.7	205.2	246.2	161.9	239.2
NuTech/G2 Genetics	72B7CYFR	Qrome	LL,RR2	221.0	228.6	213.1	19.5	839	221.2	205.0	235.2	184.1	229.5
NK Brand	NK1205-3120	V3120-RIB	GT, LL	220.9	227.2	220.1	18.9	847	239.2	207.5	216.4	189.2	232.5
NuTech/G2 Genetics	5FB-9909AM	AM	LL,RR2	220.5	224.6	224.3	17.6	860	228.8	230.9	233.0	150.7	246.9
Four Star	EXP 9102	VT2P	RR2	219.8	228.2	217.2	17.7	854	234.7	203.7	235.0	213.0	224.1
Four Star	6D47	VT2P-RIB	RR2	218.5	221.0	212.7	17.5	853	237.2	207.6	229.5	201.1	241.9
NuTech/G2 Genetics	71F5CYFR	Qrome	LL,RR2	218.5	230.9	210.2	19.0	827	227.2	211.2	234.7	166.6	244.4
Prairie Hybrids	6590	None	None	217.5	233.9	206.9	17.6	847	218.5	207.2	232.9	179.6	219.6
Cornelius	C7125DP	VT2P	RR2	217.3	223.3	219.0	17.7	845	244.5	217.8	257.2	189.2	254.5
Cornelius	7228VT2P	VT2P	RR2	216.5	224.3	215.2	18.0	839	243.6	226.8	247.8	187.0	228.3
Cornelius	C7004DP	VT2P	RR2	216.1	227.0	215.8	17.7	841	240.2	215.0	243.3	216.1	246.0
Hi Fidelity Genetics	HFG1092	None	None	215.5	227.4	207.0	18.7	828	253.1	206.3	226.4	176.5	236.5
Four Star	6D52	VT2P-RIB	RR2	215.5	220.5	216.3	17.5	838	238.3	228.1	236.6	176.9	222.5
Pioneer	P1197AMXT	AMXT	LL,RR2	214.4	216.0	216.4	18.2	829	229.5	180.7	227.6	190.4	231.4
Cornelius	C7270DP	VT2P	RR2	211.5	212.6	216.5	18.6	815	245.1	217.6	236.4	181.7	241.4
NK Brand	NK1188-5122	V5122-RIB	GT, LL	210.7	219.5	210.7	19.0	809	231.1	212.9	240.7	190.6	220.3
Renk	RK807SSTX	SSX	LL,RR2	210.5	224.9	200.0	18.8	808	238.6	213.2	222.8	151.5	225.6
DuraCrop	3100 VT2P	VT2P	RR2	209.0	215.1	206.7	16.6	822	239.3	220.6	229.6	192.3	236.8
Blue River	64K93	None	None	208.6	214.1	207.9	19.3	798	251.6	226.3	255.8	186.5	242.3
DuraCrop	3098 VT2P	VT2P	RR2	204.2	208.2	208.3	17.6	798	244.4	224.5	239.9	174.1	233.3
Experiment Mean				**219.4**	**226.5**	**217.1**	**18.2**	**848**	**234.7**	**210.6**	**234.3**	**184.1**	**233.0**
Minimum Mean				**204.2**	**208.2**	**200.0**	**16.6**	**798**	**214.0**	**180.0**	**216.4**	**150.7**	**210.5**
Maximum Mean				**233.4**	**244.6**	**235.1**	**19.5**	**897**	**254.4**	**230.9**	**257.2**	**216.1**	**254.5**
LSD(0.25)				**8.2**	**8.1**	**11.0**	**0.4**		**8.3**	**12.0**	**8.6**	**16.0**	**12.1**
Coefficient of Variability				**5.5**	**4.3**	**6.0**			**3.9**	**5.7**	**3.8**	**8.5**	**5.7**

Table 11. South district, 2020 district and single-location means. Full-season test, RM > 112.

