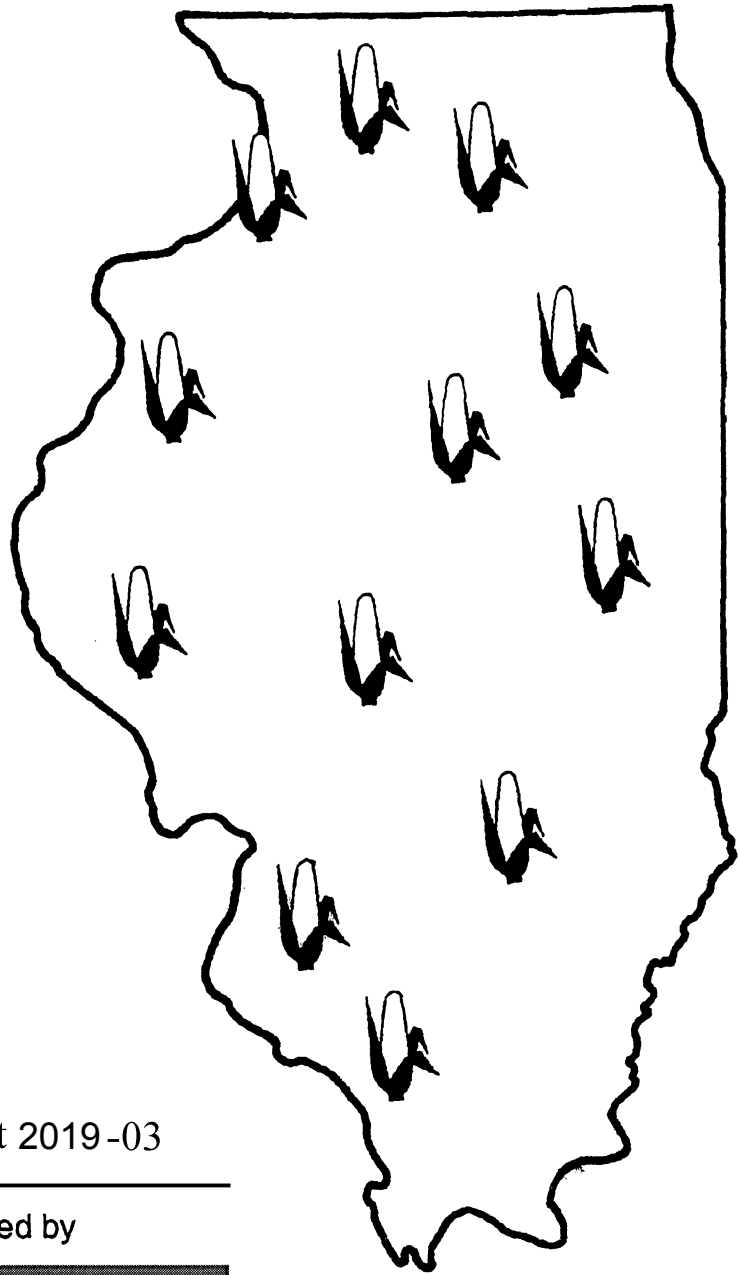

Corn Hybrid Test Results in Illinois-2019



Crop Sciences Special Report 2019-03

Performance Information Provided by

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	
Department of Crop Sciences	
http://vt.cropsci.illinois.edu	
	College of Agricultural, Consumer and Environmental Sciences

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Please visit our website for additional copies of the results

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This circular was prepared by D. K. Joos, Principal Research Specialist.
phone: 217-333-1194, e-mail: joos@illinois.edu.

PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 2019

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 2019, 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 189 corn hybrids from 21 companies tested in 2019.

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.

2019 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 24th.
Harvest date: November 9th.
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 24th.
Harvest date: November 9th.
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 23rd
Harvest Date: Not Harvested.
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: October 12th.
Nitrogen: (conv) 170lbs;
(CFC) 210lbs. as PPI 28%.
Herbicides: PRE- Harness Xtra. Post- Calisto, 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 23rd.
Harvest date: October 5th.
Nitrogen: 175 lbs. 45 lbs. 28% PRE
, 130 lbs. as 32% sidedress.
Herbicides: PPI- Parallel Plus; POST- Impact.
Fungicide: Headline AMP (VT).
Insecticide: Lambda (VT).
Tillage: Fall- V rip; Spring- vertical finisher.

Quincy

Location: University of Illinois, Orr Agricultural Research and Demonstration Center, Pike County, west of Perry, west-central Illinois.
Cooperator: Wes Chappell.
Soil type: Clarksdale silt loam.
Planting date: June 4th.
Harvest date: October 23rd.
Nitrogen: 220 lbs., 180 lbs. as 28% PPI, 30 lbs. as fall DAP.
Herbicides: 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: June 4th.
Harvest date: Not harvested.
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 26th.
Harvest date: October 20th.
Nitrogen: 200 lbs., 140 lbs. as PPI UAN, 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: Nick Eisenmenger, farm foreman.
Soil type: Flanagan silt loam.
Planting date: (conv) May 16th (CFC) June 3rd.
Harvest date: (conv) October 6th.
(CFC) October 24th.
Nitrogen: (Conv) 210 lbs. as 28% PPI.
(CFC) 210 lbs. as 28% PPI.
Herbicides: PPI- Resicore;
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: June 2nd.
Harvest date: October 22nd.
Nitrogen: 230 lbs. N as 28%, 150 lbs. as PPI, 80 lbs. as side dress.
Herbicides: PPE- Verdict, 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: June 1st.
Harvest date: October 22nd.
Nitrogen: 180 lbs. as spring NH3.
Herbicides: PPI- Medal II ATZ and Sotriion.
Fungicide: Trivapro at VT.
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: June 1st.
Harvest date: October 7th.
Nitrogen: 185 lbs. as Anhydrous (spring).
Herbicides: PPI- Lumax; POST- Impact.
Tillage: Fall- Chisel, Spring- field cultivator.

