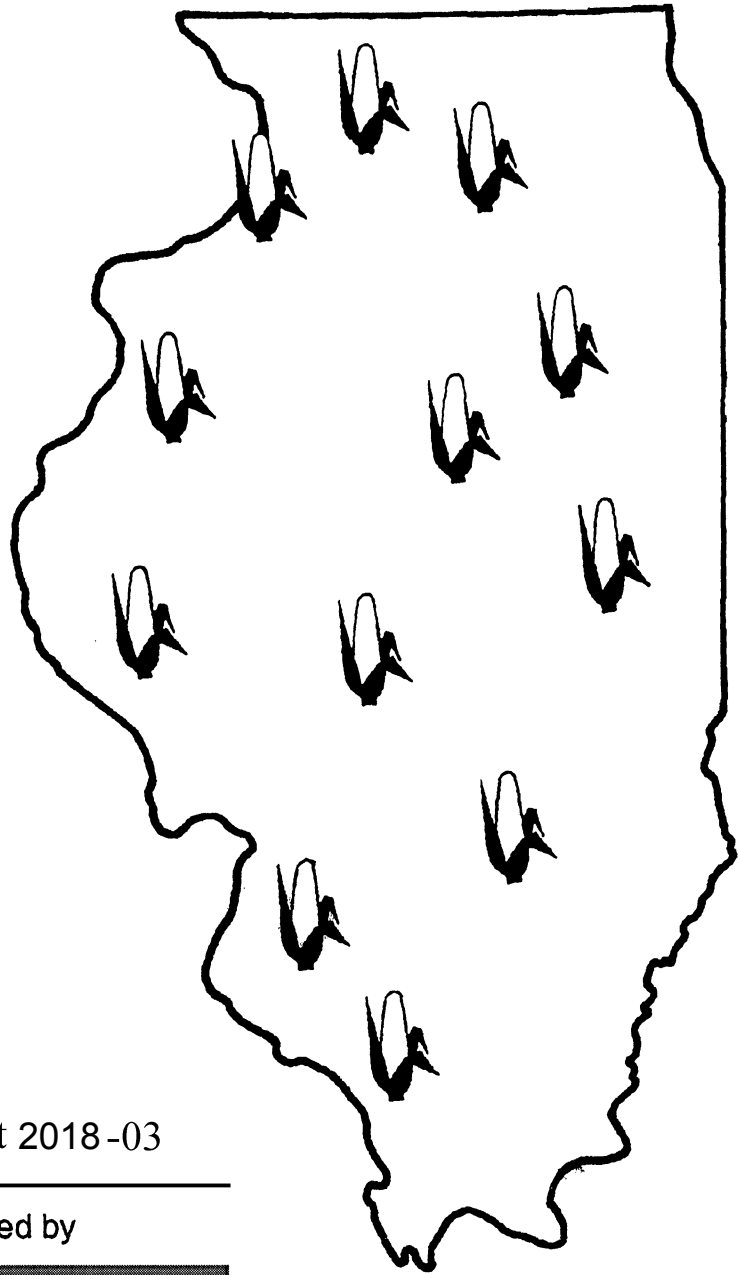

Corn Hybrid Test Results in Illinois- 2018



Crop Sciences Special Report 2018-03

Performance Information Provided by

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	
Department of Crop Sciences	
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Please visit our website for additional copies of the results

<http://vt.cropsci.illinois.edu>

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 2018

TEST PROGRAM

Selection of entries. Each year, producers of corn hybrids in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. Financing is provided thru entry fees. Entrants are required to enter their corn hybrids regionally at a fee of \$270 for each corn hybrid entered in a region or \$90 per hybrid for the corn following corn tests. Most of these hybrids are commercially available, although a few experimental hybrids are also entered.

Number and location of tests. In 2018, hybrid corn entrants were required to enter hybrid(s) in at least one of 4 regions each consisting of 3 locations with a total of 12 locations in the state (see map). These sites represent the major soil and climatic areas of the state.

Hybrids. There were 191 corn hybrids from 22 companies tested in 2018.

Field-plot design. Three replications of an alpha lattice design or randomized complete block were used to give each corn hybrid an equal chance to show its merits.

Planting methods. All trials were planted by a modern four row planter modified for small plot work. A soil insecticide (Force) was applied in furrow at planting for all corn trials. Corn plots were planted to stand and later counted to confirm population. Each plot was four rows wide and 23 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or side dressed as needed to ensure top yields.

Method of harvest. All corn plots were harvested with a custom-built, self-propelled, corn plot combine. Grain collected from each plot was weighed, and tested for moisture content. An electronic moisture monitor was used in the combine for all moisture readings. No allowance was made for grain that might have been lost in harvest.

PERFORMANCE DATA

Grain yield. Grain weight and moisture was converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture).

Moisture content. Occasionally, hybrids too late in maturity for a given area are entered in these tests. These hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Erect plants. The number of erect plants in each plot of a hybrid was determined at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. Corn plots were planted to population and later counted to confirm population. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or rodents.

population and later counted to confirm population. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or rodents.

SUGGESTIONS FOR COMPARING HYBRIDS

It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. When one hybrid consistently out yields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. When comparing yields, however, grain moisture content, percentage of erect plants, and plant population must also be considered.

A number of statistical tests are available for comparing hybrids within a single trial. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson¹ is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged "significantly different."

The L.S.D. is a number expressed in bushels per acre and presented following the average yield for each location. An L.S.D. level of 25% is shown. Find the highest yielding hybrid within the regional table or single location table of interest, subtract the 25% L.S.D. value from the highest yielding hybrid, every hybrid with a greater yield than the resulting number is 'statistically the same' as the highest yielding hybrid. Consider the merits of the hybrids in this group when making hybrid selections.

In a study of the frequencies of occurrence of three types of statistical errors and their relative seriousness, Carmer² found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40 , where α is the Type I statistical error rate for comparisons between means that are really equal. Herein, a value of $\alpha = 0.25$ is used in computing the L.S.D. 25- percent level shown in the tables.

To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing hybrids. Readers who compare hybrids in different trials should be extremely careful, because no statistical tests are presented for that purpose. Readers should note that the difference between a single hybrid's performance at one location and its performance at another is caused primarily by environmental effects and random variability. Furthermore, the difference between the performance of hybrid A in one trial and that of hybrid B in another is the result not only of environmental effects and random variability, but of genetic effects as well.

¹Carmer, S.G. and M.R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." Journal of American Statistical Association 68:66-74. 1973.

²Carmer, S.G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." Crop Science 16:95-99, 1976.

2018 TEST FIELDS

Mt. Morris

Location: Nelson farm, Ogle county, north of Mt. Morris, north central Illinois.
Cooperator: Rick Nelson.
Soil type: Muscatine silt loam.
Planting date: April 27th.
Harvest date: September 26th.
Nitrogen: 182 lbs. N as PPI UAN.
Herbicides: PRE- Bicep II Magnum; POST- Impact.
Tillage: Spring- field cultivation.

DeKalb

Location: Drendel farm, DeKalb County, southwest of DeKalb.
Cooperators: Steve Drendel.
Soil type: El Paso silty clay loam.
Planting date: April 26th.
Harvest date: October 16th.
Nitrogen: (Conv) 160 lbs. as PPI UAN; (CFC) 200 lbs., 100 lbs. fall NH3 as 100lbs as PPI UAN.
Herbicides: PRE- Resicore and Atrazine, POST- Impact.
Tillage: Spring- field cultivator.

Fenton

Location: Mickley farm, Whiteside county, west of Rock Falls, northwestern Illinois.
Soil Type: Coffeen silt loam.
Cooperator: Ron and Dave Mickley.
Planting Date: April 27th.
Harvest Date: September 21st.
Nitrogen: 180 lbs., 160 lbs. as spring NH3, 20lbs. as PPI UAN.
Herbicides: PPI- Degree Xtra; POST- Impact.
Tillage: Fall- Chisel; Spring- field cultivate.

Monmouth

Location: University of Illinois, Northwestern Illinois Agricultural Research and Demonstration Center, Warren County, northwest of Monmouth.
Cooperators: Greg Steckel; research director, Martin Johnson; farm foreman.
Soil type: Sable silty clay loam.
Planting date: April 25th.
Harvest date: September 22nd.
Nitrogen: (conv) 170lbs.; (CFC) 220lbs. as PPI 28%.
Herbicides: PRE- Verdict. Post- Callisto Resource, Atrazine.
Tillage: Fall- disk ripper; spring- field cultivate.

New Berlin

Location: Bennett Farm, Sangamon county, north of New Berlin, central Illinois.
Cooperators: Leahy Bennett.
Soil type: Sable silt loam.
Planting date: April 25th.
Harvest date: September 17th.
Nitrogen: 210 lbs., 175 lbs. as spring NH3, 30 lbs. as spring 32%.
Herbicides: PPI- Parallel Plus; POST- Impact.
Fungicide: Headline AMP (VT).
Tillage: Fall- V rip; Spring- vertical finisher.

