

2020 Hybrid Corn Test Results: South Region (32,000 ppa)

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Yield bu/a	Regional Results			St Peter		Belleville		Elkville		2-yr Avg. bu/a	3-yr Avg. bu/a	St Peter Grain Quality			
							Moisture %	% Erect Plants	Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %	Oil @0%			Protein @0%	Starch @0%		
Early Maturity																					
AgVenture	AV4509AML	M	C2	R	L	B	109	218	18.5	100	206	18.3	224.1	19.0	222	18.3			4.2	8.1	70.9
AgVenture	AV4810AM	M	C2			B	110	227	19.7	100	202	20.2	231.1	19.8	248	19.0			3.4	8.1	72.7
NuTech	68A7AM	M	C2			G	108	236	18.7	100	212	18.2	250.1	19.2	247	18.6			4.0	7.9	71.7
NuTech	68B3AML	M	C2	R2	L	G	108	222	18.7	100	200	18.8	234.1	19.1	233	18.3			3.8	8.3	72.0
Pioneer	P1077AM	M	C2			B	110	227	19.4	100	200	20.0	241.9	19.6	238	18.7			3.9	7.7	71.4
Pioneer	P1099Q	M	C2	R2	L	B	110	224	18.5	100	200	19.5	236.7	18.3	236	17.8			4.0	7.6	71.9
	Average						222	18.9	100	194	18.8	238.3	19.5	234	18.4			4.1	8.1	71.5	
	L.S.D 25% Level						10	0.7	0	9	0.8	9.6	0.9	9	0.5			0.2	0.3	0.8	
	CV (%)						8	6.4	1	5	4.5	4.1	4.6	4	2.6			4.8	4.4	1.1	
Any Maturity																					
AgVenture	AV2712AM	M	C2			B	112	216	20.0	100	193	21.2	229.9	19.8	226	18.9			3.8	8.6	72.4
AgVenture	AV3917AML	M	C2	R	L	B	117	235	22.6	100	201	22.5	253.3	23.6	252	21.8			3.9	7.6	72.1
AgVenture	AV4313AM	M	C2			B	113	242	20.3	100	223	21.2	250.6	18.8	254	20.9			3.9	7.8	71.9
AgVenture	AV8113AM	M	C2			B	113	227	19.7	100	207	20.4	234.0	19.6	241	19.2	230	234	4.1	8.7	71.1
AgVenture	AV8614AM	M	C2			B	114	229	20.9	100	223	20.8	227.1	21.1	238	20.7	228	230	3.6	7.7	73.0
Beck's	6112V2P	M	C2		L2	G	111	225	19.5	100	197	19.4	244.7	19.7	234	19.2			4.1	8.1	71.6
Beck's	6374V2P	M	C2		L2	G	113	236	19.9	100	221	19.6	243.8	20.7	243	19.5			4.0	7.9	71.4
Beck's	6414V2P	M	C2		L2	G	114	231	20.2	100	204	21.2	249.3	21.1	241	18.4			4.0	7.9	72.1
Beck's	6557V2P	M	C2		L2	G	115	236	21.4	100	207	21.4	257.9	22.3	244	20.7			4.0	8.0	70.9
Beck's	6774V2P	M	C2		L2	G	117	236	22.6	100	204	23.8	272.8	23.7	232	20.4			3.9	8.8	71.0
Beck's	XL® 6282AM™	M	C2		L1	B	112	228	20.1	100	200	21.2	242.6	19.8	240	19.4			4.0	8.6	71.8
Burrus	6G34 VT2P	M	C2			G	112	210	19.1	100	166	19.5	238.6	19.2	226	18.6	221		4.1	8.1	71.4
Burrus	8A12 VT2P	M	C2			G	116	226	21.4	100	197	21.7	237.4	21.6	243	20.9	229		3.9	8.8	71.1
Channel	209-15VT2PRIB	L	C3			G	109	240	19.0	100	223	19.1	256.8	19.5	240	18.4	239	243	4.1	8.1	71.5
Channel	213-19VT2PRIB	L	C3			G	113	231	20.4	100	207	21.1	241.7	20.4	243	19.8	234	237	4.1	8.2	71.3
Channel	214-78DGV2PRIB	L	C3			G	114	245	20.2	100	214	20.8	259.9	19.5	262	20.3			4.3	8.4	70.8
Channel	215-60TRERIB	L	C2		L	G	115	240	21.5	100	208	22.6	258.7	20.7	254	21.3	240	242	3.9	8.3	71.1