2019 CORN LOCATIONS

GROWING SEASON RAINFALL

Location	April	May	Jun	July	Aug	Sept	Total
Mt. Morris	3.15	7.12	4.08	1.53	3.57	9.86	32.03
DeKalb	3.63	7.07	2.98	1.91	4.17	10.4	33.35
Fenton	4.65	8.62	3.75	2.30	3.72	6.95	33.68
Monmouth	2.59	9.54	3.56	0.5	3.84	7.44	30.83
New Berlin	3.88	4.65	7.42	2.35	5.05	3.85	31.79
Perry	2.42	5.85	5.54	3.30	4.17	3.82	26.97
Dwight	3.46	8.26	5.37	4.25	1.17	8.15	34.67
Goodfield	3.38	6.98	4.78	1.55	3.43	7.79	31.59
Urbana	4.54	4.99	3.35	3.82	2.07	2.88	23.61
St. Peter	4.68	5.86	7.31	2.31	7.34	0.92	29.69
Belleville	5.54	6.81	5.32	5.82	7.89	1.10	35.02
Elkville	6.68	5.22	6.80	1.74	1.80	0.58	24.16



SOURCES OF SEED

AgVenture , Wehmeyer Seed,	www.agventure.com
Axis , Axis Seed Direct,	www.axisseed.com
B&A Genetics , B&A Genetics,	www.bagenetics.us
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
FS InVISION , FS InVISION	www.fsinvision.com
LG , LG Seeds,	www.lgseeds.com
Miller , Miller Hybrids,	www.millerhybrids.com
NuTech , NuTech Seed, LLC	www.nutechseed.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)
Wyffels Hybrids , Wyffels Hybrids,	www.wyffels.com

KEY TO REGIONS

- 1 (North) = Mt. Morris, DeKalb, Fenton
- 2 (W. Central) = Monmouth, Perry, 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

2019 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
AgVenture	AV4509AM.....				4			109	
AgVenture	AV7110AM.....				4			110	
AgVenture	AV7408AM.....				4			108	
AgVenture	AV7516AM.....				4			116	
AgVenture	AV8113AM.....				4			113	
AgVenture	AV8614AM.....				4			114	
AgVenture	AV8714AM.....				4			114	
AgVenture	AV8915AM.....				4			115	
AgVenture	RL8537AM.....				4			113	
AgVenture	RL8899AM.....				4			115	
AXIS	56K25RIB.....	1		3				106	
AXIS	58Z53RIB.....	1		3	5	7		108	
AXIS	60P29RIB.....	1		3				110	
AXIS	60R50RIB.....	1		3	5	7		110	
AXIS	61P54RIB.....	1		3	5	7		111	
AXIS	62A58RIB.....	1		3	5	7		112	
AXIS	63D58RIB.....	1		3	5	7		113	
AXIS	66N51RIB.....	1		3	5	7		116	
B&A GENETICS	BA19-07 SSTX.....		2	3				107	
B&A GENETICS	BA19-12 VT2P.....		2	3				112	
B&A GENETICS	BA19-14 VT2P.....		2	3				114	
B&A GENETICS	BA20-11 SSTX.....		2	3				111	
B&A GENETICS	BA20-11A VT2P.....		2	3				111	
B&A GENETICS	BA20-14 VT2P.....		2	3				114	
Burrus	6G34 VT2P.....		3	4		7		112	
Burrus	6Q76 SS.....		3			7		112	
Burrus	7U37 SS.....		3			7		115	
Burrus	8A12 VT2P.....			4				116	
Channel	209-15STXRIB.....	1	2	3				109	
Channel	209-15VT2PRIB.....			4				109	
Channel	210-79STXRIB.....	1	2	3				110	
Channel	211-44STXRIB.....	1	2	3				111	
Channel	212-90STXRIB.....	1						112	
Channel	213-19VT2PRIB.....			4				113	
Channel	213-93STXRIB.....	1	2	3				113	
Channel	215-60TREERIB.....			4				115	
Channel	216-36STXRIB.....		2	3				116	
Channel	217-76STXRIB.....		2	3				117	
Channel	217-76VT2PRIB.....			4				117	
Channel	218-44VT2PRIB.....			4				118	
Cornelius	7228VT2P.....	1	2					112	
Cornelius	7312SS.....	1						113	
Cornelius	7523VT2P.....		2					115	
Cornelius	C564SS.....	1						108	
Cornelius	C577SS.....	1						109	
Cornelius	C633DP.....	1	2					110	
Cornelius	C667DP.....	1	2					112	
Cornelius	C7125DP.....	1						111	
Cornelius	C7366DGD.....	2						113	
Cornelius	C7551SS.....	2			6			115	
Dairyland	DS-7004RA.....	1						104	
Dairyland	RPM-4310AM.....	1						103	
Dairyland	RPM-4329AM.....	1						105	
Dairyland	RPM-4440AM.....	1						104	
Dairyland	RPM-4580AMXT.....	1						105	
Dairyland	RPM-4840AM.....	1						108	
Dairyland	RPM-4910VAM.....	1						109	
Dairyland	RPM-5018AM.....	1						110	
Dekalb	DKC58-34RIB.....	1			5			108	
Dekalb	DKC59-81RIB.....	1	3	5				109	
Dekalb	DKC61-40RIB.....	1	3	5	6	7		111	

2019 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
Dekalb	DKC61-41RIB.....				2	4		111	
Dekalb	DKC62-52RIB.....	1	3	5	6	7		112	
Dekalb	DKC62-53RIB.....		2	4				112	
Dekalb	DKC63-57RIB.....		2	4				113	
Dekalb	DKC63-90RIB.....	1	3	5	6	7		113	
Dekalb	DKC63-91RIB.....		2	4				113	
Dekalb	DKC64-34RIB.....	1	3	5	6	7		114	
Dekalb	DKC64-35RIB.....		2	4				114	
Dekalb	DKC65-94RIB.....			3		6	7	115	
Dekalb	DKC65-95RIB.....		2	4				115	
Dekalb	DKC66-17RIB.....	1	2	3	4	6	7	116	
Dekalb	DKC70-26RIB.....			3		6	7	120	
Dekalb	DKC70-27RIB.....		2	4				120	
FS InVISION	FS 57ZX1 RIB.....	1						107	
FS InVISION	FS 58RL1 EZR.....	1	2	3				108	
FS InVISION	FS 59VL1 EZR.....	1						108	
FS InVISION	FS 60UX1 RIB.....	1	2	3	4			110	
FS InVISION	FS 6194V RIB.....	1	2	3	4			111	
FS InVISION	FS 62ZV1 RIB.....			4				112	
FS InVISION	FS 62ZX1 RIB.....	1	2	3				112	
FS InVISION	FS 63ZV1 RIB.....			4				113	
FS InVISION	FS 63ZX1 RIB.....	1	2	3				113	
FS InVISION	FS 64SV1 RIB.....			4				114	
FS InVISION	FS 64SX1 RIB.....	1	2	3				114	
FS InVISION	FS 6595V RIB.....	1	2	3	4			115	
FS InVISION	FS 66ZV1 RIB.....			4				116	
FS InVISION	FS 67SV1 RIB.....			4				117	
LG Seeds	LG5525STXRIB.....	1			5			105	
LG Seeds	LG5643VT2RIB.....		2					113	
LG Seeds	LG5650STXRIB.....						7	115	
LG Seeds	LG5650VT2RIB.....		2	3	4			115	
LG Seeds	LG59C66VT2PRO.....	1	2	3				109	
LG Seeds	LG59C72VT2.....	1						109	
LG Seeds	LG60C33VT2.....	1	2	3				110	
LG Seeds	LG62C02STX.....				5	6		112	
LG Seeds	LG62C02VT2PRO.....		2	3	4			112	
LG Seeds	LG62C35VT2.....		2	3	4			112	
LG Seeds	LG64C30TRC.....		2	3	4	6	7	114	
Miller Hybrids	M13-81.....	1						113	
NuTech Seed	5FB-2213AM.....	1	2	3	4			113	
NuTech Seed	5FB-8808AM.....	1	2					108	
NuTech Seed	5FB-9909AM.....	1	2	3	4			109	
NuTech Seed	5TB-6313AM.....		2	3	4			113	
NuTech Seed	65H2Q.....	1	2		5			105	
NuTech Seed	69A6Q.....	1	2	3	5	6	7	109	
NuTech Seed	70B2Q.....	1	2	3	4	5	6	7	110
NuTech Seed	74J1AML.....			3	4			114	
NuTech Seed	75G1Q.....	1	2	3	4	6	7	115	
Pioneer	P0825AMXT*.....	1						108	
Pioneer	P1093.....		2	3				110	
Pioneer	P1197.....		2	3				111	
Pioneer	P1197AM.....		2	3	4			111	
Pioneer	P1298AM.....		2	3				112	
Pioneer	P1366AM.....		2	3				113	
Pioneer	P1442.....		2	3				114	
Pioneer	P1464AML.....		2	3	4			114	
Pioneer	P1637AM.....			4				116	
Pioneer	P1847AML.....			4				118	
Power Plus®	5N78 Q.....			3		7		110	
Power Plus®	6Z43 AM TM*.....			3	4		7	113	
Power Plus®	7M83 AM TM*.....			4				115	

