

2021 Hybrid Corn Test Results: South Region (32,000 ppa)

Company	Name	IST <sup>1</sup>	GT <sup>2</sup>	HT <sup>3</sup>	Relative Maturity	Regional Results			St Peter		Belleville		Elkville			2-yr Avg. bu/a	3-yr Avg. bu/a	Belleville Grain Quality			
						Yield bu/a	Moisture %	Ldg 0-9	Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %	Ldg 0-9			Oil @0%	Protein @0%	Starch @0%	
<b>Early Maturity</b>																					
AgVenture	AV4509AML	M	C2	L	B	109	223	19.8	0.0	202	21.9	252.1	17.8	216	19.6	0.0	220	4.1	8.9	71.3	
AgVenture	AV4810AM	M	C2		B	110	236	20.6	0.0	225	23.1	240.0	19.1	243	19.6	0.0	232	3.3	8.7	72.3	
AgVenture	AV6409AM	M	C2		B	109	231	19.5	0.0	197	21.7	267.5	18.1	229	18.7	0.0		3.9	8.6	72.1	
AgVenture	AV9610AM	M	C2		B	110	240	20.2	0.0	216	22.5	264.7	19.0	239	19.2	0.0		3.9	8.2	72.0	
NuTech	68A7AM	M	C2		G	108	238	20.4	0.0	212	22.6	268.3	18.7	234	19.7	1.0	237	4.0	8.4	71.8	
NuTech	70A8AM	M	C2		G	110	232	19.7	0.0	208	21.8	256.7	17.8	232	19.6	0.0		3.8	8.4	72.4	
Pioneer	P1077AM	M	C2		B	110	226	20.1	0.0	194	22.0	259.1	18.6	225	19.8	0.0	226	3.7	8.8	71.9	
	<b>Average</b>						232	20.0		208	22.2	258.3	18.4	231	19.5			3.8	8.6	72.0	
	<b>L.S.D 25% Level</b>						10	0.3		13	1.0	9.8	0.6	14	0.6			0.1	0.2	0.6	
	<b>CV (%)</b>						7	3.1		6	4.4	3.8	3.5	6	3.1			3.5	2.7	0.8	
<b>Any Maturity</b>																					
AgVenture	AV2712AM	M	C2		B	112	211	21.6	0.0	194	25.0	228.0	18.5	211	21.4	0.0	214	3.7	9.0	71.9	
AgVenture	AV3715AM	M	C2		B	115	238	22.0	0.0	205	24.0	270.2	21.1	240	21.0	0.0		3.6	8.5	71.4	
AgVenture	AV3917AML	M	C2	L	B	117	234	24.1	0.0	209	27.0	274.3	21.0	219	24.2	0.0	235	4.0	8.3	71.5	
AgVenture	AV4313AM	M	C2		B	113	240	22.0	0.0	225	25.1	260.1	20.6	235	20.4	0.0	241	3.8	7.9	72.4	
AgVenture	AV5214AM	M	C2		B	114	234	22.3	0.0	205	25.2	263.3	21.0	233	20.8	0.0		3.8	8.8	71.0	
AgVenture	AV7516AM	M	C2		B	116	230	22.9	0.0	190	26.1	261.9	21.2	237	21.4	0.0		3.9	8.4	71.7	
AgVenture	AV9916AM	M	C2		B	116	218	23.5	0.0	188	26.2	236.8	21.8	228	22.4	0.0		3.9	8.4	71.7	
Burrus Seed	6Y61 DGV2P	M	C		G	113	227	22.9	0.0	186	25.7	271.5	20.7	224	22.1	0.0		4.1	8.6	71.0	
Burrus Seed	7K64 DGV2P	M	C		G	115	233	23.3	0.9	215	25.7	263.0	21.9	221	22.3	2.7		3.5	8.5	72.1	
Channel	210-46VT2PRIB	M	C2		B	110	254	21.7	0.0	242	24.3	264.9	19.4	256	21.4	0.0		4.3	8.7	71.2	
Channel	214-78DVT2PRIB	M	C2		B	114	238	25.3	0.0	197	31.7	266.2	20.3	251	23.9	0.0	242	4.0	9.3	70.7	
Channel	218-44VT2PRIB	M	C2		B	118	230	23.4	0.0	192	27.2	255.9	20.6	244	22.5	0.0	233	235	4.2	9.5	70.6
Dekalb	DKC59-82RIB	M	C2		G	109	239	20.6	0.0	209	23.3	281.5	18.7	228	19.7	0.0		4.0	8.5	71.8	
Dekalb	DKC62-70RIB	M	C2		G	112	242	24.3	0.0	216	29.0	275.7	20.5	234	23.4	0.0		4.1	8.0	71.6	
Dekalb	DKC62-89RIB	M	C2	L	G	112	234	20.7	0.0	191	21.3	266.1	20.2	245	20.6	0.0		3.9	8.1	72.0	
Dekalb	DKC63-57RIB	M	C2		G	113	232	21.3	0.7	194	24.3	263.4	18.5	240	21.2	2.0	237	240	4.0	8.7	71.5
Dekalb	DKC64-65RIB	M	C2		G	114	227	20.9	0.0	180	22.0	265.0	20.7	237	20.1	0.0		4.1	8.0	71.4	