				District Means					Single Location Yield				
Company	Hybrid	Trait Pkg	Herb Tech	Yield Bu/A	SW Yield	SE Yield	Moist %	AGV $	Atlantic	Corning	Milo	Batavia	Crawfords-ville
DuraCrop	3143 VT2P	VT2P	RR2	236.5	245.3	233.5	20.1	895	270.1	222.6	243.2	219.4	237.8
DEKALB	DKC66-18RIB	VT2P-RIB	RR2	233.3	239.9	226.1	20.7	876	267.4	214.9	237.5	213.3	227.5
NuTech/G2 Genetics	E74C1AM	AM	LL,RR2	232.2	230.7	229.6	19.8	882	247.3	211.9	233.0	204.6	251.3
NuTech/G2 Genetics	74B6AM	AM	LL,RR2	231.1	240.3	226.0	19.7	879	264.3	201.0	255.5	182.8	239.7
Titan Pro	82-14 2P	VT2P-RIB	RR2	230.7	238.4	225.1	22.3	849	247.4	233.2	234.8	190.7	249.9
Cornelius	C7366DGDP	VT2P	RR2	230.4	238.2	227.6	19.3	880	251.5	215.0	248.3	200.4	234.1
Hi Fidelity Genetics	HFG1142	None	None	227.0	229.9	218.3	20.3	856	250.6	214.5	224.6	199.5	230.8
Renk	RK945DGVT2P	DGVT2P-RIB	RR2	224.7	235.4	209.3	20.3	848	257.8	227.7	220.8	179.0	228.0
Prairie Hybrids	8759	None	None	223.6	234.0	221.1	19.9	848	252.4	203.4	246.3	182.0	235.0
DEKALB	DKC64-64RIB	SSX-RIB	LL,RR2	223.5	233.2	212.0	20.2	844	268.7	207.6	223.3	177.3	235.4
Cornelius	C7308SS	SSX	RR2	223.2	230.2	222.0	19.6	850	227.3	227.8	235.6	210.7	219.6
DuraCrop	3150 VT2P	VT2P	RR2	223.2	240.5	219.9	21.9	827	249.6	219.5	252.4	172.9	234.2
DuraCrop	3135 VT2P	VT2P	RR2	222.9	240.8	213.7	17.5	869	252.9	218.1	251.3	153.8	235.9
Cappel Seed	5320	None	None	222.7	237.8	216.3	18.2	861	253.0	214.7	245.8	173.3	229.7
NuTech/G2 Genetics	5FB-2213AM	AM	LL,RR2	222.5	231.4	212.6	19.7	846	246.5	220.1	227.5	187.3	223.1
DEKALB	DKC63-91RIB	VT2P-RIB	RR2	222.2	231.3	214.3	18.4	858	261.1	211.5	221.4	201.9	219.7
NK Brand	NK1354-3220	V3220-RIB	GT, LL	221.4	229.4	216.2	19.9	840	246.9	204.1	237.4	179.6	231.6
Miller Hybrids	M14-81	None	None	221.2	234.1	216.8	19.4	844	244.5	223.8	234.0	194.4	222.0
NK Brand	NK1460-5222 EZ1	V5222-RIB	GT, LL	219.0	231.9	213.0	19.7	833	254.0	204.3	237.4	177.0	224.6
NuTech/G2 Genetics	78A1YHR	AM	LL,RR2	218.8	239.5	215.2	20.1	828	249.3	209.6	259.6	171.5	214.6
DEKALB	DKC63-57RIB	VT2P-RIB	RR2	218.7	230.6	210.5	19.0	839	248.0	222.8	221.2	171.0	239.2
Miller Hybrids	M14-40BG	CB	GT, LL	216.7	224.6	213.4	20.5	816	240.7	201.8	231.5	180.5	228.1
NuTech/G2 Genetics	75G1YHR	AM	LL,RR2	216.7	230.2	211.2	19.6	825	236.2	214.9	239.5	183.3	210.7
Renk	RK937VT2P	VT2P	RR2	215.8	233.7	210.1	17.7	840	241.3	219.2	240.6	166.3	223.5
Pioneer	P1563AM	AM	LL,RR2	215.1	224.1	210.7	19.9	816	239.0	200.2	233.0	166.3	232.8
Pioneer	P1366AM	AM	LL,RR2	211.8	218.7	207.9	18.7	815	224.6	211.0	220.5	161.6	241.7
Blue River	66G25	None	None	211.8	215.6	211.1	20.2	801	231.5	196.2	219.2	175.1	238.9
NuTech/G2 Genetics	E74D3AM	AM	LL,RR2	207.9	222.3	198.1	19.5	792	235.7	202.6	228.6	154.1	211.6
Prairie Hybrids	8290	None	None	202.6	220.5	185.7	22.0	749	238.0	207.3	216.1	155.7	185.3
Blue River	68C37	None	None	197.6	202.8	195.0	19.7	751	219.1	185.8	203.6	163.3	217.9
Experiment Mean				**220.8**	**231.2**	**214.7**	**19.8**	**839**	**247.2**	**212.2**	**234.1**	**181.6**	**228.5**
Minimum Mean				**197.6**	**202.8**	**185.7**	**17.5**	**749**	**219.1**	**185.8**	**203.6**	**153.8**	**185.3**
Maximum Mean				**236.5**	**245.3**	**233.5**	**22.3**	**895**	**270.1**	**233.2**	**259.6**	**219.4**	**251.3**
LSD(0.25)				**8.3**	**9.2**	**11.7**	**0.5**		**10.0**	**11.5**	**9.6**	**12.7**	**17.0**
Coefficient of Variability				**6.1**	**5.0**	**6.9**			**4.4**	**5.6**	**3.4**	**6.7**	**8.0**