Quincy

Location: Dedert Farm, Adams County, east of Quincy, west-central Illinois.
Cooperator: David Dedert.
Soil type: Edwardsville silt loam.
Planting date: April 24th.
Harvest date: November.
Nitrogen: 220 lbs., 190 lbs. as 28% PPI, 30 lbs. as fall DAP.
Herbicides: PPI- Lexar; POST- Impact.
Tillage: Fall- Chisel, Spring- field cultivate.

Dwight

Location: Hoffman farm, Grundy county, north of Dwight, northeastern Illinois.
Cooperator: Allen Hoffman.
Soil type: Reddick silty clay loam.
Planting date: April 26th.
Harvest date: September 20th.
Nitrogen: 200 lbs. as UAN Side dress.
Herbicides: PPI- Salvo, Atrazine;
POST- Impact.
Tillage: Fall strip till.

Goodfield

Location: Wurmnest farm, Woodford county, north of Goodfield, central Illinois.
Cooperator: Mike Wurmnest.
Soil Type: Ipava silt loam.
Planting date: April 27th.
Harvest date: September 28th.
Nitrogen: 200 lbs., 60 lbs as PPI UAN, 80 lbs. as side dress, 60 lbs. as fall DAP.
Herbicide: Pre- Lexar; POST- Impact.
Tillage: Fall- chisel, Spring- field cultivator.

Urbana

Location: University of Illinois, Crop Sciences Research and Education Center, Champaign county, Urbana, east-central Illinois.
Cooperators: Jeff Warren; farm foreman.
Soil type: Flanagan silt loam.
Planting date: May 1th.
Harvest date: (conv) September 27th (CFC) September 29th.
Nitrogen: (Conv) 210 lbs. as 28% PPI. (CFC) 210 lbs. as 28% PPI.
Herbicides: PPI- Verdict, Infantry; POST-Impact.
Tillage: Spring- soil finisher, Fall- chisel plow.

St. Peter

Location: Schwarm Farm, Fayette county, North of St. Peter, south-central Illinois.
Cooperators: Russ Schwarm, Scott Reynolds.
Soil type: Hoyleton silt loam.
Planting date: May 29th.
Harvest date: September 19th.
Nitrogen: 150 lbs. as PPI 32%.
Herbicides: PPI- Balance Flex, Roundup; POST- Impact.
Tillage: Fall- Disk; spring- Field cultivate.

Belleville

Location: Tiedemann Farm, east of Belleville, St. Clair county.
Cooperators: David and Dan Tiedemann.
Soil type: Caseyville silt loam.
Planting date: May 2nd.
Harvest date: September 18th.
Nitrogen: 180 lbs. as spring NH3.
Herbicides: PPI- Medal II ATZ and Sotriion.
Fungicide: Trivapro at R1.
Tillage: Spring- field cultivator.

Elkville

Location: Funk farm, Jackson county, Elkville, north of Carbondale, southern Illinois.
Cooperators: John and Trent Funk.
Soil Type: Okaw silt loam.
Planting date: May 1st.
Harvest date: September 18th.
Nitrogen: 185 lbs. as Anhydrous (spring).
Herbicides: PPI- Lumax; POST- Impact.
Tillage: Fall- Chisel, Spring- field cultivator.

GROWING SEASON RAINFALL

2018 CORN LOCATIONS

Location	April	May	Jun	July	Aug	Sept	Total
Mt. Morris	1.46	6.38	7.02	5.26	7.29	6.86	34
DeKalb	1.63	6.18	7.87	2.99	4.17	4.14	27
Fenton	1.53	4.72	8.28	3.48	6.67	6.55	31
Monmouth	1.12	2.09	3.44	1.96	4.82	4.78	18
New Berlin	1.89	4.02	4.90	4.77	6.02	4.04	26
Perry	0.62	2.69	2.39	3.78	7.39	5.13	22
Dwight	1.68	3.23	4.42	1.36	4.59	3.39	19
Goodfield	1.97	3.54	4.60	3.47	6.74	2.05	22
Urbana	2.26	3.59	8.27	6.95	3.73	5.60	30
St. Peter	3.31	3.21	6.74	4.43	6.37	6.64	31
Belleville	3.23	5.18	4.90	4.28	6.72	5.60	30
Elkville	4.48	5.37	3.85	2.08	4.08	5.78	26



SOURCES OF SEED

AgVenture , Wehmeyer Seed,	www.agventure.com
Axis , Axis Seed Direct,	www.axisseed.com
Burrus , Burrus Seed,	www.burrusseed.com
Channel , Channel,	www.channel.com
Cornelius , Cornelius, Seed,	www.corneliusseed.com
Dairyland , Dairyland Seed,	www.dairylandseed.com
DeKalb , Dekalb,	www.asgrowanddekalb.com
Dyna-Gro , Dyna-Gro Seed,	www.dynagroseed.com
Great Lakes , Great Lakes Hybrid	www.greatlakeshybrids.com
Hughes , Hughes Hybrids,	www.hugheshybrids.com
InVISION , FS InVISION	www.fsinvision.com
Lewis , Lewis Hybrids,	www.seedcorn.com
Miller , Miller Hybrids,	www.millerhybrids.com
Munson , Munson Hybrids,	www.munsonhybrids.com
NuTech , NuTech Seed, LLC	www.nutechseed.com
OMG , Original Maize Genetics,	www.omgcorn.com
Pioneer , Pioneer Hybrids,	www.pioneer.com
Power Plus , Burrus Seeds,	www.burrusseed.com
Prairie , Prairie Hybrids,	www.prairiehybrids.com
Renk , Renk Seed Co.	www.renkseed.com
Roeschley , Roeschley Hybrids,	www.roeschleyhybrids.com
Stone , Stone Seed Group,	www.stoneseed.com
Sun Prairie Seeds , Sun Prairie Seeds,	www.sunprairiehybrids.com
Viking , Albert Lea Seed,	www.alseed.com
Whisnand , Whisnand Hybrids,	(217-268-3714)
YIELDirect , YIELDirect,	www.yieldirect.com

KEY TO REGIONS

- 1 (North) = Mt. Morris, DeKalb, Fenton
- 2 (W. Central) = Monmouth, Quincy, New Berlin
- 3 (E. Central) = Dwight, Goodfield, Urbana
- 4 (South) = St. Peter, Belleville, Elkville
- 5 DeKalb Corn Following Corn
- 6 Monmouth Corn Following Corn
- 7 Urbana Corn Following Corn

** RM = Relative Maturity in Days

2018 Corn Entries		*Regions Entered							
Company	Name	1	2	3	4	5	6	7	RM
AgVenture	AV7910AM.....					4			110
AgVenture	AV8113AM.....					4			113
AgVenture	AV8614AM.....					4			114
AgVenture	AV8714AM.....					4			114
AgVenture	AV8915AM.....					4			115
AgVenture	RL7844AM.....					4			110
AgVenture	RL8430AM.....					4			113
AgVenture	RL8537AM.....					4			113
AgVenture	RL8899AM.....					4			115
AXIS	55A58RIB.....	1							105
AXIS	57A25RIB.....	1	3						107
AXIS	59Q22EZR.....	1							109
AXIS	60P29RIB.....	1	3						110
AXIS	62A58RIB.....	1	3						112
AXIS	64Q34EZR.....		3						114
AXIS	66N21RIB.....		3						116
Channel	207-27STXRIB.....	1							107
Channel	209-15STXRIB.....	1	2	3					109
Channel	209-15VT2PRIB.....				4				109
Channel	210-79STXRIB.....	1	2	3					110
Channel	210-79VT2P.....				4				110
Channel	212-20STXRIB.....	1	2	3					112
Channel	212-20VT2P.....				4				112
Channel	213-19STXRIB.....	1	2	3					113
Channel	213-19VT2P.....				4				113
Channel	215-60TRERIB.....				4				115
Channel	216-36STXRIB.....		2	3					116
Channel	216-36VT2P.....				4				116
Channel	218-44STXRIB.....				4				118
Cornelius	C555-3010.....	1							108
Cornelius	C564SS.....				5				108
Cornelius	C573DP.....	1							108
Cornelius	C577SS.....	1			5				109
Cornelius	C633DP.....	1							110
Cornelius	C667SS.....	1			5				112
Dairyland	DS-7513RA.....		2	3	4				113
Dairyland	DS-7909PE.....	1							109
Dairyland	DS-9510RA.....	1							110
Dekalb	DKC56-45RIB.....	1							106
Dekalb	DKC58-34RIB.....	1			5				108
Dekalb	DKC60-87RIB.....	1	2	3	5	6	7		110
Dekalb	DKC60-88RIB.....				4				110
Dekalb	DKC62-52RIB.....	1	2	3	5	6	7		112
Dekalb	DKC62-53RIB.....				4				112
Dekalb	DKC63-21RIB.....	1	2	3	5	6	7		113
Dekalb	DKC64-34RIB.....	1	2	3	5	6	7		114
Dekalb	DKC64-35RIB.....				4				114
Dekalb	DKC65-95RIB.....		2	4					115
Dekalb	DKC66-74RIB.....		2	3		6	7		116
Dekalb	DKC66-75RIB.....				4				116
Dekalb	DKC70-27RIB.....		2	3	4				120
Dyna-Gro	D49SS70.....	1							109
Dyna-Gro	D52SS63.....	1	2	3					112
Dyna-Gro	D52VC15.....		2	4					112
Dyna-Gro	D52VC63.....				4				112
Dyna-Gro	D54SS60.....		3						114
Dyna-Gro	D54VC52.....		2						114
Dyna-Gro	D55VC45.....				4				115
Dyna-Gro	D57VC51.....				4				117
FS InVISION	FS 57ZX1 RIB.....	1							107
FS InVISION	FS 58G00.....	1	2	3					108