* see page 4 for key to RM and regions entered

2019 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
Power Plus®	7W63AM.....			3	4			7	115
Prairie	3259.....	1				5			105
Prairie	5141 ORG.....	1							108
Prairie	5447.....	1				5			109
Prairie	5787.....	1				5			108
Prairie	6212.....	1							111
Prairie	6878.....	1	2	3		5	6	7	112
Prairie	6903.....	1							109
Prairie	7355.....	1				3			112
Prairie	7387.....		2	3					112
Prairie	8229.....		2	3					114
Prairie	8290.....		2	3			6	7	114
Prairie	8759.....		2	3	4		6	7	114
Prairie	8904.....		2	3					114
Prairie	EX2209.....		2						115
Renk	RK710DGV2P.....	1							106
Renk	RK765VT2P.....	1							108
Renk	RK807SSTX.....	1	2	3		5	6	7	111
Renk	RK842SSTX.....	1	2	3		5	6	7	112
Renk	RK937VT2P.....	1	2	3					113
Renk	RK945DGV2P.....		2	3	4				115
Renk	RK961VT2P.....		2	3	4				116
Renk	RK965VT2P.....		2	3	4				116
Roeschley Hybrids	Rx06-40SS.....	1							106
Roeschley Hybrids	Rx10-36SS.....	1							110
Roeschley Hybrids	Rx11-58SS.....	1	2	3					111
Roeschley Hybrids	Rx12-70SS.....	1		3					112
Roeschley Hybrids	Rx14-70VT2P.....		2	3					114
Stone Seed	5218RIB.....	1							102
Stone Seed	5448RIB.....	1							104
Stone Seed	5638RIB.....	1							106
Stone Seed	5748RIB.....	1							107
Stone Seed	5852RIB.....					4			108
Stone Seed	5858RIB.....	1	2	3					108

2019 Corn Entries

Company	Name	*Regions Entered							RM
		1	2	3	4	5	6	7	
Stone Seed	5952RIB.....							4	109
Stone Seed	5958RIB.....			2	3				109
Stone Seed	6072RIB.....	1	2	3					110
Stone Seed	6182RIB.....							4	111
Stone Seed	6198RIB.....	1	2	3					111
Stone Seed	6362RIB.....							4	113
Stone Seed	6368RIB.....	1	2	3					113
Stone Seed	6458RIB.....		2	3					114
Stone Seed	6542RIB.....							4	115
Stone Seed	6548RIB.....			2	3				115
Stone Seed	6632RIB.....		2	3	4				116
Stone Seed	6738RIB.....							4	117
Stone Seed	DG6382RIB.....							4	113
Sun Prairie Seeds	SP2525 GSS.....			3					110
Sun Prairie Seeds	SP2785 RIB.....			3					112
Sun Prairie Seeds	SP2885 VT2P.....							4	114
Sun Prairie Seeds	SPX9883 SS.....			3	4				113
Sun Prairie Seeds	SPX9964 VT2P.....							4	114
Viking	O.18-06P.....	1	2						108
Viking	O.46-02P.....	1							100
Viking	O.48-08PGS.....	1	2						108
Viking	O.55-02UP.....	1							102
Viking	O.74-10GS.....	1	2	3					110
Viking	O.82-14PGS.....		2	3					114
Viking	O.85-00P.....	1							100
Whisnand	214SS.....			3	4				112
Whisnand	300SS.....			3	4				112
Whisnand	301SS.....			3	4				112
Wyffels Hybrids	W6826.....	1	2	3					111
Wyffels Hybrids	W7198.....	1						5	112
Wyffels Hybrids	W7696.....	1	2	3					113
Wyffels Hybrids	W7878.....	1	2	3		5	6	7	114
Wyffels Hybrids	W8228.....	2	3			6	7		115

* 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			Fenton			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			Fenton			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	18.2	7		
YIELDirect	4L87-RIB	M	C R	B	107	255	16.7	0	248	15.5	0	263	18.0	0	254	259
YIELDirect	4L97-RIB	M	C R	B	107	256	17.3	2	253	16.4	0	259	18.3	4	253	
YIELDirect	4M74-RIB	M	C R	B	105	259	17.5	1	262	17.0	0	257	18.0	2		
Non-GMO Hybrids																
FS InVISION	FS 58G00				108	267	20.3	4	278	20.4	0	256	20.1	8		
FS InVISION	FS 63Z00				113	249	20.8	0	255	19.7	0	244	21.9	1		
Miller Hybrids	M09-01	L			109	246	20.1	4	229	20.1	3	264	20.1	5		
Munson Hybrids	6863	L			108	251	21.0	4	273	20.4	0	229	21.6	8		
Munson Hybrids	6987	L			109	263	19.4	5	253	18.1	2	274	20.6	8		
OMG	4L59	L			106	261	18.6	5	256	17.1	3	265	20.1	8		
OMG	5M14	L			107	261	20.4	4	279	20.9	0	244	20.0	7	258	259
OMG	6E+63	L			111	270	21.2	5	250	21.3	0	291	21.1	9	267	
Prairie	2607				103	241	19.4	5	230	18.6	0	252	20.2	9	241	
Prairie	3415				104	252	18.4	4	254	18.6	2	250	18.2	6	248	246
Prairie	4718				106	253	20.3	7	253	18.8	6	252	21.7	9		
Prairie	5447				109	267	19.8	1	271	20.2	0	262	19.3	3	258	
Prairie	5787				108	269	20.4	4	280	20.5	0	259	20.2	7	264	
Prairie	5879				107	260	17.9	4	258	17.7	0	262	18.0	9	258	258
Prairie	6212				111	262	22.3	1	253	22.9	0	271	21.7	2	262	258
Prairie	6878				112	284	21.3	4	261	21.1	2	307	21.4	6	277	
Prairie	6903				110	245	18.9	3	242	19.1	0	248	18.8	6	247	250
Prairie	7355				112	229	23.8	4	237	22.2	2	221	25.4	6	247	249
Prairie	8904				114	256	21.9	2	240	21.6	0	271	22.3	4	251	
Viking	42-05	L			105	264	17.5	1	259	16.6	0	270	18.5	2		
Viking	51-04	L			104	252	18.7	4	258	18.2	2	247	19.1	7		
Viking	55-02	L			102	252	18.3	3	259	18.0	0	245	18.7	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			