Table 12. Entrant Information.

Blue River: Blue River Hybrids, Ames, IA — www.blueriverorgseed.com — (800) 370-7979

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
42C87	98	None	None	None	X					
54C27	105	None	None	None		X	X			
57A30	107	None	None	None		X	X			
62G22	110	None	None	None				X		
64K93	111	None	None	None				X	X	
66G25	112	None	None	None						X
68C37	113	None	None	None						X

Cappel Seed: Cappel Certified Seeds Inc., Rochelle, IL — www.cappelseeds.com — (815) 562-8978

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
4720	107	None	None	MX-QT			X			
5320	113	None	None	C250						X

Cornelius: 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
C385DP	103	VT2P	RR2	C250	X					
C478DP	105	VT2P	RR2	C250		X				
C568-3220	109	V3220	RR2	C250			X			
C575DP	109	VT2P	RR2	C250		X	X			
C577SS	109	SSX	RR2	A500PV		X				
C6209DP	102	VT2P	RR2	C250	X					
C6219SS	102	SSX	RR2	A500PV	X					
C6720DP	107	VT2P	RR2	C250			X			
C7004DP	110	VT2P	RR2	A500PV				X	X	
C7125DP	111	VT2P	RR2	C250				X	X	
C7228VT2P	112	VT2P	RR2	C250				X	X	
C7270DP	112	VT2P	RR2	C250					X	
C7308SS	113	SSX	RR2	A500PV						X
C7366DGDP	113	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
DKC49-45RIB	99	VT2P-RIB	RR2	Other	X					
DKC51-98 RIB	101	SSX-RIB	LL,RR2	Other	X					
DKC52-35RIB	102	VT2P-RIB	RR2	Other	X					
DKC54-65RIB	104	VT2P-RIB	RR2	Other		X	X			
DKC55-54RIB	105	VT2P-RIB	RR2	Other		X	X			
DKC56-15RIB	106	TRC-RIB	RR2	Other			X			
DKC58-64RIB	108	SSX-RIB	LL,RR2	Other		X	X			
DKC59-82RIB	109	VT2P-RIB	RR2	Other		X	X		X	
DKC60-80RIB	110	VT2P-RIB	RR2	Other				X	X	
DKC61-41RIB	111	VT2P-RIB	RR2	Other				X	X	
DKC63-57RIB	113	VT2P-RIB	RR2	Other						X
DKC63-91RIB	113	VT2P-RIB	RR2	Other				X		X
DKC64-64RIB	114	SSX-RIB	LL,RR2	Other						X
DKC66-18RIB	116	VT2P-RIB	RR2	Other						X