2018 Corn Entries		*Regions Entered							
Company	Name	1	2	3	4	5	6	7	RM
FS InVISION	FS 58R49.....	1							108
FS InVISION	FS 59VL1 EZR.....	1							109
FS InVISION	FS 60LX1 RIB.....	1	2	3					110
FS InVISION	FS 60UX1 RIB.....	1	2	3	4				110
FS InVISION	FS 62TV1DG RIB.....				4				112
FS InVISION	FS 62ZX1 RIB.....	1	2	3	4				112
FS InVISION	FS 63Z00.....	1	2	3					113
FS InVISION	FS 63ZX1 RIB.....	1	2	3	4				113
FS InVISION	FS 64SX1 RIB.....	1	2	3	4				114
FS InVISION	FS 66ZV1 RIB.....				4				116
FS InVISION	FS 67SV1 RIB.....				4				117
LG Seeds	LG5525VT2RIB.....	1							105
LG Seeds	LG5606STXRIB.....	1	2	3	5	6	7		111
LG Seeds	LG5643STXRIB.....		2	3		6	7		114
LG Seeds	LG5643VT2RIB.....				4				114
LG Seeds	LG5650STXRIB.....		2	3		6	7		115
LG Seeds	LG5650VT2RIB.....				4				115
LG Seeds	LG57C28VT2PRO.....	1							107
LG Seeds	LG58C77VT2PRO.....	1							108
LG Seeds	LG59C66VT2PRO.....	1	2						109
LG Seeds	LG62C02STX.....	1	2	3	5	6	7		112
LG Seeds	LG62C02VT2PRO.....				4				112
Miller Hybrids	M09-01.....	1							109
Munson Hybrids	6819SS.....	1							108
Munson Hybrids	6863.....	1							108
Munson Hybrids	6987.....	1							109
Munson Hybrids	7091SS.....	1							110
Munson Hybrids	7091VT2P.....		2	3					110
Munson Hybrids	7228SS.....	1							112
Munson Hybrids	7228VT2P.....		2	3					112
Munson Hybrids	7237SS.....	1							112
Munson Hybrids	7237VT2P.....		2	3					112
Munson Hybrids	7252SS.....	1							112
Munson Hybrids	7312SS.....	1	2	3					113
Munson Hybrids	7383VT2P.....		2	3					113
Munson Hybrids	7468VT2PDG.....		2	3					114
Munson Hybrids	7480.....		2	3					114
Munson Hybrids	7507VT2P.....		2	3					115
Munson Hybrids	7523VT2P.....		2	3					115
NuTech Seeds	5F308.....	1	2	3					108
NuTech Seeds	5F-510.....	2							110
NuTech Seeds	5F515.....		2	3	4				115
NuTech Seeds	5F713.....				4				113
NuTech Seeds	5FB-1010.....	1	2	3					110
NuTech Seeds	5FB-4516.....				4				116
NuTech Seeds	5FB-6313.....	1	2	3	4				113
NuTech Seeds	5FB-9909.....	1	2	3					109
NuTech Seeds	5H806.....	1							106
NuTech Seeds	5LB-7215.....		2	3	4				115
NuTech Seeds	5NN-8812.....	1							112
NuTech Seeds	E5FN-A213.....	1	2	3	4				113
NuTech Seeds	E5FN-A714.....	1	2	3	4				114
NuTech Seeds	E5FN-A808.....	1	2	3					108
OMG	4L59.....	1							106
OMG	5M14.....	1							107
OMG	6E63.....	1							111
Pioneer	P0825AMXT*.....	1	2	3					108
Pioneer	P1197AMXT*.....	1	2	3	4	5	6	7	111
Pioneer	P1311AMXT*.....		2	3	4				113
Pioneer	P1417AMX*.....		2	3	4				114
Power Plus®	4A67 AMXT TM*.....		3				7		109

* see page 4 for key to RM and regions entered

2018 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
Power Plus®	4Y34 AMTM*			3				7	108
Power Plus®	5K33 AM TM*			3	4			7	110
Power Plus®	6P73 AM TM*			3	4			7	113
Power Plus®	6Z43 AM TM*			3	4			7	112
Power Plus®	7M83 AM TM*			3	4			7	115
Prairie	2607	1							103
Prairie	3415	1							104
Prairie	4718	1							106
Prairie	5447	1				5			109
Prairie	5787	1		3		5			108
Prairie	5879	1							107
Prairie	6212	1							111
Prairie	6878	1	2	3		5	6		112
Prairie	6903	1							110
Prairie	7355	1		3					112
Prairie	7387		2	3					113
Prairie	8229		2	3					114
Prairie	8759		2	3		6	7		114
Prairie	8904	1	2	3					114
Renk	RK737SSTX	1							106
Renk	RK763VT2P	1							108
Renk	RK779SSTX	1							108
Renk	RK805VT2P	1	2	3					110
Renk	RK842SSTX	1	2	3					112
Renk	RK937SSTX		2	3					113
Renk	RK945DGVT2P		2	3					115
Renk	RK961VT2P		2	3	4				116
Renk	RK965SSTX		2	3	4				116
Roeschley Hybrids	Rx08-97VT2P	1							108
Roeschley Hybrids	Rx10-36SS	1	2	3					110
Roeschley Hybrids	Rx12-70SS	1	2	3					112
Roeschley Hybrids	Rx14-70SS			3					114
Roeschley Hybrids	Rx14-75VT2P			3					114
Stone Seed	5218RIB	1							102
Stone Seed	5448RIB	1							104
Stone Seed	5638RIB	1							106

2018 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
Stone Seed	5738RIB			1					107
Stone Seed	5858RIB			1	2	3			108
Stone Seed	6072RIB						4		110
Stone Seed	6182RIB						4		111
Stone Seed	6188RIB			1	2	3			111
Stone Seed	6288RIB				2	3			112
Stone Seed	6362RIB						4		113
Stone Seed	6368RIB			1	2	3			113
Stone Seed	6458RIB				2	3			114
Stone Seed	6468RIB				2	3			114
Stone Seed	6542RIB						4		115
Stone Seed	6622RIB						4		116
Stone Seed	6628RIB				2	3			116
Stone Seed	6712RIB						4		117
Stone Seed	DG6482RIB						4		114
Sun Prairie Seeds	SP2525 GSS					3			110
Sun Prairie Seeds	SP2785 RIB				3	4			112
Sun Prairie Seeds	SP2885 GSS				3	4			114
Sun Prairie Seeds	SPX7897 GSS						4		114
Viking	13-07				2				107
Viking	42-05			1					105
Viking	48-08				2				108
Viking	51-04				1				104
Viking	53-12				2				112
Viking	55-02				1				102
Viking	O.74-10GS				2				110
Whisnand	214SS				3	4			112
Whisnand	300SS				3	4			112
Whisnand	301SS				3	4			112
YIELDirect	4L59-RIB				1				106
YIELDirect	4L87-RIB				1			5	107
YIELDirect	4L97-RIB				1				107
YIELDirect	4M74-RIB				1			5	105