Dekalb	DKC65-95RIB	M	C2		G	115	229	23.9	0.0	191	28.8	260.6	21.2	236	21.7	0.6	230	231	4.3	9.3	70.9
Dekalb	DKC66-18RIB	M	C2		G	116	230	23.6	0.0	184	27.5	269.2	20.8	237	22.5	0.6	228		4.3	8.6	71.0
Dekalb	DKC67-94RIB	M	C2	L	G	117	240	24.5	0.0	188	27.8	276.2	21.8	255	23.8	0.7		4.0	8.8	71.0	
NuTech	72D4AM	M	C2		G	112	245	21.1	0.0	199	23.6	271.1	19.5	265	20.2	0.7		3.5	8.3	72.1	
NuTech	74B6AM	M	C2		G	114	239	21.9	0.0	208	25.2	268.1	19.9	241	20.7	0.7	236		3.7	7.8	72.5
NuTech	74F3AM	M	C2		G	114	220	22.8	0.2	186	26.8	253.8	20.8	221	20.9	0.8		3.4	8.2	71.9	
NuTech	74F9AM	M	C2		G	114	231	22.9	0.0	199	24.2	260.8	23.2	233	21.2	0.8		3.7	8.4	71.3	
NuTech	77A5AM	M	C2		G	117	227	22.7	0.0	192	26.5	247.3	20.0	241	21.7	0.8		4.0	8.5	71.2	
Pioneer	P1185AM	M	C2		B	111	231	20.4	0.0	207	23.7	243.9	18.5	242	18.9	0.9		3.8	8.3	72.5	
Pioneer	P1359AM	M	C2		B	113	234	20.7	0.0	211	22.5	260.3	20.0	230	19.8	0.9		3.3	8.5	72.6	
Pioneer	P1380AM	M	C2		B	113	230	21.6	0.0	216	24.7	248.6	19.9	225	20.3	0.9	232		3.5	8.4	72.2
Pioneer	P1587Q	M	C2	R2	L	B	115	245	23.8	0.0	217	27.5	271.4	21.7	247	22.0	1.0		3.7	8.4	72.0
Pioneer	P1847AML	M	C2	L	B	118	239	26.5	0.3	225	32.2	263.3	23.1	230	24.2	1.0	239	236	3.9	8.1	71.8
Stone Seed	1132TRE	H	C2	L3	G	111	251	21.8	0.4	238	26.0	290.8	18.2	226	21.4	1.0		4.3	8.3	71.3	
Stone Seed	1221TRE	H	C2	L3	G	112	230	24.1	0.6	206	28.4	262.8	20.2	220	23.7	1.1	231		4.1	8.7	71.3
Stone Seed	1512TRE	H	C2	L3	G	115	241	23.4	0.0	216	27.6	271.7	19.6	234	23.0	1.1		4.0	9.7	70.6	
Stone Seed	1812DP	H	C2	L2	G	118	238	25.5	0.0	209	29.3	278.1	24.7	228	22.5	1.1		4.3	8.7	70.6	
Stone Seed	5852RIB	H	C2	L2	G	108	224	21.1	0.2	196	22.8	254.6	20.1	219	20.3	1.2	222	226	4.3	8.6	71.2
Stone Seed	6072RIB	H	C2	L2	G	110	225	20.9	0.0	181	22.3	255.2	19.5	240	21.0	1.2	227		4.1	8.5	71.5
Stone Seed	6542RIB	H	C2	L2	G	115	240	24.2	0.0	211	28.7	275.7	21.8	234	22.1	1.2	239	238	4.4	9.4	70.0
Stone Seed	DG6382RIB	H	C2	L2	G	113	245	20.3	0.0	219	21.0	268.3	19.6	247	20.4	1.3	244		3.7	8.2	72.8
Sun Prairie Seeds	SPX1814	M	C2	R2	B	114	235	23.1	0.0	207	26.6	261.9	20.8	237	22.0	1.3		3.9	9.0	71.2	
Sun Prairie Seeds	SPX1816	M	C2	R2	B	115	224	25.4	0.0	170	32.5	276.0	20.8	227	22.8	1.3		4.0	9.4	70.7	
Whisnand	303VT2P	L	C2		G	115	229	22.2	0.0	206	25.3	261.8	19.8	219	21.4	1.4		4.0	8.7	71.4	
Whisnand	304SS	L	C2	R2	B	112	224	20.5	1.0	193	22.7	264.2	17.9	216	21.0	1.4	230		3.6	8.1	72.3
<b>Non-GMO Hybrids</b>																					
Hi Fidelity	HFG1132	M				113	214	22.4	0.0	156	25.1	252.3	20.1	234	21.9	1.5		4.1	8.6	71.8	
Hi Fidelity	HFG1142	M				114	220	26.7	0.3	197	30.6	243.0	23.7	219	25.8	1.5	223		3.7	8.6	71.0
Hi Fidelity	HFG1152	M				115	230	23.5	0.0	217	25.8	248.8	21.8	224	23.0	1.5		3.6	9.4	71.2	
	<b>Average</b>						231	22.6		200	25.7	262.3	20.5	231	21.6			4.0	8.6	71.5	
	<b>L.S.D 25% Level</b>						12	1.3		12	1.4	10.6	0.8	10	0.9			0.1	0.2	0.5	
	<b>CV (%)</b>						9	10.7		6	5.9	4.3	4.2	5	4.1			3.9	2.9	0.7	