Channel	218-44VT2PRIB	L	C3			G	118	235	22.0	100	190	22.2	254.9	23.7	260	20.1	238		3.9	8.5	71.2
Dekalb	DKC60-80RIB	M	C2			G	110	221	20.1	100	191	19.8	251.4	22.0	222	18.6			4.1	8.1	71.2
Dekalb	DKC62-53RIB	M	C2			G	112	232	19.1	100	226	18.0	240.6	19.8	230	19.5	235	237	4.2	8.9	71.1
Dekalb	DKC63-57RIB	M	C2			G	113	241	19.6	100	220	19.0	258.8	20.2	243	19.5	244		4.2	8.2	72.0
Dekalb	DKC64-64RIB	M	C2			G	114	225	20.5	100	195	20.1	242.3	21.5	238	19.8			3.9	7.8	71.7
Dekalb	DKC65-95RIB	M	C2			G	115	231	21.6	100	191	21.4	258.0	23.0	242	20.6	231	237	4.4	8.3	72.0
Dekalb	DKC66-18RIB	M	C2			G	116	226	21.7	100	188	21.7	248.8	23.3	242	20.2			4.4	8.0	70.9
FS InVISION	FS 6106X RIB	Mv	C2	R2	L	B	111	230	18.7	100	206	18.8	241.5	19.2	242	18.2			4.2	7.6	70.1
FS InVISION	FS 6194V RIB	Mv	C2			G	111	236	17.7	100	206	16.3	256.5	19.2	244	17.7	237		4.2	8.0	71.3
FS InVISION	FS 6306T RIB	Mv	C2	R	L	B	113	243	18.9	100	216	19.1	256.9	19.5	254	18.0			4.0	8.3	71.5
FS InVISION	FS 6395VDG RIB	Mv	C2			G	113	228	19.7	100	207	20.1	236.1	20.3	242	18.7			3.9	8.2	72.1
FS InVISION	FS 6406X RIB	Mv	C2	R2	L	B	114	232	21.4	100	203	22.2	259.5	22.4	234	19.5			4.5	8.2	71.7
FS InVISION	FS 6595V RIB	Mv	C2			G	115	239	22.6	100	202	23.6	252.9	23.8	262	20.5	243		4.0	8.2	71.7
FS InVISION	FS 6606T RIB	Mv	C2	R	L	B	116	236	24.2	100	207	25.8	243.4	24.7	256	22.0			4.0	8.0	72.1
FS InVISION	FS 67SV1 RIB	L	C2			G	117	224	23.1	100	195	25.5	243.1	22.7	234	21.0	228	230	4.3	8.8	70.5
NuTech	5FB-2213AM	M	C2			G	113	229	19.8	100	214	20.1	239.2	19.9	232	19.4	227		3.9	8.7	71.8
NuTech	70A8AM	M	C2			G	110	235	18.4	100	216	18.8	239.1	19.4	251	17.0			3.9	8.1	71.4
NuTech	70F2Q	M	C2	R2	L	G	110	229	19.4	100	199	19.4	250.1	20.1	239	18.7			4.0	8.4	71.6
NuTech	71F5CYR	M	C2			G	111	216	19.6	100	195	20.0	228.1	19.7	227	19.2			3.5	7.8	72.9
NuTech	72B7CYFR	M	C2	R2	L	G	112	216	19.8	100	189	21.1	226.0	20.4	234	17.9			4.3	8.7	70.4
NuTech	74B6AM	M	C2			G	114	232	20.7	100	187	21.7	252.8	20.1	257	20.4			4.1	7.6	71.6
NuTech	75D2AM	M	C2			G	115	207	21.1	100	178	20.3	223.1	22.0	221	21.2			4.2	7.5	71.6
NuTech	75G1AM	M	C2			G	115	226	22.7	100	202	23.5	241.5	21.7	235	23.1			4.0	8.7	71.6
NuTech	78A1YHR	M	C2			G	117	225	21.8	100	190	22.4	227.4	22.0	258	21.2			3.8	7.6	73.0
NuTech	5FB-9909AM	M	C2			G	109	239	17.2	100	215	16.8	255.1	17.1	247	17.7	235		4.0	7.6	71.7
Pioneer	P1108Q	M	C2	R2	L	B	111	234	19.7	100	206	20.3	247.3	20.0	250	18.8			4.3	8.2	71.1
Pioneer	P1197AM	M	C2			B	112	234	18.3	100	208	18.1	254.0	18.5	240	18.3	232		3.9	7.7	72.2
Pioneer	P1380AM	M	C2			B	113	234	20.8	100	222	21.9	234.4	21.2	244	19.4			3.6	7.9	72.3
Pioneer	P1464AML	M	C2		L	B	114	219	21.6	100	178	22.9	250.3	21.4	228	20.5	221		3.4	7.9	73.3