* see page 4 for key to RM and regions entered

2018 Hybrid Corn Test Results: North Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Mt. Morris			Erie			2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	Ldg ⁴ 0-9	Yield bu/a	Mst %	Ldg ⁴ 0-9	Yield bu/a	Mst %	Ldg ⁴ 0-9		
AXIS	55A58RIB	M	C2 R2 L B		105	239	16.8	2	223	16.2	0	256	17.4	4		
AXIS	57A25RIB	L	C2	G	107	259	19.6	4	236	19.0	0	281	20.2	8	250	
AXIS	59Q22EZR	M	C2 L B		109	252	19.7	4	245	18.6	0	259	20.8	7		
AXIS	60P29RIB	L	C2	G	110	283	17.6	3	263	17.5	0	302	17.7	6		
AXIS	62A58RIB	M	C2 R2 L B		112	253	20.0	3	257	20.1	0	249	20.0	6	257	
Channel	207-27STXRIB	M	C2 R2 L B		107	254	19.6	2	256	18.1	0	252	21.2	4	252	250
Channel	209-15STXRIB	M	C2 R2 L B		109	285	19.3	5	278	18.6	0	292	20.1	9		
Channel	210-79STXRIB	M	C2 R2 L B		110	255	17.7	6	242	15.8	4	268	19.7	7		
Channel	212-20STXRIB	M	C2 R2 L B		112	250	19.1	1	252	17.6	0	248	20.6	1	255	
Channel	213-19STXRIB	M	C2 R2 L B		113	261	19.4	1	249	18.9	0	273	19.9	2	259	
Cornelius	C555-3010	L	C2	G	108	244	19.1	7	241	18.0	5	246	20.1	9		
Cornelius	C564SS	M	C2 R2 L B		108	263	18.6	3	246	17.2	2	280	19.9	3		
Cornelius	C573DP	L	C2	G	108	256	18.5	3	252	18.4	0	260	18.7	5		
Cornelius	C577SS	M	C2 R2 L B		109	262	18.2	3	249	17.2	2	275	19.3	5		
Cornelius	C633DP	L	C2	G	110	277	18.0	3	273	17.3	0	281	18.7	5	273	
Cornelius	C667SS	M	C2 R2 L B		112	255	20.2	2	250	19.9	0	260	20.6	5	256	
Dairyland	DS-7909PE	M	C2 B		109	276	21.7	4	272	22.0	0	280	21.3	8		
Dairyland	DS-9510RA	M	C2 R2 L B		110	244	21.0	2	245	21.1	0	242	20.9	3		
Dekalb	DKC56-45RIB	M	C2 R2 L B		106	265	17.0	2	267	15.9	0	263	18.0	3		
Dekalb	DKC58-34RIB	M	C2 R2 L B		108	261	19.1	3	247	18.0	0	275	20.3	5		
Dekalb	DKC60-87RIB	M	C2 R2 L B		110	249	19.0	5	219	17.6	1	280	20.3	9	254	
Dekalb	DKC62-52RIB	M	C2 R2 L B		112	260	19.0	4	246	17.5	0	275	20.6	7	262	
Dekalb	DKC63-21RIB	M	C2 R2 L B		113	256	19.3	1	239	18.7	0	274	19.8	3	260	
Dekalb	DKC64-34RIB	M	C2 R2 L B		114	265	20.2	3	253	19.4	0	278	21.1	6	267	
Dyna-Gro	D49SS70	L	C2 R2 L B		109	271	19.2	4	250	18.0	0	292	20.3	7		
Dyna-Gro	D52SS63	L	C2 R2 L B		112	268	20.3	0	265	20.4	0	271	20.1	1		
FS InVISION	FS 57ZX1 RIB	M	C2 R2 L B		107	255	16.6	2	243	16.1	0	268	17.1	4		
FS InVISION	FS 58R49	M	C R B		108	252	20.2	4	245	19.6	0	260	20.7	8		
FS InVISION	FS 59VL1 EZR	L	C2 L B		109	258	20.3	5	254	19.3	2	263	21.4	9	253	
FS InVISION	FS 60LX1 RIB	M	C2 R2 L B		110	261	19.7	5	250	19.2	4	271	20.1	7	258	254
FS InVISION	FS 60UX1 RIB	M	C2 R2 L B		110	268	19.0	5	253	18.0	1	283	19.9	8		
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L B		112	265	20.4	4	259	19.6	1	270	21.1	6		
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L B		113	266	20.8	1	250	20.1	0	283	21.5	2	259	257
FS InVISION	FS 64SX1 RIB	M	C2 R2 L B		114	273	22.7	2	262	23.3	2	283	22.1	2	269	270
LG Seeds	LG5525VT2RIB	M	C2	G	105	258	17.0	2	249	16.9	0	268	17.2	3		
LG Seeds	LG5606STXRIB	M	C2 R2 L B		111	248	19.6	6	225	19.4	4	271	19.7	8		
LG Seeds	LG57C28VT2PRO	M	C2	G	107	240	18.6	1	227	17.1	0	253	20.0	3		
LG Seeds	LG58C77VT2PRO	M	C2	G	108	240	19.1	4	245	19.1	0	236	19.1	8		
LG Seeds	LG59C66VT2PRO	M	C2	G	109	272	17.5	2	270	16.6	1	274	18.4	2		
LG Seeds	LG62C02STX	M	C2 R2 L B		112	241	20.7	1	228	20.2	0	255	21.1	2		
Munson Hybrids	6819SS	L	C2 R2 L B		108	259	18.3	2	245	17.5	0	272	19.1	4	259	
Munson Hybrids	7091SS	L	C2 R2 L B		110	268	19.2	5	259	18.1	2	277	20.3	8		
Munson Hybrids	7228SS	L	C2 R2 L B		112	254	20.5	3	236	21.2	0	273	19.7	5		
Munson Hybrids	7237SS	L	C2 R2 L B		112	273	20.3	3	258	19.5	0	287	21.0	6	264	
Munson Hybrids	7252SS	L	C2 R2 L B		112	257	21.2	5	242	20.7	0	271	21.7	9	256	254
Munson Hybrids	7312SS	L	C2 R2 L B		113	266	20.0	2	257	19.8	0	274	20.2	4	268	267
NuTech Seeds	5F308	M	C B		108	244	19.7	3	239	18.2	2	249	21.2	5	254	
NuTech Seeds	5FB-1010	M	C B		110	242	21.1	5	267	21.2	0	217	21.1	9		
NuTech Seeds	5FB-6313	M	C B		113	281	21.6	2	273	23.0	0	288	20.3	3		
NuTech Seeds	5FB-9909	M	C B		109	280	18.0	3	260	17.5	0	300	18.5	5		
NuTech Seeds	5H806	M	C B		106	262	19.4	4	271	18.6	1	253	20.2	6	264	265
NuTech Seeds	5NN-8812	M	C B		112	250	21.6	3	250	22.9	0	251	20.3	6		
NuTech Seeds	E5FN-A213	M	C B		113	264	20.3	4	242	19.9	0	286	20.7	8		
NuTech Seeds	E5FN-A714	M	C B		114	278	22.0	3	278	22.4	0	278	21.6	7		
NuTech Seeds	E5FN-A808	M	C B		108	265	18.1	2	252	17.3	0	278	18.9	3		
Pioneer	P0825AMXT*	H	C2 R2 L B		108	261	19.9	4	238	19.3	0	283	20.6	7	265	
Pioneer	P1197AMXT*	H	C2 R2 L B		111	259	18.9	2	256	19.0	0	261	18.7	3	264	
Renk	RK737SSTX	M	C2 R2 L B		106	271	16.2	2	268	15.8	0	275	16.5	4		
Renk	RK763VT2P	L	C2	G	108	259	19.9	4	247	18.3	0	271	21.4	7	258	
Renk	RK779SSTX	M	C2 R2 L B		108	248	18.1	2	240	17.2	0	255	19.0	3		
Renk	RK805VT2P	L	C2	G	110	252	19.5	3	234	19.2	0	270	19.8	7		
Renk	RK842SSTX	M	C2 R2 L B		112	251	20.6	3	241	20.2	0	261	21.1	5	254	
Roeschley Hybrids	Rx08-97VT2P	L	C2	G	108	262	19.0	4	256	18.0	0	268	19.9	7		
Roeschley Hybrids	Rx10-36SS	L	C2 R2 L B		110	252	18.8	4	265	17.6	1	240	19.9	7		
Roeschley Hybrids	Rx12-70SS	L	C2 R2 L B		112	258	21.0	2	253	20.3	0	263	21.6	3	254	
Stone Seed	5218RIB	H	C2 R2 L B		102	261	16.2	4	245	15.1	2	277	17.3	7	261	260
Stone Seed	5448RIB	H	C2 R2 L B		104	254	16.7	2	242	15.3	0	267	18.1	4		
Stone Seed	5638RIB	H	C2 R2 L B		106	275	18.1	3	262	17.9	0	288	18	5		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