DuraCrop: DuraCrop Seed, Oskaloosa, IA — www.myduracrop.com — (800) 373-9401

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
1090 GT2V	109	V3110	GT, LL	CEP			X			
3007 VT2P	100	VT2P	RR2	ACL250	X					
3072 VT2P	107	VT2P	RR2	ACL250		X	X			
3087 VT2P	108	VT2P	RR2	CEP			X			
3098 VT2P	109	VT2P	RR2	ACL250					X	
3100 VT2P	109	VT2P	RR2	ACL250			X		X	
3124 DG2P	112	DGVT2P-RIB	RR2	CEP				X		
3126 GT3	112	GT3K	GT, LL	CEP				X		
3135 VT2P	113	VT2P	RR2	CEP				X		X
3143 VT2P	114	VT2P	RR2	ACL250						X
3147 GT3	114	GT3K	GT, LL	CEP				X		
3150 VT2P	115	VT2P	RR2	CEP						X

Four Star: Four Star Seed Co., Logan, IA — www.4starseed.com — (712) 644-1400

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
6D18	100	VT2P-RIB	RR2	ACL250	X					
6D22	102	VT2P	RR2	ACL250	X					
6D41	107	VT2P-RIB	RR2	ACL250		X	X			
6D47	109	VT2P-RIB	RR2	ACL250		X	X		X	
6D52	110	VT2P-RIB	RR2	ACL250				X	X	
6S19	102	VT2P	RR2	P500V	X					
6S30	103	SSX-RIB	LL,RR2	A500PV	X					
6S37	107	SSX-RIB	LL,RR2	A500PV		X	X			
EXP 2110	104	VT2P-RIB	RR2	ACL250		X	X			
EXP 9102	109	VT2P	RR2	ACL250		X	X		X	

Golden Harvest: Syngenta, Minnetonka, MN — www.goldenharvestseeds.com — (612) 656-8152

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
G00H12-5122	100	V5122-RIB	GT, LL	AV250+Vib	X					
G02K39-5122	102	V5122-RIB	GT, LL	AV250+Vib	X					
G03R40-5222	103	V5222-RIB	GT, LL	AV250+Vib	X					
G06Q68-5222	106	V5222-RIB	GT, LL	AV250+Vib		X				
G08D29-3120	108	V3120-RIB	GT, LL	AV500+Vib		X	X			
G09A86-3000GT	109	GT3K	GT, LL	AV500+Vib			X			
G09Y24-5222A	109	V5222-RIB	GT, LL	AV500+Vib		X	X			
G10L16-5222A	110	V5222-RIB	GT, LL	AV500+Vib				X		
G12S75-5122	112	V5122-RIB	GT, LL	AV500+Vib				X		
G13T41-3120	113	V3120-RIB	GT, LL	AV500+Vib				X		

Hi Fidelity Genetics: Hi Fidelity Genetics, Durham, NC — www.hifidelitygenetics.com — (984) 439-8338

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
HFG1051	106	None	None	A500PV		X				
HFG1071	107	None	None	A500PV		X	X			
HFG1081	108	None	None	ACL250		X	X			
HFG1092	109	None	None	A500PV			X		X	
HFG1111	111	None	None	C250				X	X	
HFG1142	114	None	None	A500PV						X