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 DeKalb location was omitted due to poor data quality

2019 Hybrid Corn Test Results: West Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Monmouth		Perry		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 %	Yield bu/a	Mst %		
B&A GENETICS	BA19-07 SSTX	M	C2 R2 L B		107	232	17.2	100	246	19.1	190	18.4	260	14.1		
B&A GENETICS	BA19-12 VT2P	M	C2 L G		112	251	19.2	100	255	21.2	217	20.3	281	16.2		
B&A GENETICS	BA19-14 VT2P	M	C2 L G		114	240	21.9	100	238	20.9	209	26.4	273	18.3		
B&A GENETICS	BA20-11 SSTX	M	C2 R2 L B		111	232	19.4	95	247	22.3	194	18.9	255	16.9		
B&A GENETICS	BA20-11A VT2P	M	C2 L G		111	256	19.3	98	272	20.1	228	21.0	267	17.0		
B&A GENETICS	BA20-14 VT2P	M	C2 L G		114	251	20.5	100	243	20.3	229	23.8	282	17.4		
Channel	209-15STXRIB	M	C3 R2 L B		109	240	19.0	97	239	20.4	198	20.5	283	16.2	262	
Channel	210-79STXRIB	M	C3 R2 L B		110	246	19.9	100	247	22.7	224	20.7	268	16.3	261	
Channel	211-44STXRIB	M	C3 R2 L B		111	236	18.9	100	241	19.9	199	20.0	267	16.8		
Channel	213-93STXRIB	M	C3 R2 L B		113	242	20.5	100	246	20.6	203	22.7	276	18.3		
Channel	216-36STXRIB	M	C3 R2 L B		116	252	22.0	100	263	22.2	222	25.6	270	18.4	263 261	
Channel	217-76STXRIB	M	C3 R2 L B		117	238	21.6	100	228	21.4	207	26.0	278	17.4		
Cornelius	7228VT2P	L	C3 G		112	243	20.1	100	245	23.0	205	21.1	280	16.3	257	
Cornelius	7523VT2P	L	C3 G		115	242	21.5	100	248	21.4	205	24.6	274	18.4	259 260	
Cornelius	C633DP	L	C3 G		110	250	18.4	99	270	20.4	221	18.6	260	16.3		
Cornelius	C667DP	L	C3 G		112	239	19.9	100	247	20.7	202	22.6	266	16.4		
Cornelius	C7366DGDP	L	C3 G		113	247	19.9	100	230	21.2	241	21.4	271	17.0		
Cornelius	C7551SS	M	C3 R2 L B		115	233	22.0	100	221	22.4	207	24.8	271	18.7		
Dekalb	DKC61-41RIB	L	C2 L3 G		111	240	19.3	98	242	21.5	198	20.9	281	15.5		
Dekalb	DKC62-53RIB	L	C2 L3 G		112	239	20.6	100	241	23.2	205	22.0	271	16.6		
Dekalb	DKC63-57RIB	L	C2 L3 G		113	249	20.2	100	236	20.2	225	22.4	287	17.9		
Dekalb	DKC63-91RIB	L	C2 L3 G		113	246	20.1	100	233	21.9	215	22.0	290	16.5		
Dekalb	DKC64-35RIB	L	C2 L3 G		114	255	20.2	100	258	20.6	228	22.5	280	17.6		
Dekalb	DKC65-95RIB	L	C2 L3 G		115	248	21.3	100	253	21.4	228	24.8	265	17.7	267	
Dekalb	DKC66-17RIB	M	C2 R2 L2 B		116	248	21.3	100	247	21.6	220	24.1	277	18.1		
Dekalb	DKC70-27RIB	L	C2 L3 G		120	252	22.4	100	237	18.9	231	27.6	286	20.7	268	
FS InVISION	FS 58RL1 EZR	L	CR L G		108	225	20.0	100	238	22.0	177	21.1	260	16.8		
FS InVISION	FS 60UX1 RIB	M	C2 R2 L B		110	249	19.6	100	246	20.5	223	21.9	277	16.2	257	
FS InVISION	FS 6194V RIB	M	C2 G		111	246	20.1	100	250	22.1	216	20.7	271	17.4		
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L B		112	246	21.0	100	258	22.4	212	23.8	268	16.7	260	
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L B		113	229	20.9	98	218	20.3	202	24.7	268	17.8	252 250	
FS InVISION	FS 64SX1 RIB	M	C2 R2 L B		114	252	21.1	100	257	21.4	219	23.9	280	18.0	265 263	
FS InVISION	FS 6595V RIB	M	C2 G		115	245	21.9	100	240	21.4	214	25.6	281	18.8		
LG Seeds	LG5643VT2RIB	M	C2 G		113	260	20.9	100	256	22.2	230	23.1	295	17.3		
LG Seeds	LG5650VT2RIB	M	C2 G		115	248	21.4	100	251	23.6	222	23.8	271	16.8		
LG Seeds	LG59C66VT2PRO	M	C2 G		109	246	19.1	96	234	21.4	213	19.0	290	16.9	258	
LG Seeds	LG60C33VT2	M	C2 G		110	241	20.4	100	252	21.1	210	22.8	261	17.3		
LG Seeds	LG62C02VT2PRO	M	C2 G		112	244	19.4	100	246	21.2	195	20.1	290	17.0		
LG Seeds	LG62C35VT2	M	C2 G		112	248	20.8	100	247	20.8	217	24.5	281	17.3		
LG Seeds	LG64C30TRC	M	C2 R2 L2 B		114	230	20.4	100	211	19.5	212	22.9	267	18.7		
NuTech Seed	5FB-2213AM	M	C2 B		113	251	19.9	99	253	19.8	224	22.2	276	17.6		
NuTech Seed	5FB-8808AM	M	C2 B		108	237	17.7	100	234	18.6	214	18.3	263	16.1		
NuTech Seed	5FB-9909AM	M	C2 B		109	245	17.6	100	247	19.2	198	18.1	291	15.5	267	
NuTech Seed	5TB-6313AM	M	C2 B		113	227	21.4	100	235	21.7	186	24.7	261	17.8		
NuTech Seed	65H2Q	M	C2 R2 B		105	228	17.4	100	247	19.8	194	16.7	244	15.9		
NuTech Seed	69A6Q	M	C2 R2 B		109	234	18.4	100	235	20.1	187	19.3	279	15.9		
NuTech Seed	70B2Q	M	C2 R2 B		110	245	18.6	100	258	20.2	213	20.4	264	15.2		
NuTech Seed	75G1Q	M	C2 R2 B		115	247	20.9	100	245	20.0	206	23.9	290	18.6		
Pioneer	P1197AM	H	C2 B		111	255	18.8	98	242	20.5	220	19.6	302	16.5		
Pioneer	P1298AM	H	C2 B		112	239	19.6	100	225	19.7	211	21.8	282	17.3		
Pioneer	P1366AM	H	C2 B		113	240	19.3	100	232	20.6	186	20.2	303	17.2		
Pioneer	P1464AML	H	C2 L B		114	234	21.7	96	242	23.2	181	23.6	279	18.3		
Renk	RK807SSTX	M	C2 R2 L B		111	241	20.4	100	243	21.7	214	22.1	265	17.4		
Renk	RK842SSTX	M	C2 R2 L B		112	245	20.1	100	265	21.0	213	22.7	255	16.7	258 258	
Renk	RK937VT2P	L	C2 G		113	242	19.6	100	242	20.9	207	21.7	278	16.1		
Renk	RK945DGV2P	L	C2 G		115	252	20.8	100	242	20.0	231	23.9	283	18.7	269	
Renk	RK961VT2P	L	C2 G		116	234	20.4	100	232	21.4	203	23.1	266	16.7	253 255	
Renk	RK965VT2P	L	C2 G		116	242	21.7	100	242	20.5	224	26.0	260	18.5		
Roeschley Hybrids	Rx11-58SS	L	C2 R2 L B		111	237	20.8	99	238	22.6	207	22.0	265	17.9		
Roeschley Hybrids	Rx14-70VT2P	L	C2 G		114	240	22.2	100	251	20.7	223	27.1	244	18.9		
Stone Seed	5858RIB	H	C2 R2 L B		108	244	18.9	100	251	21.8	217	19.3	264	15.6	263	
Stone Seed	5958RIB	H	C2 R2 L B		109	242	18.5	100	249	21.3	208	18.6	269	15.6		
Stone Seed	6072RIB	M	C2 G		110	255	18.8	98	263	20.1	211	20.3	290	16.0		
Stone Seed	6198RIB	H	C2 R2 L B		111	243	19.1	100	260	20.7	202	19.5	268	17.0		
Stone Seed	6368RIB	H	C2 R2 L B		113	254	20.4	100	259	20.0	222	22.9	282	18.2	269 270	
Stone Seed	6458RIB	H	C2 R2 L B		114	243	20.4	100	252	19.7	212	24.5	263	16.9	257 254	
Stone Seed	6548RIB	H	C2 R2 L B		115	241	21.3	100	242	21.2	219	24.1	263	18.4		
Stone Seed	6632RIB	M	C2 G		116	243	21.6	100	235	22.0	221	24.7	272	18.2		