2018 Hybrid Corn Test Results: North Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Mt. Morris			Erie			2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	Ldg ⁴ 0-9	Yield bu/a	Mst %	Ldg ⁴ 0-9	Yield bu/a	Mst %	Ldg ⁴ 0-9		
YIELDirect	4L59-RIB	M	C R	B	106	245	17.4	4	238	16.5	1	251	18	7		
YIELDirect	4L87-RIB	M	C R	B	107	255	16.7	0	248	15.5	0	263	18	0	254	259
YIELDirect	4L97-RIB	M	C R	B	107	256	17.3	2	253	16.4	0	259	18	4	253	
YIELDirect	4M74-RIB	M	C R	B	105	259	17.5	1	262	17.0	0	257	18	2		
Non-GMO Hybrids																
FS InVISION	FS 58G00				108	267	20.3	4	278	20.4	0	256	20	8		
FS InVISION	FS 63Z00				113	249	20.8	0	255	19.7	0	244	22	1		
Miller Hybrids	M09-01	L			109	246	20.1	4	229	20.1	3	264	20	5		
Munson Hybrids	6863	L			108	251	21.0	4	273	20.4	0	229	22	8		
Munson Hybrids	6987	L			109	263	19.4	5	253	18.1	2	274	21	8		
OMG	4L59	L			106	261	18.6	5	256	17.1	3	265	20	8		
OMG	5M14	L			107	261	20.4	4	279	20.9	0	244	20	7	258	259
OMG	6E+63	L			111	270	21.2	5	250	21.3	0	291	21	9	267	
Prairie	2607				103	241	19.4	5	230	18.6	0	252	20	9	241	
Prairie	3415				104	252	18.4	4	254	18.6	2	250	18	6	248	246
Prairie	4718				106	253	20.3	7	253	18.8	6	252	22	9		
Prairie	5447				109	267	19.8	1	271	20.2	0	262	19	3	258	
Prairie	5787				108	269	20.4	4	280	20.5	0	259	20	7	264	
Prairie	5879				107	260	17.9	4	258	17.7	0	262	18	9	258	258
Prairie	6212				111	262	22.3	1	253	22.9	0	271	22	2	262	258
Prairie	6878				112	284	21.3	4	261	21.1	2	307	21	6	277	
Prairie	6903				110	245	18.9	3	242	19.1	0	248	19	6	247	250
Prairie	7355				112	229	23.8	4	237	22.2	2	221	25	6	247	249
Prairie	8904				114	256	21.9	2	240	21.6	0	271	22	4	251	
Viking	42-05	L			105	264	17.5	1	259	16.6	0	270	18	2		
Viking	51-04	L			104	252	18.7	4	258	18.2	2	247	19	7		
Viking	55-02	L			102	252	18.3	3	259	18.0	0	245	19	6		
Average						258	19.3		251	18.7		265	20			
L.S.D 25% Level						16	1.1		11	0.9		17	1			
CV (%)						10	8.3		5	4.8		7	8			

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³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

⁴Lodging: 0= none, 9= All

⁵The DeKalb location was omitted due to poor data quality

2018 Hybrid Corn Test Results: West Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Monmouth		New Berlin		2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	% Erect Plants	Yield bu/a	Mst %	Yield bu/a	Mst %		
Channel	209-15STXRIB	M	C2 R2 L B	B	109	285	16.1	100	291	16.5	278	15.7		
Channel	210-79STXRIB	M	C2 R2 L B	B	110	276	16.1	100	271	16.1	282	16.0		
Channel	212-20STXRIB	M	C2 R2 L B	B	112	279	17.0	100	279	17.8	278	16.2	268	
Channel	213-19STXRIB	M	C2 R2 L B	B	113	282	17.5	100	285	18.1	278	17.0	267	
Channel	216-36STXRIB	M	C2 R2 L B	B	116	274	18.7	100	267	19.1	281	18.3	265	264
Dairyland	DS-7513RA	M	C2 R2 L B	B	113	256	15.6	100	277	17.0	234	14.1		
Dekalb	DKC60-87RIB	M	C2 R2 L B	B	110	282	15.5	100	281	16.0	283	15.0	270	
Dekalb	DKC62-52RIB	M	C2 R2 L B	B	112	282	16.9	100	286	17.2	278	16.7	269	
Dekalb	DKC63-21RIB	M	C2 R2 L B	B	113	269	16.5	100	271	17.5	267	15.5	267	
Dekalb	DKC64-34RIB	M	C2 R2 L B	B	114	271	18.1	100	272	18.7	271	17.6	265	
Dekalb	DKC65-95RIB	L	C2	G	115	287	18.0	100	284	19.1	289	17.0		
Dekalb	DKC66-74RIB	M	C2 R2 L B	B	116	273	17.9	100	275	18.6	270	17.2	266	
Dekalb	DKC70-27RIB	M	C2	G	120	284	20.1	100	280	20.7	288	19.5		
Dyna-Gro	D52SS63	L	C2 R2 L B	B	112	265	17.6	100	261	18.4	268	16.9	264	
Dyna-Gro	D52VC15	L	C2	G	112	269	17.0	100	279	17.1	259	16.8		
Dyna-Gro	D54VC52	L	C2	G	114	267	19.2	100	290	19.8	244	18.6		
FS InVISION	FS 60LX1 RIB	M	C2 R2 L B	B	110	259	16.3	100	261	16.9	258	15.6	256	250
FS InVISION	FS 60UX1 RIB	M	C2 R2 L B	B	110	265	16.3	100	262	16.7	269	15.8		
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L B	B	112	274	17.4	100	273	18.3	275	16.4		
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L B	B	113	274	18.3	100	269	18.8	278	17.8	260	256
FS InVISION	FS 64SX1 RIB	M	C2 R2 L B	B	114	279	18.2	100	271	18.8	286	17.5	268	265
LG Seeds	LG5606STXRIB	M	C2 R2 L B	B	111	267	16.2	100	261	17.2	272	15.3		
LG Seeds	LG5643STXRIB	M	C2 R	B	114	268	17.5	100	264	18.6	272	16.4		
LG Seeds	LG5650STXRIB	M	C2 R2 L B	B	115	271	18.2	100	282	18.9	260	17.4		
LG Seeds	LG59C66VT2PRO	M	C2	G	109	271	16.1	100	270	16.4	272	15.7		
LG Seeds	LG62C02STX	M	C2 R2 L B	B	112	261	17.4	100	260	17.6	262	17.2		
Munson Hybrids	7091VT2P	L	C2	G	110	271	15.2	100	272	15.7	270	14.7	265	
Munson Hybrids	7228VT2P	L	C2	G	112	270	16.6	100	277	17.1	263	16.1		
Munson Hybrids	7237VT2P	L	C2	G	112	276	17.3	100	280	17.7	272	16.8		
Munson Hybrids	7312SS	L	C2 R2 L B	B	113	261	17.5	100	261	17.9	262	17.0	251	250
Munson Hybrids	7383VT2P	L	C2	G	113	266	16.0	100	273	16.6	260	15.5	258	255
Munson Hybrids	7468VT2PDG	L	C2	G	114	264	16.6	100	261	17.5	267	15.6	256	
Munson Hybrids	7507VT2P	L	C2	G	115	272	19.1	100	275	19.9	269	18.2	261	
Munson Hybrids	7523VT2P	L	C2	G	115	276	18.7	100	285	19.7	267	17.6	269	262
NuTech Seeds	5F308	M	C	B	108	262	16.3	100	269	16.7	255	15.8	259	
NuTech Seeds	5F-510	M	C	B	110	275	17.2	100	278	18.1	272	16.3		
NuTech Seeds	5F515	M	C	B	115	269	18.1	100	277	18.7	261	17.5	271	267
NuTech Seeds	5FB-1010	M	C	B	110	268	16.8	100	274	17.3	262	16.2		
NuTech Seeds	5FB-6313	M	C	B	113	282	17.4	100	295	18.1	269	16.7		
NuTech Seeds	5FB-9909	M	C	B	109	288	15.5	100	288	16.1	289	14.8		
NuTech Seeds	5LB-7215	M	C	B	115	265	17.8	100	272	18.6	257	16.9		
NuTech Seeds	E5FN-A213	M	C	B	113	289	17.0	100	289	17.5	289	16.5		
NuTech Seeds	E5FN-A714	M	C	B	114	270	18.4	100	265	19.3	276	17.4		
NuTech Seeds	E5FN-A808	M	C	B	108	273	15.0	100	276	15.6	270	14.4		
Pioneer	P0825AMXT*	H	C2 R2 L B	B	108	247	17.0	100	272	18.1	222	15.8	249	
Pioneer	P1197AMXT*	H	C2 R2 L B	B	111	267	16.7	100	277	17.7	257	15.7	266	
Pioneer	P1311AMXT*	H	C2 R2 L B	B	113	256	17.5	100	281	18.2	231	16.9	256	
Pioneer	P1417AMXT*	H	C2 R	B	114	264	18.7	100	265	19.4	262	17.9	260	
Renk	RK805VT2P	L	C2	G	110	257	15.8	100	262	16.7	253	14.9		
Renk	RK842SSTX	M	C2 R2 L B	B	112	271	17.5	100	266	18.1	276	16.9	265	
Renk	RK937SSTX	M	C2 R2 L B	B	113	260	17.6	100	274	18.2	247	16.9		
Renk	RK945DGV2P	L	C2	G	115	286	18.7	100	283	18.9	289	18.6		
Renk	RK961VT2P	L	C2	G	116	273	16.5	100	280	16.8	265	16.3	266	
Renk	RK965SSTX	M	C2 R2 L B	B	116	265	18.8	100	278	19.4	251	18.1	256	
Roeschley Hybrids	Rx10-36SS	L	C2 R2 L B	B	110	274	16.2	100	272	16.4	276	16.0		
Roeschley Hybrids	Rx12-70SS	L	C2 R2 L B	B	112	268	17.7	100	265	18.3	271	17.2		
Stone Seed	5858RIB	H	C2 R2 L B	B	108	281	15.7	100	277	16.1	285	15.2		
Stone Seed	6188RIB	H	C2 R2 L B	B	111	263	17.7	100	271	18.3	255	17.2	258	
Stone Seed	6288RIB	H	C2 R2 L B	B	112	272	17.0	100	260	18.1	284	16.0	267	263
Stone Seed	6368RIB	H	C2 R2 L B	B	113	284	17.9	100	290	18.8	278	17.1	278	274
Stone Seed	6458RIB	H	C2 R2 L B	B	114	272	17.3	100	272	17.8	271	16.8	260	260
Stone Seed	6468RIB	H	C2 R2 L B	B	114	259	16.8	100	265	17.6	254	15.9		
Stone Seed	6628RIB	H	C2 R2 L B	B	116	272	19.2	100	285	20.0	259	18.4		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

*Perry will not be published, heavy rain before emergence significantly reduced the plant population in just under half of the plot.