Miller: Miller Hybrids, Inc., Kalona, IA — www.millerhybrids.com — (319) 656-2532

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
M07-02	107	None	None	CEP		X				
M09-01	108	None	None	CEP			X			
M09-54	109	None	None	CEP			X			
M10-66	109	None	None	CEP			X			
M10-74	109	None	None	CEP			X			
M11-74	111	None	None	CEP				X		
M13-81	113	None	None	CEP				X		
M14-40BG	114	CB	GT, LL	CEP				X		X
M14-81	114	None	None	CEP						X
RX10-36/ASR	110	None	None	CEP				X		
RX12-70VT2P	112	VT2P	RR2	CEP					X	

NK Brand: Syngenta, Minnetonka, MN — www.nkcorn.com — (262) 220-3015

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
NK9991-5122 EZ1	99	V5122-RIB	GT, LL	AV500+Vib	X					
NK0243-5122	102	V5122-RIB	GT, LL	AV500+Vib	X					
NK0821-5122A	108	V5122A-RIB	GT, LL	AV500+Vib		X	X			
NK0886-5122	108	V5122-RIB	GT, LL	AV500+Vib		X	X			
NK1188-5122	111	V5122-RIB	GT, LL	AV500+Vib				X	X	
NK1205-3120	112	V3120-RIB	GT, LL	AV500+Vib					X	
NK1354-3220	113	V3220-RIB	GT, LL	AV500+Vib						X
NK1460-5222 EZ1	114	V5222-RIB	GT, LL	AV500+Vib				X		X

Table 12. Entrant Information. *Continued*

NuTech / G2 Genetics: NuTech Seed, LLC, Ames, IA **www.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							
56A7Q	96	Qrome	LL,RR2	P500V	X					
5F196AM	96	AM	LL,RR2	P500V	X					
57B3AM	97	AM	LL,RR2	P500V	X					
58B1Q	98	Qrome	LL,RR2	P500V	X					
5F-601AM	101	AM	LL,RR2	P500V	X					
5FB-8808AM	108	AM	LL,RR2	P500V		X	X			
5FB-9909AM	109	AM	LL,RR2	P500V		X	X		X	
5FB-2213AM	113	AM	LL,RR2	P500V				X		X
62A8Q	102	Qrome	LL,RR2	P500V	X					
63C4Q	103	Qrome	LL,RR2	P500V	X					
64D1YHR	104	AM	LL,RR2	P500V		X	X			
65H2Q	105	Qrome	LL,RR2	P500V		X	X			
68A7AM	108	AM	LL,RR2	P500V		X	X			
68B3AML	108	Opt-L	LL,RR2	P500V		X	X			
70A8AM	110	AM	LL,RR2	P500V				X	X	
70F2Q	110	Qrome	LL,RR2	P500V				X	X	
71F5CYFR	111	Qrome	LL,RR2	P500V				X	X	
72B7CYFR	112	Qrome	LL,RR2	P500V				X	X	
74B6AM	114	AM	LL,RR2	P500V				X		X
75G1YHR	115	AM	LL,RR2	P500V						X
78A1YHR	118	AM	LL,RR2	P500V						X
E57C1CYFR	97	Qrome	LL,RR2	P500V	X					
E71G6AM	111	AM	LL,RR2	P500V				X	X	
E71H4AM	111	AM	LL,RR2	P500V				X	X	
E74C1AM	114	AM	LL,RR2	P500V				X		X
E74D3AM	114	AM	LL,RR2	P500V				X		X