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

2019 Hybrid Corn Test Results: West Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			Monmouth		Perry		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 %	Yield bu/a	Mst %		
Wyffels Hybrids	W6826	M	C2	G	111	248	19.6	100	254	21.5	218	20.6	274	16.7		
Wyffels Hybrids	W7696	M	C2	G	113	252	20.6	100	249	20.8	217	23.8	288	17.3		
Wyffels Hybrids	W7878	M	C2 R2	B	114	248	21.1	100	267	20.9	198	25.1	278	17.1		
Wyffels Hybrids	W8228	M	C2 R2	B	115	246	20.4	100	260	19.7	207	23.7	270	17.9		
Non-GMO Hybrids																
Pioneer	P1093	H			110	240	18.6	100	245	21.0	209	18.9	268	15.9		
Pioneer	P1197	H			111	241	19.6	100	239	20.9	191	21.4	291	16.4		
Pioneer	P1442	H			114	245	21.1	98	246	21.9	192	23.5	298	18.0		
Prairie	6878				112	235	19.8	100	232	19.8	205	22.8	269	16.8	256	
Prairie	7387				112	237	20.8	95	240	21.0	199	24.6	272	16.7	249	249
Prairie	8229				114	243	22.0	98	250	21.9	204	25.5	276	18.5	255	258
Prairie	8290				114	245	22.3	100	253	20.3	217	26.4	264	20.3		
Prairie	8759				114	240	21.0	100	239	20.9	185	22.5	295	19.7	248	
Prairie	8904				114	238	20.3	100	255	20.8	189	22.7	270	17.5	250	250
Prairie	EX2209				115	240	21.2	100	246	20.9	218	25.0	255	17.6		
Viking	O.18-06P	L			108	222	19.0	100	227	23.4	201	17.9	236	15.6		
Viking	O.48-08PGS	L			108	223	18.5	100	218	19.7	194	18.4	257	17.3	238	
Viking	O.74-10GS	L			110	230	19.3	100	254	20.8	195	20.9	242	16.2	244	244
Viking	O.82-14PGS	L			114	244	20.3	100	264	21.2	192	20.6	275	19.1		
Average						242	20.1	100	246	21	210	22.2	272	17		
L.S.D 25% Level						12	1.3	2	16	2	10.7	1.03	9.0	1		
CV (%)						9	12.1	3	7	8	5.38	4.91	3.5	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