2018 Hybrid Corn Test Results: West Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Monmouth		New Berlin		2-yr	3-yr
						Yield bu/a	Mst %	% Erect Plants	Yield bu/a	Mst %	Yield bu/a	Mst %	Avg. bu/a	Avg. bu/a
Non-GMO Hybrids														
FS InVISION	FS 58G00				108	253	16.3	100	264	17.2	241	15.5		
FS InVISION	FS 63Z00				113	270	16.9	100	271	17.9	270	16.0		
Munson Hybrids	7480	L			114	259	18.0	100	267	18.6	252	17.4		
Prairie	6878				112	276	17.7	100	276	18.8	276	16.6		
Prairie	7387				113	261	16.5	100	260	16.9	262	16.1	255	
Prairie	8229				114	268	18.7	100	284	19.7	251	17.6	266	260
Prairie	8759				114	256	18.0	100	266	18.8	245	17.3		
Prairie	8904				114	262	18.0	100	275	19.7	249	16.2	256	248
Viking	13-07	L			107	259	14.3	100	264	15.0	253	13.5		
Viking	48-08	L			108	252	15.9	100	266	16.9	239	14.8		
Viking	53-12	L			112	263	16.6	100	273	17.2	252	15.9		
Viking	O.74-10GS	L			110	257	16.1	100	265	16.6	250	15.5	251	
	Average					268	17.1	100	272	18	265	16		
	L.S.D 25% Level					13	0.5	0	10	1	8.9	0		
	CV (%)					7	4.2	0	4	3	3.6	3		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

⁴The Quincy (formerly Perry) location has not been harvested at this time.

2018 Hybrid Corn Test Results: East Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Dwight		Goodfield		Urbana		2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	% Erect Plants	Yield bu/a	Mst %	Yield bu/a	Mst %	Yield bu/a	Mst %		
AXIS	57A25RIB	L	C2	G	107	253	14.6	100	216	15.4	280	14.3	264	14.0		
AXIS	60P29RIB	L	C2	G	110	251	14.1	100	219	14.5	279	14.0	257	13.9		
AXIS	62A58RIB	M	C2 R2 L	B	112	246	15.9	100	220	18.4	270	14.8	247	14.5		
AXIS	64Q34EZR	M	C2	L B	114	255	17.3	100	218	20.4	287	16.8	260	14.8		
AXIS	66N21RIB	L	C2	G	116	250	16.6	100	194	18.0	295	16.1	259	15.6		
Channel	209-15STXRIB	M	C2 R2 L	B	109	256	14.1	100	209	14.2	294	14.7	267	13.5		
Channel	210-79STXRIB	M	C2 R2 L	B	110	250	14.4	100	193	14.7	281	14.2	276	14.2		
Channel	212-20STXRIB	M	C2 R2 L	B	112	247	14.6	100	207	15.3	279	14.8	256	13.8	246	
Channel	213-19STXRIB	M	C2 R2 L	B	113	256	16.0	100	224	17.1	280	15.8	265	15.1	252	
Channel	216-36STXRIB	M	C2 R2 L	B	116	258	16.7	100	235	18.4	272	16.0	266	15.7	252	256
Dairyland	DS-7513RA	M	C2 R2 L	B	113	251	16.5	100	227	18.5	275	17.2	251	13.9		
Dekalb	DKC60-87RIB	M	C2 R2 L	B	110	253	14.7	100	235	15.8	281	14.6	243	13.7	252	
Dekalb	DKC62-52RIB	M	C2 R2 L	B	112	252	14.3	100	201	14.0	291	14.4	264	14.4	255	
Dekalb	DKC63-21RIB	M	C2 R2 L	B	113	246	13.7	100	204	13.3	275	14.1	261	13.9	247	
Dekalb	DKC64-34RIB	M	C2 R2 L	B	114	257	16.0	100	225	17.9	284	15.3	263	14.9	256	
Dekalb	DKC66-74RIB	M	C2 R2 L	B	116	255	16.7	100	209	19.5	281	15.2	273	15.4	255	
Dekalb	DKC70-27RIB	M	C2	G	120	268	18.6	100	210	21.4	321	18.2	272	16.1		
Dyna-Gro	D52SS63	L	C2 R2 L	B	112	253	16.1	100	230	18.3	280	15.1	250	14.8	253	
Dyna-Gro	D54SS60	L	C2 R2 L	B	114	252	16.5	100	213	18.8	277	15.9	266	14.6	254	
FS InVISION	FS 60LX1 RIB	M	C2 R2 L	B	110	240	14.1	100	203	13.8	273	14.4	243	14.2	242	249
FS InVISION	FS 60UX1 RIB	M	C2 R2 L	B	110	253	15.0	100	218	15.8	271	14.9	271	14.1		
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L	B	112	251	15.6	100	227	17.4	273	14.8	254	14.5		
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L	B	113	247	16.1	100	208	16.3	273	16.5	262	15.4	250	252
FS InVISION	FS 64SX1 RIB	M	C2 R2 L	B	114	254	17.1	100	222	20.3	282	16.5	258	14.5	250	259
LG Seeds	LG5606STXRIB	M	C2 R2 L	B	111	253	14.9	100	212	15.7	286	15.1	260	13.9		
LG Seeds	LG5643STXRIB	M	C3 R3 L	B	114	252	16.3	100	213	20.1	292	15.1	252	13.9		
LG Seeds	LG5650STXRIB	M	C2 R2 L	B	115	246	16.5	100	204	17.9	271	16.2	263	15.3		
LG Seeds	LG62C02STX	M	C2 R2 L	B	112	249	15.8	100	204	17.6	284	15.0	257	14.7		
Munson Hybrids	7091VT2P	L	C2	G	110	246	13.8	100	220	13.4	278	14.3	242	13.6	255	
Munson Hybrids	7228VT2P	L	C2	G	112	259	14.0	100	222	13.0	294	14.9	261	14.3		
Munson Hybrids	7237VT2P	L	C2	G	112	252	15.9	100	230	17.3	280	15.7	245	14.6		
Munson Hybrids	7312SS	L	C2 R2 L	B	113	254	16.0	100	205	17.3	286	16.0	271	14.7	255	258
Munson Hybrids	7383VT2P	L	C2	G	113	253	15.0	100	223	15.8	276	14.9	259	14.3	253	
Munson Hybrids	7468VT2PDG	L	C2	G	114	255	16.0	100	213	18.2	290	15.5	261	14.3	261	
Munson Hybrids	7507VT2P	L	C2	G	115	253	17.3	100	221	18.4	283	17.2	255	16.2	257	
Munson Hybrids	7523VT2P	L	C2	G	115	247	16.4	100	198	17.6	288	15.8	255	15.7	251	
NuTech Seeds	5F308	M	C	B	108	254	15.0	100	223	15.9	286	14.8	253	14.3	255	
NuTech Seeds	5F515	M	C	B	115	265	16.0	100	233	17.6	288	15.8	274	14.6	265	271
NuTech Seeds	5FB-1010	M	C	B	110	266	15.2	100	240	16.1	294	15.6	262	14.1		
NuTech Seeds	5FB-6313	M	C	B	113	261	15.8	100	228	17.4	284	15.4	271	14.6		
NuTech Seeds	5FB-9909	M	C	B	109	267	14.8	100	237	16.4	289	14.0	275	13.9		
NuTech Seeds	5LB-7215	M	C	B	115	247	18.5	100	213	24.4	269	15.6	260	15.4		
NuTech Seeds	E5FN-A213	M	C	B	113	277	16.2	100	257	18.4	303	15.4	273	14.8		
NuTech Seeds	E5FN-A714	M	C	B	114	261	16.4	100	225	19.1	285	15.3	272	14.9		
NuTech Seeds	E5FN-A808	M	C	B	108	257	14.1	100	229	14.9	281	13.8	261	13.5		
Pioneer	P0825AMXT*	H	C2 R2 L	B	108	254	15.0	100	225	16.1	284	14.6	253	14.5	248	
Pioneer	P1197AMXT*	H	C2 R2 L	B	111	254	14.5	100	205	14.8	287	14.9	270	13.7	255	
Pioneer	P1311AMXT*	H	C2 R2 L	B	113	244	15.8	100	221	17.6	266	15.3	246	14.6	242	
Pioneer	P1417AMX*	H	C2 R	B	114	263	16.4	100	243	18.8	272	15.3	275	15.0	260	
Power Plus®	4A67 AMXT TM*	M	C2 R2	G	109	256	15.1	100	226	15.8	281	15.3	262	14.1	257	
Power Plus®	4Y34 AM TM*	M	C2	B	108	262	14.3	100	233	15.1	289	13.9	264	13.8		
Power Plus®	5K33 AM TM*	M	C2	B	110	256	15.3	100	211	16.2	293	15.2	265	14.6		
Power Plus®	6P73 AM TM*	M	C2	B	113	258	15.9	100	210	17.2	300	16.0	263	14.6		
Power Plus®	6Z43 AM TM*	M	C2	B	112	269	15.6	100	247	17.2	296	15.6	265	14.0		
Power Plus®	7M83 AM TM*	M	C2	B	115	256	17.4	100	225	21.8	285	15.6	259	14.7	264	
Renk	RK805VT2P	L	C2	G	110	238	14.8	100	215	15.5	269	14.9	231	14.0		
Renk	RK842SSTX	M	C2 R2 L	B	112	249	16.0	100	216	17.9	280	15.6	253	14.6	251	
Renk	RK937SSTX	M	C2 R2 L	B	113	251	15.0	100	221	15.2	277	15.3	255	14.6		
Renk	RK945DGV2P	L	C2	G	115	264	17.6	100	229	20.6	290	16.5	273	15.8		
Renk	RK961VT2P	L	C2	G	116	253	15.0	100	190	15.4	295	15.2	274	14.4	258	
Renk	RK965SSTX	M	C2 R2 L	B	116	257	17.4	100	227	20.2	276	15.9	268	16.1	257	
Roeschley Hybrids	Rx10-36SS	L	C2 R2 L	B	110	252	14.2	100	209	13.9	286	14.8	260	14.1		
Roeschley Hybrids	Rx12-70SS	L	C2 R2 L	B	112	253	16.1	100	221	17.9	278	15.5	259	15.0		
Roeschley Hybrids	Rx14-70SS	L	C2 R2 L	B	114	257	18.4	100	235	22.1	286	16.8	251	16.4	253	
Roeschley Hybrids	Rx14-75VT2P	L	C2	G	114	251	17.4	100	216	19.8	277	16.9	261	15.3		
Stone Seed	5858RIB	H	C2 R2 L	B	108	251	14.3	100	204	13.7	291	15.4	259	13.9		
Stone Seed	6188RIB	H	C2 R2 L	B	111	251	16.6	100	218	19.0	274	15.9	260	14.8	253	