Table 12. Entrant Information. *Continued*

Pioneer: Corteva, Johnston, IA **www.pioneer.com** **(800) 772-2721**

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
P0157AM	101	AM	LL,RR2	LMGN	X					
P0306AM	103	AM	LL,RR2	LMGN	X					
P0574AMXT	105	AMXT	LL,RR2	LMGN		X	X			
P0977AM	109	AM	LL,RR2	LMGN		X	X			
P1082AM	110	AM	LL,RR2	LMGN				X	X	
P1197AMXT	111	AMXT	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, 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
3259	105	None	None	MX-QT		X	X			
4850	107	None	None	MX-QT		X	X			
5141ORG	108	None	None	MX-QT		X	X			
5787	108	None	None	MX-QT		X	X			
5900	108	None	None	MX-QT		X	X			
6590	111	None	None	MX-QT				X	X	
6878	112	None	None	MX-QT				X		
8290	114	None	None	MX-D				X		X
8759	114	None	None	MX-QT				X		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
RK579DGVT2P	98	DGVT2P-RIB	RR2	ACL250	X					
RK593VT2P	96	VT2P	RR2	ACL250	X					
RK600SSTX	100	SSX-RIB	RR2	ACL250	X					
RK642VT2P	103	VT2P	RR2	ACL250	X					
RK695GTCBLLBL	102	V3110	GT, LL	C250	X					
RK700SSTX	107	SSX	RR2	A500PV		X	X			
RK710DGVT2P	106	DGVT2P-RIB	RR2	ACL250		X	X			
RK726H	106	VT2P	RR2	MX-QT		X				
RK765VT2P	108	VT2P	RR2	ACL250		X	X			
RK805VT2P	110	VT2P	RR2	A500PV				X		
RK807SSTX	111	SSX	LL,RR2	A500PV				X	X	
RK866DGVT2P	112	DGVT2P-RIB	RR2	ACL250				X	X	
RK882SSTX	111	SSX	RR2	A500PV				X	X	
RK937VT2P	113	VT2P	RR2	ACL250				X		X
RK945DGVT2P	115	DGVT2P-RIB	RR2	ACL250						X

Titan Pro: Titan Pro SCI, Inc., Clear Lake, IA — www.titanprosci.com — (641) 357-7283

Hybrid	RM	GMO Technology: Trait Pkg	GMO Technology: Herb Tech	Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
86-96 2P	96	VT2P-RIB	RR2	ACL250	X					
92-99 2P	99	VT2P-RIB	RR2	ACL250	X					
22-00 2P	100	VT2P-RIB	RR2	ACL250	X					
26-00	100	None	None	ACL250	X					
84-01	101	None	None	ACL250	X					
26-03 5222	103	V5222-RIB	LL,RR2	ACL250	X					
24-04	104	PC-RIB	RR	ACL250		X				
82-04 2P	104	VT2P-RIB	RR2	ACL250		X	X			
23-06 SS	106	SSX-RIB	LL,RR2	ACL250		X				
96-06 2P	106	VT2P-RIB	RR2	ACL250		X	X			
92-09	109	None	None	ACL250		X	X			
94-09 2P	109	VT2P-RIB	LL,RR2	ACL250		X	X			
70-12	112	None	None	ACL250				X	X	
82-14 2P	114	VT2P-RIB	RR2	ACL250						X

Table 12. Entrant Information. *Continued*

Viking: Albert Lea Seed House, Albert Lea, MN **www.alseed.com** **(800) 352-5247**

Hybrid	RM	GMO Technology		Seed Treatment	North Early	North Full	Central Early	Central Full	South Early	South Full
		Trait Pkg	Herb Tech							
52-00	100	None	None	C250	X					
99-00	100	None	None	C250	X					
55-02	102	None	None	C250	X					
51-04	104	None	None	C250		X				
42-05	105	None	None	C250		X				
84-05	105	None	None	C250		X	X			
48-08	108	None	None	C250		X	X			
58-11	111	None	None	C250				X		
O.46-02	102	None	None	ACL250	X					
O.18-06	106	None	None	C250		X	X			
O.74-10	110	None	None	C250				X		

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A summary of replicated research by Iowa Crop Improvement Association.