2019 Hybrid Corn Test Results: East Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			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 %		
AXIS	56K25RIB	L	C2	G	106	206	14.2	100	200	15.0	211	13.4		
AXIS	58Z53RIB	M	C2 R2 L	B	108	230	15.0	100	227	15.0	233	14.9		
AXIS	60P29RIB	L	C2	G	110	231	14.3	100	243	14.8	218	13.7	241	
AXIS	61P54RIB	M	C2 R2 L	B	111	233	15.9	100	258	17.0	208	14.8		
AXIS	62A58RIB	M	C2 R2 L	B	112	228	15.8	100	232	15.4	225	16.1	237	
AXIS	63D58RIB	M	C2 R2 L	B	113	228	15.8	100	232	15.1	225	16.6		
AXIS	66N51RIB	M	C2 R2 L	B	116	251	18.1	100	254	16.8	247	19.5		
B&A GENETICS	BA19-07 SSTX	M	C2 R2 L	B	107	214	13.8	100	219	14.0	210	13.6		
B&A GENETICS	BA19-12 VT2P	M	C2	L G	112	229	15.0	100	237	15.2	222	14.8		
B&A GENETICS	BA19-14 VT2P	M	C2	L G	114	223	17.9	100	226	16.4	219	19.4		
B&A GENETICS	BA20-11 SSTX	M	C2 R2 L	B	111	214	14.7	100	212	14.8	216	14.6		
B&A GENETICS	BA20-11A VT2P	M	C2	L G	111	229	15.0	100	237	16.0	221	14.0		
B&A GENETICS	BA20-14 VT2P	M	C2	L G	114	237	15.7	100	239	15.7	234	15.8		
Burrus	6G34 VT2P	L	C2	G	112	227	15.2	100	244	15.6	210	14.8		
Burrus	6Q76 SS	M	C2 R2 L	B	112	223	16.2	100	236	15.6	210	16.8		
Burrus	7U37 SS	M	C2 R2 L	B	115	223	15.5	100	220	14.1	227	16.9		
Channel	209-15STXRIB	M	C3 R2 L	B	109	234	14.6	100	237	14.9	231	14.3	245	
Channel	210-79STXRIB	M	C3 R2 L	B	110	226	15.2	100	224	14.9	227	15.5	238	
Channel	211-44STXRIB	M	C3 R2 L	B	111	240	15.4	100	260	15.3	221	15.4		
Channel	213-93STXRIB	M	C3 R2 L	B	113	250	17.6	100	266	17.4	234	17.7		
Channel	216-36STXRIB	M	C3 R2 L	B	116	237	16.7	100	244	15.2	229	18.1	247	247
Channel	217-76STXRIB	M	C3 R2 L	B	117	244	17.9	100	255	16.7	232	19.1		
Dekalb	DKC59-81RIB	M	C2 R2 L2	B	109	237	14.5	100	242	14.5	231	14.5		
Dekalb	DKC61-40RIB	M	C2 R2 L2	B	111	233	15.3	100	241	15.8	224	14.9		
Dekalb	DKC62-52RIB	M	C2 R2 L2	B	112	229	14.8	100	239	14.9	220	14.6	241	247
Dekalb	DKC63-90RIB	M	C2 R2 L2	B	113	264	15.5	100	289	15.9	239	15.1		
Dekalb	DKC64-34RIB	M	C2 R2 L2	B	114	247	16.4	100	253	16.1	242	16.6	252	253
Dekalb	DKC65-94RIB	M	C2 R2 L2	B	115	233	16.4	100	235	15.4	231	17.4		
Dekalb	DKC66-17RIB	M	C2 R2 L2	B	116	234	17.3	100	244	16.6	224	17.9		
Dekalb	DKC70-26RIB	M	C2 R2 L2	B	120	239	20.5	100	250	18.4	229	22.5		
FS InVISION	FS 58RL1 EZR	L	CR	L G	108	225	16.4	100	233	15.0	218	17.7		
FS InVISION	FS 60UX1 RIB	M	C2 R2 L	B	110	233	15.6	100	241	15.6	225	15.5	243	
FS InVISION	FS 6194V RIB	M	C2	G	111	234	14.6	100	248	15.5	220	13.7		
FS InVISION	FS 62ZX1 RIB	M	C2 R2 L	B	112	234	16.0	100	242	15.4	227	16.7	243	
FS InVISION	FS 63ZX1 RIB	M	C2 R2 L	B	113	236	16.6	100	255	16.7	217	16.4	242	245
FS InVISION	FS 64SX1 RIB	M	C2 R2 L	B	114	234	17.0	100	247	17.6	220	16.4	244	244
FS InVISION	FS 6595V RIB	M	C2	G	115	249	17.1	100	273	16.7	225	17.5		
LG Seeds	LG5650VT2RIB	M	C2	G	115	248	16.7	100	258	15.7	239	17.6		
LG Seeds	LG59C66VT2PRO	M	C2	G	109	239	15.0	100	245	15.5	233	14.5		
LG Seeds	LG60C33VT2	M	C2	G	110	222	16.4	100	236	15.8	208	16.9		
LG Seeds	LG62C02VT2PRO	M	C2	G	112	242	15.5	100	262	15.6	223	15.4		
LG Seeds	LG62C35VT2	M	C2	G	112	243	17.2	100	259	16.2	227	18.1		
LG Seeds	LG64C30TRC	M	C2 R2 L2	B	114	243	16.2	100	260	16.6	226	15.8		
NuTech Seed	5FB-2213AM	M	C2	B	113	249	16.5	100	259	16.6	240	16.4		
NuTech Seed	5FB-9909AM	M	C2	B	109	247	14.4	100	278	14.8	217	13.9	257	
NuTech Seed	5TB-6313AM	M	C2	B	113	237	17.3	100	245	17.4	230	17.2		
NuTech Seed	69A6Q	M	C2 R2	B	109	238	15.1	100	269	15.6	207	14.7		
NuTech Seed	70B2Q	M	C2 R2	B	110	235	15.8	100	240	14.9	230	16.7		
NuTech Seed	74J1AML	M	C2	L B	114	236	18.2	100	258	17.5	215	18.9		
NuTech Seed	75G1Q	M	C2 R2	B	115	248	18.0	100	265	17.5	231	18.6		
Pioneer	P1197AM	H	C2	B	111	260	16.2	100	279	16.0	241	16.4		
Pioneer	P1298AM	H	C2	B	112	239	16.7	100	255	16.2	222	17.3		
Pioneer	P1366AM	H	C2	B	113	256	15.5	100	283	16.0	228	15.0		
Pioneer	P1464AML	H	C2	L B	114	242	17.6	100	266	17.3	218	17.9		
Power Plus®	5N78 Q	H	C2 R2 L	B	110	254	16.0	100	271	16.2	236	15.7		
Power Plus®	6Z43 AM TM*	M	C2	B	113	241	16.8	100	239	16.3	242	17.3	255	
Power Plus®	7W63AM	M	C2	B	115	239	18.4	100	233	17.7	244	19.1		
Renk	RK807SSTX	M	C2 R2 L	B	111	233	16.2	100	247	15.9	218	16.5		
Renk	RK842SSTX	M	C2 R2 L	B	112	215	16.0	100	213	14.9	218	17.1	232	239
Renk	RK937VT2P	L	C2	G	113	243	15.8	100	261	15.0	224	16.6		
Renk	RK945DGV2P	L	C2	G	115	242	17.2	100	253	17.1	231	17.2	253	
Renk	RK961VT2P	L	C2	G	116	235	15.9	100	245	16.2	225	15.6	244	250
Renk	RK965VT2P	L	C2	G	116	222	17.6	100	215	16.8	228	18.5		
Roeschley Hybrids	Rx11-58SS	L	C2 R2 L	B	111	234	15.7	100	252	17.1	216	14.3		
Roeschley Hybrids	Rx12-70SS	L	C2 R2 L	B	112	229	15.9	100	246	15.3	212	16.5	241	
Roeschley Hybrids	Rx14-70VT2P	L	C2	G	114	238	19.2	100	246	17.1	229	21.3		
Stone Seed	5858RIB	H	C2 R2 L	B	108	236	14.7	100	244	14.6	227	14.7	244	