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

2018 Hybrid Corn Test Results: East Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Dwight		Goodfield		Urbana		2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	% Erect Plants	Yield bu/a	Mst %	Yield bu/a	Mst %	Yield bu/a	Mst %		
Stone Seed	6288RIB	H	C2 R2 L B		112	250	16.4	100	219	19.0	268	15.3	263	14.8	252	257
Stone Seed	6368RIB	H	C2 R2 L B		113	261	16.7	100	224	19.3	297	16.2	262	14.7	264	
Stone Seed	6458RIB	H	C2 R2 L B		114	256	16.1	100	207	18.2	290	15.6	270	14.4	256	
Stone Seed	6468RIB	H	C2 R2 L B		114	248	15.2	100	210	16.0	278	15.3	255	14.3		
Stone Seed	6628RIB	H	C2 R2 L B		116	264	18.6	100	249	22.5	287	17.0	256	16.3		
Sun Prairie Seeds	SP2525 GSS	M	C2 R2 L B		110	255	14.9	100	218	15.8	284	14.7	264	14.3		
Sun Prairie Seeds	SP2785 RIB	M	C2	G	112	252	15.5	100	231	16.8	278	14.9	247	14.7		
Sun Prairie Seeds	SP2885 GSS	M	C2 R2 L B		114	247	18.5	100	210	22.4	271	17.0	260	16.2		
Whisnand	214SS	L	C2 R2 L B		112	256	15.7	100	213	17.9	283	15.0	273	14.3	262	265
Whisnand	300SS	L	C2 R2 L B		112	220	17.5	100	158	16.3	259	18.9	243	17.4		
Whisnand	301SS	L	C2 R2 L B		112	252	16.4	100	201	18.3	280	15.6	277	15.2		
Non-GMO Hybrids																
FS InVISION	FS 58G00				108	249	14.6	100	226	15.0	280	14.2	240	14.5		
FS InVISION	FS 63Z00				113	251	15.2	100	211	15.9	280	15.5	261	14.2		
Munson Hybrids	7480	L			114	259	17.3	100	217	19.9	289	17.1	270	14.9		
Prairie	5787				108	257	15.4	100	231	16.6	290	15.4	251	14.1	250	
Prairie	6878				112	264	15.9	100	232	17.5	290	15.5	270	14.7	266	
Prairie	7355				112	249	15.1	100	206	16.7	278	14.6	263	14.0	252	255
Prairie	7387				113	246	15.0	100	181	16.1	281	14.6	275	14.3	250	
Prairie	8229				114	254	17.3	100	202	20.6	283	16.0	275	15.4	255	261
Prairie	8759				114	264	17.2	100	230	18.8	291	17.8	272	15.2		
Prairie	8904				114	247	16.2	100	206	18.3	280	16.4	256	14.0	250	251
	Average					254	15.8	100	217	17.3	283	15.5	261	14.6		
	L.S.D 25% Level					10	1.1	0	17	1.6	10	0.6	10	0.4		
	CV (%)					7	12.4	0	8	9.9	4	3.9	4	2.8		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