<sup>1</sup>Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

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

<sup>3</sup>Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

<sup>4</sup>Lodging Score - 0 = none 9 = all

Location	St Peter	Belleville	Elkville
County	Fayette	St. Clair	Jackson
Site Location	<a href="#">Click to see map</a>	<a href="#">Click to see map</a>	<a href="#">Click to see map</a>
Host	Russ Schwarm	David and Dan Tiedema	John and Trent Funk
Soil type	Hoyleton silt loam	Caseyville silt loam	Cisne silt loam
Planting date	May 2, 2021	May 2, 2021	April 22, 2021
Harvest date	September 19, 2021	September 27, 2021	September 20, 2021
Nitrogen applied	150 lbs. as PPI UAN 70 Lbs. as Sidedress	180 lbs as PPI NH3 None	200 lbs as PPI NH3 None
<b>Pesticides</b>			
PRE	Verdict, Roundup	Realm Q	Acuron, Princep
POST	Impact	Impact	Impact
Fungicide	None	Trivapro	yes
<b>Tillage</b>			
Spring	Field cultivator	Field cultivator	Field cultivator
Fall	None	None	Chisel
Latitude	38.90092485	38.53402705	37.96253966
Longitude	-88.88205581	-89.90481411	-89.09025876
<b>RainFall</b>			
April	1.9	2.9	3.5
May	4.5	2.7	3.6
June	5.1	5.1	3.6
July	8.2	6.2	4.6
August	6.5	3.1	3.0
September	1.7	2.8	4.0
Total	27.9	22.8	22.3