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

2019 Hybrid Corn Test Results: East Central Region (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	RM	Regional Results			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 %		
Stone Seed	5958RIB	H	C2 R2 L	B	109	241	14.7	100	248	14.7	233	14.7		
Stone Seed	6072RIB	M	C2	G	110	228	14.5	100	234	14.7	222	14.3		
Stone Seed	6198RIB	H	C2 R2 L	B	111	221	15.4	100	230	15.9	213	14.8		
Stone Seed	6368RIB	H	C2 R2 L	B	113	246	15.6	100	261	16.1	231	15.1	254	258
Stone Seed	6458RIB	H	C2 R2 L	B	114	244	16.9	100	256	15.8	232	18.0	250	252
Stone Seed	6548RIB	H	C2 R2 L	B	115	239	18.0	100	247	16.9	231	19.1		
Stone Seed	6632RIB	M	C2	G	116	230	16.4	100	236	15.8	224	17.0		
Sun Prairie Seeds	SP2525 GSS	M	C2 R2 L	B	110	237	14.9	100	249	15.2	224	14.6	246	
Sun Prairie Seeds	SP2785 RIB	M	C2	G	112	229	15.3	100	239	14.6	219	16.1	240	
Sun Prairie Seeds	SPX9883 SS	M	C2 R2 L	B	113	233	15.8	100	230	15.2	237	16.5		
Whisnand	214SS	L	C2 R2 L	B	112	223	14.9	100	221	14.6	226	15.2	240	249
Whisnand	300SS	L	C2 R2 L	B	112	229	14.7	100	228	14.8	229	14.6	224	
Whisnand	301SS	L	C2 R2 L	B	112	229	14.5	100	232	14.5	227	14.4	241	
Wyffels Hybrids	W6826	M	C2	G	111	239	14.8	100	251	15.3	226	14.3		
Wyffels Hybrids	W7696	M	C2	G	113	235	16.2	100	250	17.3	220	15.1		
Wyffels Hybrids	W7878	M	C2 R2	B	114	236	16.4	100	240	15.3	233	17.6		
Wyffels Hybrids	W8228	M	C2 R2	B	115	239	17.9	100	270	17.1	208	18.7		
Non-GMO Hybrids														
Pioneer	P1093	H			110	233	15.3	100	240	15.6	225	15.1		
Pioneer	P1197	H			111	254	15.8	100	288	16.3	220	15.3		
Pioneer	P1442	H			114	228	17.8	100	249	17.9	207	17.6		
Prairie	6878				112	237	15.8	100	250	16.8	223	14.7	250	256
Prairie	7355				112	238	16.7	100	250	15.5	226	17.8	244	247
Prairie	7387				112	232	16.2	100	236	15.5	227	16.9	239	244
Prairie	8229				114	236	18.5	100	243	18.5	228	18.5	245	249
Prairie	8290				114	231	20.0	100	242	19.8	220	20.1		
Prairie	8759				114	246	16.1	100	271	15.8	220	16.4	255	
Prairie	8904				114	219	16.3	100	216	16.7	222	15.8	233	240
Viking	O.74-10GS	L			110	216	15.5	100	231	15.5	201	15.5		
Viking	O.82-14PGS	L			114	243	15.8	100	272	16.5	214	15.2		
Average						234	16.0	100	244	15.9	225	16.2		
L.S.D 25% Level						16	1.1	0	15	0.6	10	0.8		
CV (%)						10	10.6	0	7	3.8	5	5.2		