2018 Hybrid Corn Test Results: Southern Region (32,000 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results ⁵		St Peter		Belleville			2-yr Avg. bu/a	3-yr Avg. bu/a
						Yield bu/a	Mst %	Yield bu/a	Mst %	Ldg ⁴ 0-9	Yield bu/a	Mst %		
AgVenture	AV7910AM	M	C	B	110	224	17.6	225	17.3	9	223	18.0	0	217
AgVenture	AV8113AM	M	C2	B	113	241	17.2	250	17.0	8	232	17.5	0	
AgVenture	AV8614AM	M	C	B	114	233	19.2	237	18.9	7	229	19.4	0	218
AgVenture	AV8714AM	M	C	B	114	232	17.8	219	17.3	6	245	18.4	0	207 205
AgVenture	AV8915AM	M	C	B	115	213	17.9	193	17.0	2	233	18.9	0	207
AgVenture	RL7844AM	M	C	B	110	227	16.4	219	16.2	4	234	16.7	0	209 208
AgVenture	RL8430AM	M	C	B	113	232	18.8	215	18.6	5	250	19.0	0	221 212
AgVenture	RL8537AM	M	C	B	113	234	17.3	236	16.6	3	231	18.0	0	213 211
AgVenture	RL8899AM	M	C	B	115	236	18.1	219	17.4	6	253	18.7	0	225 220
Channel	209-15VT2PRIB	L	C2	G	109	251	17.3	243	15.9	5	259	18.7	0	
Channel	210-79VT2P	L	C2	G	110	249	16.6	243	14.9	3	254	18.2	0	
Channel	212-20VT2P	L	C2	G	112	224	17.6	223	16.3	3	226	18.8	0	
Channel	213-19VT2P	L	C2	G	113	243	17.5	233	16.6	4	253	18.4	0	
Channel	215-60TRERIB	L	C2 R	G	115	247	18.7	249	18.0	7	245	19.4	0	
Channel	216-36VT2P	L	C2	G	116	235	17.8	228	16.7	5	242	18.9	0	
Channel	218-44STXRIB	M	C2 R2 L	B	118	240	19.0	241	18.1	2	238	20.0	0	
Dairyland	DS-7513RA	M	C2 R2 L	B	113	219	16.7	213	14.4	3	226	19.1	0	
Dekalb	DKC60-88RIB	M	C2	G	110	235	16.1	238	14.9	2	232	17.2	0	226
Dekalb	DKC62-53RIB	L	C2	G	112	241	18.4	230	17.5	2	252	19.2	0	
Dekalb	DKC64-35RIB	M	C2	G	114	239	17.4	228	16.7	1	250	18.0	0	222
Dekalb	DKC65-95RIB	L	C2	G	115	250	18.7	243	17.9	3	256	19.5	0	
Dekalb	DKC66-75RIB	M	C2	G	116	244	17.7	234	17.4	5	255	18.0	0	228
Dekalb	DKC70-27RIB	M	C2	G	120	249	20.7	240	20.7	4	257	20.7	0	230
Dyna-Gro	D52VC15	L	C2	G	112	242	17.9	234	17.0	1	249	18.8	0	
Dyna-Gro	D52VC63	L	C2	G	112	233	17.0	232	16.2	4	235	17.9	0	224
Dyna-Gro	D55VC45	L	C2	G	115	240	18.3	240	17.7	2	239	18.9	0	227
Dyna-Gro	D57VC51	L	C2	G	117	215	18.2	205	17.9	5	225	18.5	0	
FS InVISION	FS 60UX1 RIB	M	C2 R2 L	B	110	227	16.3	229	15.7	1	225	17.0	0	
FS InVISION	FS 62TV1DG RIB	L	C2	G	112	226	16.9	223	16.1	3	229	17.7	0	217 209
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L	B	112	223	17.0	215	16.5	7	231	17.5	0	
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L	B	113	216	18.1	207	16.9	2	224	19.3	0	207
FS InVISION	FS 64SX1 RIB	M	C2 R2 L	B	114	233	17.9	219	17.7	4	246	18.1	0	221 217
FS InVISION	FS 66ZV1 RIB	L	C2	G	116	239	18.7	235	18.3	3	242	19.1	0	225 216
FS InVISION	FS 67SV1 RIB	L	C2	G	117	233	19.1	220	18.6	3	245	19.5	0	
LG Seeds	LG5643VT2RIB	M	C2	G	114	254	17.5	258	16.9	5	250	18.1	0	
LG Seeds	LG5650VT2RIB	M	C2	G	115	246	17.8	233	17.5	7	258	18.2	0	
LG Seeds	LG62C02VT2PRO	M	C2	G	112	234	16.6	225	15.2	2	242	18.0	0	
NuTech Seeds	5F5F15	M	C	B	115	236	18.3	216	17.5	7	257	19.1	0	230 222
NuTech Seeds	5F713	M	C	B	113	234	17.7	221	17.8	7	248	17.6	0	217 212
NuTech Seeds	5FB-4516	M	C	B	116	241	19.2	242	19.0	4	241	19.3	0	
NuTech Seeds	5FB-6313	M	C	B	113	227	18.0	232	17.7	2	222	18.3	0	
NuTech Seeds	5LB-7215	M	C	B	115	219	17.9	212	18.2	3	226	17.7	0	
NuTech Seeds	E5FN-A213	M	C	B	113	240	16.9	235	16.4	2	245	17.5	0	
NuTech Seeds	E5FN-A714	M	C	B	114	236	19.2	232	18.8	7	239	19.5	0	
Pioneer	P1197AMXT*	H	C2 R2 L	B	111	231	16.1	220	15.2	2	242	17.1	0	215
Pioneer	P1311AMXT*	H	C2 R2 L	B	113	221	17.7	209	17.0	5	232	18.4	0	197
Pioneer	P1417AMX*	H	C2 R	B	114	229	18.2	216	18.2	8	242	18.2	0	219
Power Plus®	5K33 AM TM*	M	C2	B	110	222	17.4	209	16.9	5	236	17.9	0	214 210
Power Plus®	6P73 AM TM*	M	C2	B	113	223	17.6	208	17.2	5	239	18.0	0	209 204
Power Plus®	6Z43 AM TM*	M	C2	B	112	239	16.7	236	16.1	2	241	17.4	0	
Power Plus®	7M83 AM TM*	M	C2	B	115	225	17.8	221	17.3	4	230	18.4	0	218
Renk	RK961VT2P	L	C2	G	116	228	17.7	228	16.8	1	227	18.6	0	
Renk	RK965SSTX	M	C2 R2 L	B	116	236	19.4	222	19.2	2	249	19.5	0	
Stone Seed	6072RIB	M	C2	G	110	241	16.4	238	15.0	4	245	17.8	0	
Stone Seed	6182RIB	M	C2	G	111	232	18.7	225	17.7	2	239	19.6	0	220
Stone Seed	6362RIB	M	C2	G	113	244	16.6	237	14.9	1	251	18.2	0	236
Stone Seed	6542RIB	M	C2	G	115	261	19.0	256	18.6	6	266	19.5	0	
Stone Seed	6622RIB	M	C2	G	116	234	19.6	219	19.5	4	249	19.7	0	
Stone Seed	6712RIB	M	C2	G	117	217	19.2	224	19.3	4	210	19.1	0	217
Stone Seed	DG6482RIB	M	C2	G	114	237	17.3	227	16.5	5	247	18.1	0	
Sun Prairie Seeds	SP2785 RIB	M	C2	G	112	228	16.7	228	16.2	2	228	17.1	0	
Sun Prairie Seeds	SP2885 GSS	M	C2 R2 L	B	114	223	19.3	226	18.9	2	221	19.8	0	
Sun Prairie Seeds	SPX7897 GSS	M	C2 R2 L	B	114	236	17.2	226	15.9	1	245	18.5	0	
Whisnand	214SS	L	C2 R2 L	B	112	238	18.1	236	17.1	6	239	19.1	0	222 216
Whisnand	300SS	L	C2 R2 L	B	112	190	19.8	189	19.5	4	190	20.1	0	
Whisnand	301SS	L	C2 R2 L	B	112	238	19.7	242	19.1	8	233	20.2	0	
Average						233	17.9	227	17.2		239	18.5		
L.S.D 25% Level						11	0.8	13	0.6		10	0.6		
CV (%)						7	6.5	6	3.8		4	3.6		

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

⁴Lodging: 0= none, 9= All

⁵The Elkville location was omitted due to poor data quality

2018 Hybrid Corn Test Results: Monmouth Corn Following Corn (36,500) ppa

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Yield bu/a	Moisture %	% Erect plants	2-yr Avg. bu/a	Grain Quality		
										Oil @0%	Protein @0%	Starch @0%
Dekalb	DKC60-87RIB	110	M C2 R2	L	B	269	16.5	100	260	4.3	8.4	71.8
Dekalb	DKC62-52RIB	112	M C2 R2	L	B	266	16.8	100	252	4.6	9.0	71.0
Dekalb	DKC63-21RIB	113	M C2 R2	L	B	257	16.5	100	253	4.1	8.4	72.3
Dekalb	DKC64-34RIB	114	M C2 R2	L	B	278	17.7	100	268	4.5	8.9	71.4
Dekalb	DKC66-74RIB	116	M C2 R2	L	B	260	19.2	100	252	4.1	9.3	71.6
LG Seeds	LG5606STXRIB	111	M C2 R2	L	B	254	17.4	100		4.2	8.6	72.5
LG Seeds	LG5643STXRIB	114	M C2 R		B	262	18.3	100		4.1	8.8	72.1
LG Seeds	LG5650STXRIB	115	M C2 R2	L	B	267	19.2	100		4.6	9.6	70.6
LG Seeds	LG62C02STX	112	M C2 R2	L	B	243	18.0	100		4.4	8.5	71.7
Pioneer	P1197AMXT*	111	H C2 R2	L	B	257	17.1	100	242	4.0	8.7	72.2
Non-GMO Hybrids												
Prairie	6878	112				268	18.0	100		3.9	8.1	72.7
Prairie	8759	114				270	19.0	100		3.9	8.1	72.9
	Average					263	17.8	100		4.2	8.7	71.9
	L.S.D 25% Level					9	0.6	0		0.1	0.2	0.5
	CV (%)					3	3.5	0		3.4	2.8	0.7

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2018 Hybrid Corn Test Results: Urbana Corn Following Corn (36,500) ppa

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Yield bu/a	Moisture %	% Erect plants	2-yr Avg. bu/a	Grain Quality		
										Oil @0%	Protein @0%	Starch @0%
Dekalb	DKC60-87RIB	M	C2 R2 L B		110	219	13.2	100	208	4.3	7.6	72.8
Dekalb	DKC62-52RIB	M	C2 R2 L B		112	210	13.5	100	207	4.7	7.2	72.8
Dekalb	DKC63-21RIB	M	C2 R2 L B		113	228	13.5	100	213	4.2	7.5	72.4
Dekalb	DKC64-34RIB	M	C2 R2 L B		114	237	13.9	100	231	4.1	7.9	72.2
Dekalb	DKC66-74RIB	M	C2 R2 L B		116	212	14.0	100	212	4.5	8.5	72.5
LG Seeds	LG5606STXRIB	M	C2 R2 L B		111	206	13.3	100		4.3	7.7	72.4
LG Seeds	LG5643STXRIB	M	C2 R	B	114	220	14.2	100		4.2	8.0	72.0
LG Seeds	LG5650STXRIB	M	C2 R2 L B		115	216	14.4	100		4.5	8.0	72.3
LG Seeds	LG62C02STX	M	C2 R2 L B		112	216	13.4	100		4.3	7.6	72.5
Pioneer	P1197AMXT*	H	C2 R2 L B		111	226	13.3	100	213	4.0	7.6	72.3
Power Plus®	4A67 AMXT TM*	M	C2 R2	G	109	214	13.5	100	217	3.9	8.0	72.7
Power Plus®	4Y34 AM TM*	M	C2	B	108	205	13.2	100		3.8	7.1	73.5
Power Plus®	5K33 AM TM*	M	C2	B	110	207	13.5	100		4.1	7.1	73.4
Power Plus®	6P73 AM TM*	M	C2	B	113	204	13.3	100		4.2	7.5	71.9
Power Plus®	6Z43 AMTM*	M	C2	B	112	215	13.7	100		4.0	7.7	72.9
Power Plus®	7M83 AM TM*	M	C2	B	115	210	14.2	100		4.3	7.0	72.8
Non-GMO Hybrids												
Prairie	8759				114	210	14.7	100		3.8	7.2	72.9
	Average					215	13.7	100		4.2	7.6	72.6
	L.S.D 25% Level					12	0.6	0		0.2	0.3	0.8
	CV (%)					5	3.7	0		4.4	3.9	1.0

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³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