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Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Regional Results			St Peter		Belleville		Elkville		2-yr Avg.	3-yr Avg.	St Peter Grain Quality					
						Yield	Moisture	% Erect	Yield	Moisture	Yield	Moisture	Yield	Moisture			Oil	Protein	Starch			
						bu/a	%	Plants	bu/a	%	bu/a	%	bu/a	%			@0%	@0%	@0%			
Pioneer	P1847AML	M	C2	L	B	118	239	24.3	100	203	26.2	268.7	24.5	246	22.2	235				3.8	7.8	72.0
Power Plus	6J92AM	M	C2		B	113	240	20.2	100	225	20.1	254.7	20.1	241	20.4				3.9	7.5	71.9	
Power Plus	7W63AM	M	C2		B	115	227	22.5	100	194	23.7	249.4	22.3	237	21.5	229				3.9	8.6	71.5
Stone Seed	1221TRE	H	C2	R2	L	B	112	233	19.6	100	205	19.9	252.9	20.0	241	18.8				4.4	8.7	70.6
Stone Seed	1721DP	H	C2		L	G	117	238	24.7	100	210	26.0	252.5	24.9	252	23.3				4.6	8.2	71.0
Stone Seed	5852RIB	H	C2	L	G	108	220	19.5	100	187	19.0	225.8	20.1	247	19.4	228				4.0	7.7	71.4
Stone Seed	6072RIB	H	C2	L	G	110	229	18.8	100	214	19.0	233.3	18.5	241	18.9				4.2	8.4	71.1	
Stone Seed	6362RIB	H	C2		L	G	113	225	20.5	100	196	21.4	239.8	20.7	239	19.4	231	236		3.7	7.6	72.0
Stone Seed	6542RIB	H	C2	L	G	115	238	21.7	100	206	22.8	258.6	22.3	251	20.1	237	245		4.2	8.1	71.4	
Stone Seed	DG5942RIB	H	C2	L	G	109	223	19.0	100	190	19.0	238.0	19.9	240	18.1				3.9	8.3	71.9	
Stone Seed	DG6382RIB	H	C2		L	G	113	243	19.8	100	221	19.4	263.6	21.0	244	18.9	235		4.0	7.7	73.2	
Sun Prairie Seeds	SP2885	M	C2		G	114	221	22.9	100	192	25.4	238.0	21.2	234	22.2	227				3.9	8.5	71.9
Sun Prairie Seeds	SPX0713	M	C2		G	112	235	20.3	100	212	20.6	252.8	20.6	240	19.6				4.6	8.6	70.4	
Whisnand	214SS	L	C2	R2	L	G	112	213	21.0	100	187	22.6	221.6	21.1	230	19.3	222	227		3.9	8.3	71.4
Whisnand	301SS	H	C2	R2	L	G	114	230	21.1	100	201	22.0	242.1	21.9	246	19.5	230	233		4.0	8.2	71.0
Whisnand	303SS	M	C2	R2	L	B	114	237	20.6	100	212	21.3	246.0	21.0	252	19.5				4.1	7.7	71.7
Whisnand	304SS	M	C2	R2	L	B	111	235	20.7	100	210	20.0	249.2	22.4	245	19.9				3.7	7.8	72.4
Non-GMO Hybrids																						
Hi Fidelity	HFG1141	M				114	202	23.0	100	188	22.4	210.0	23.1	208	23.4					3.6	8.0	72.1
Hi Fidelity	HFG1142	M				114	226	22.9	100	211	22.0	239.3	25.1	226	21.8					3.9	7.9	72.0
Hi Fidelity	HFG1162	M				116	227	21.8	100	202	24.2	239.5	20.6	241	20.7					4.5	8.1	70.4
Prairie	8290					114	220	23.6	100	176	24.5	256.7	24.1	228	22.1					4.0	7.9	71.6
Prairie	8759					114	212	22.6	100	200	21.4	233.6	26.3	203	20.0	221				3.7	7.8	71.8
Prairie	8960					115	227	22.3	100	196	24.7	238.1	21.9	246	20.2					4.2	7.7	71.9
	Average						229	20.7	100	202	21.1	245.0	21.1	240	19.8					4.0	8.1	71.6
	L.S.D 25% Level						9	1.0	0	11	1.5	11.1	1.4	10	0.8					0.2	0.3	0.7
	CV (%)						7	8.5	0	6	7.6	4.8	6.9	4	4.0					4.3	4.0	1.1

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

	St Peter	Belleville	Elkville
Location			
County	Fayette	St. Clair	Jackson
Site Location	Click to see map	Click to see map	Click to see map
Host	Russ Schwarm	David and Dan Tiedeman	John and Trent Funk
Soil type	Hoyleton silt loam	Caseyville silt loam	Cisne silt loam
Planting date	April 20, 2020	April 20, 2020	April 15, 2020
Harvest date	September 22, 2020	October 22, 2020	September 18, 2020
Nitrogen applied	150 lbs. as PPI UAN	180 lbs as PPI NH3	185 lbs as PPI NH3
Herbicides			
PRE	Verdict, Roundup	Accuron	Lumax
POST	Impact	Impact	Impact
Tillage			
Spring	Field cultivator	Field cultivator	Field cultivator
Fall	None	None	Chisel
Latitude	38.87525995	38.53402705	37.96253966
Longitude	-88.88205581	-89.90481411	-89.09025876