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

2019 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 bu/a	3-yr Avg. bu/a		
						Yield bu/a	Mst %	% Erect Plants	Yield bu/a	Mst %	Yield bu/a	Mst %				
AgVenture	AV4509AM	M	C2	B	109	220	19.5	100	192	19.1	249	19.9				
AgVenture	AV7110AM	M	C2	B	110	213	19.2	100	179	18.3	246	20.0				
AgVenture	AV7408AM	M	C2	B	108	211	17.7	100	175	16.8	246	18.5				
AgVenture	AV7516AM	M	C2	B	116	222	21.8	96	190	21.8	254	21.9				
AgVenture	AV8113AM	M	C2	B	113	232	19.0	100	214	17.7	251	20.3	237			
AgVenture	AV8614AM	M	C2	B	114	227	21.2	100	194	21.3	260	21.1	230	221		
AgVenture	AV8714AM	M	C2	B	114	224	21.4	100	192	22.1	256	20.8	228	212		
AgVenture	AV8915AM	M	C2	B	115	218	21.2	92	198	21.0	238	21.3	216	211		
AgVenture	RL8537AM	M	C2	B	113	218	21.3	100	183	22.8	254	19.8	226	215		
AgVenture	RL8899AM	M	C2	B	115	230	20.4	100	194	20.7	267	20.1	233	226		
Burrus	6G34 VT2P	L	C2	G	112	232	19.0	100	205	17.2	259	20.9				
Burrus	8A12 VT2P	L	C2	G	116	232	25.5	100	209	26.4	256	24.6				
Channel	209-15VT2PRIB	L	C3	G	109	239	21.3	100	208	21.9	270	20.7	245			
Channel	213-19VT2PRIB	L	C3	G	113	237	23.4	100	210	23.5	264	23.2	240			
Channel	215-60TRERIB	L	C2	L	G	115	240	20.8	100	203	18.8	277	22.7	243		
Channel	217-76VT2PRIB	L	C3	G	117	224	23.1	100	184	23.3	263	22.8				
Channel	218-44VT2PRIB	L	C3	G	118	240	22.0	100	208	19.7	273	24.3				
Dekalb	DKC61-41RIB	L	C2	L3	G	111	233	19.8	100	203	19.5	264	20.1			
Dekalb	DKC62-53RIB	L	C2	L3	G	112	238	20.3	100	221	19.8	255	20.9	240		
Dekalb	DKC63-57RIB	L	C2	L3	G	113	247	20.9	100	227	21.5	266	20.3			
Dekalb	DKC63-91RIB	L	C2	L3	G	113	228	19.4	100	195	17.8	260	21.0			
Dekalb	DKC64-35RIB	L	C2	L3	G	114	237	21.7	100	198	21.8	277	21.5	238	227	
Dekalb	DKC65-95RIB	L	C2	L3	G	115	232	21.2	100	200	21.5	263	20.9	241		
Dekalb	DKC66-17RIB	M	C2	R2	L2	B	116	239	23.7	100	215	23.5	264	23.9		
Dekalb	DKC70-27RIB	L	C2	L3	G	120	232	25.0	100	200	24.9	264	25.0	240	231	
FS InVISION	FS 60UX1 RIB	M	C2	R2	L	B	110	231	20.2	100	214	20.8	249	19.5	229	
FS InVISION	FS 6194V RIB	M	C2	G	111	238	20.4	100	205	21.7	270	19.1				
FS InVISION	FS 62ZV1 RIB	L	C2	G	112	235	20.9	100	203	20.5	266	21.2				
FS InVISION	FS 63ZV1 RIB	L	C2	G	113	222	20.3	100	191	19.1	254	21.5				
FS InVISION	FS 64SV1 RIB	L	C2	G	114	224	22.2	100	186	23.0	262	21.4				
FS InVISION	FS 6595V RIB	M	C2	G	115	247	23.8	100	214	22.8	280	24.8				
FS InVISION	FS 66ZV1 RIB	L	C2	G	116	221	22.2	100	190	21.8	252	22.5	230	224		
FS InVISION	FS 67SV1 RIB	L	C2	G	117	232	23.4	100	205	23.1	259	23.8	232			
LG Seeds	LG5650VT2RIB	M	C2	G	115	240	20.7	100	215	20.4	265	21.1	243			
LG Seeds	LG62C02VT2PRO	M	C2	G	112	228	18.9	100	197	18.6	259	19.2	231			
LG Seeds	LG62C35VT2	M	C2	G	112	218	22.6	100	189	24.9	248	20.2				
LG Seeds	LG64C30TRC	M	C2	R2	L2	B	114	235	21.7	100	208	22.1	263	21.4		
NuTech Seed	5FB-2213AM	M	C2	B	113	226	19.9	100	204	19.8	248	20.0				
NuTech Seed	5FB-9909AM	M	C2	B	109	232	18.3	100	201	18.1	264	18.4				
NuTech Seed	5TB-6313AMXT	M	C2	B	113	221	22.2	92	192	22.0	249	22.4				
NuTech Seed	70B2Q	M	C2	R2	B	110	222	19.6	100	205	20.8	240	18.4			
NuTech Seed	74J1AML	M	C2	L	B	114	214	22.8	100	177	24.2	250	21.4			
NuTech Seed	75G1Q	M	C2	R2	B	115	236	21.9	100	208	22.0	264	21.8			
Pioneer	P1197AM	H	C2	B	111	231	18.4	100	189	17.3	273	19.5				
Pioneer	P1464AML	H	C2	L	B	114	224	21.4	100	188	20.6	259	22.1			
Pioneer	P1637AM	H	C2	L	B	116	219	23.0	100	173	24.1	266	21.9			
Pioneer	P1847AML	H	C2	L2	B	118	231	23.0	100	187	22.2	275	23.8			
Power Plus®	6Z43 AM TM*	M	C2	B	113	230	18.9	100	197	17.6	263	20.2	234			
Power Plus®	7M83 AM TM*	M	C2	B	115	210	20.3	91	188	19.6	231	21.1	217	215		
Power Plus®	7W63AM	M	C2	B	115	231	22.2	100	214	21.9	248	22.5				
Renk	RK945DGV2P	L	C2	G	115	226	23.2	100	195	23.8	257	22.6				
Renk	RK961VT2P	L	C2	G	116	237	21.2	100	215	21.1	260	21.2	233			
Renk	RK965VT2P	L	C2	G	116	232	23.0	100	209	24.1	256	21.9				
Stone Seed	5852RIB	M	C2	G	108	236	20.1	100	215	18.8	257	21.4				
Stone Seed	5952RIB	M	C2	G	109	224	18.4	100	197	18.0	250	18.7				
Stone Seed	6182RIB	M	C2	G	111	229	22.1	100	203	21.7	255	22.5	231	223		
Stone Seed	6362RIB	M	C2	G	113	238	19.2	100	200	18.6	276	19.8	241	236		
Stone Seed	6542RIB	M	C2	G	115	236	24.1	100	202	24.1	270	24.1	249			
Stone Seed	6632RIB	M	C2	G	116	239	23.3	100	208	23.2	269	23.4				
Stone Seed	6738RIB	H	C2	R2	L	B	117	214	23.2	100	184	23.9	244	22.5		
Stone Seed	DG6382RIB	M	C2	G	113	227	18.7	100	201	16.6	253	20.8				
Sun Prairie Seeds	SP2885 VT2P	M	C2	G	114	232	25.9	100	198	26.8	266	25.1				
Sun Prairie Seeds	SPX9883 SS	M	C2	R2	L	B	113	239	24.2	100	208	26.1	270	22.4		
Sun Prairie Seeds	SPX9964 VT2P	M	C2	G	114	240	22.6	92	223	23.8	257	21.3				
Whisnand	214SS	L	C2	R2	L	B	112	231	21.0	100	202	22.3	261	19.8	235	225
Whisnand	300SS	L	C2	R2	L	B	112	239	20.8	100	212	20.7	266	20.9	214	
Whisnand	301SS	L	C2	R2	L	B	112	231	21.1	100	199	22.4	263	19.9	234	
Non-GMO Hybrids																
Prairie		8759			114	229	22.6	100	197	21.4	262	23.7				
Average						230	21.4	99	201	21.3	260	21				
L.S.D 25% Level						11	1.6	3	13	2.0	10	0.94				
CV (%)						7	11.3	5	7	10.0	4	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

⁵The Elkville location was omitted due to poor data quality

2019 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	3-yr Avg. bu/a
Cornelius	C7551SS	M	C3 R2 L	B	115	237	21.6	100		
Dekalb	DKC61-40RIB	M	C2 R2 L2	B	111	258	19.6	100		
Dekalb	DKC62-52RIB	M	C2 R2 L2	B	112	229	21.1	100	248	244
Dekalb	DKC63-90RIB	M	C2 R2 L2	B	113	278	20.4	100		
Dekalb	DKC64-34RIB	M	C2 R2 L2	B	114	253	19.8	100	265	263
Dekalb	DKC65-94RIB	M	C2 R2 L2	B	115	252	21.4	100		
Dekalb	DKC66-17RIB	M	C2 R2 L2	B	116	243	22.1	100		
Dekalb	DKC70-26RIB	M	C2 R2 L2	B	120	253	24.2	100		
LG Seeds	LG62C02STX	M	C2 R2 L	B	112	233	21.4	100	238	
LG Seeds	LG64C30TRC	M	C2 R2 L2	B	114	230	22.8	100		
NuTech Seed	69A6Q	M	C2 R2	B	109	246	19.2	100		
NuTech Seed	70B2Q	M	C2 R2	B	110	230	19.5	100		
NuTech Seed	75G1Q	M	C2 R2	B	115	229	21.6	100		
Renk	RK807SSTX	M	C2 R2 L	B	111	232	21.5	100		
Renk	RK842SSTX	M	C2 R2 L	B	112	219	21.7	100		
Wyffels Hybrids	W7878	M	C2 R2	B	114	238	21.4	100		
Wyffels Hybrids	W8228	M	C2 R2	B	115	248	22.7	100		
Prairie	6878				112	245	20.8	100	256	
Prairie	8290				114	257	23.0	100		
Prairie	8759				114	249	23.4	100	260	
	Average					243	21.5	100		
	L.S.D 25% Level					12	0.7	0		
	CV (%)					5	3.2	0		

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

