

## SOUTHWEST MO REGIONAL SUMMARY

	MATURITY	2020 SW MO REGIONAL AVG		STATE TESTS					THREE YEAR AVG		
		AVERAGE PERCENT	# OF PLOT LOCATIONS	GARDEN CITY	GARDEN CITY IRR.	LAMAR	NEVADA IRR.	URICH	2019	2018	2017
<b>HYBRID</b>											
349PR	108		0						85%		
381VLGA	108	102%	2		105%		99%		98%	96%	
429PR	110	100%	5	84%	92%	127%	101%	96%	98%	100%	103%
430PR	110		0						90%	101%	
570PR	112	110%	5	95%	107%	138%	100%	110%	110%	98%	97%
656PR - CHECK	113	102%	3	101%		111%		93%	107%	97%	
660PR DG	113		0								
669PR	114	102%	3	95%		106%		105%	117%		
721PR	115	118%	3	123%		126%		106%	122%		
770PR DG	115	106%	2		105%		107%		111%		
790SS	115		0						110%	102%	98%
801PR	117		0						108%		109%

### EXPERIMENTALS

XP106-1PR	106		0								
XP110-1PR (411PR)	110		0								
XP111-1TRE	111		0								
XP112-2PR	112		0								
XP113-1PR DG	113		0								
XP113-3TRE	113		0								
XP114-2PR (621PR)	114		0								
XP118-2PR	118		0								

TEST AVERAGE BU/ACRE:		140	265	93	130	199
-----------------------	--	-----	-----	----	-----	-----

- XP: Experimental Hybrids
- Percentages are percent of test average
- Each yield is adjusted to 15.5% moisture
- Plots are planted by relative maturity
- Yields are adjusted from the two nearest checks to accommodate for variability within the plot



**SOUTHWEST  
MISSOURI  
REPLICATED TEST**

**Nevada, MO**

Date Planted: 4/20/2020  
Soil Type: Barden Silt Loam

Date Harvested: 9/21/2020  
Tillage: No-Till

<b>RANK</b>	<b>HYBRID</b>	<b>YIELD</b>	<b>PAVG</b>	<b>TW</b>
1	XP113-3TRE	219.9	118%	59
2	801PR	215.8	116%	58
3	XP113-1PR DG	210.3	113%	58
4	XP111-1TRE	209.7	113%	57
5	570PR	205.0	110%	61
6	150PR	204.9	110%	56
7	CHANNEL 209-15VT2	203.4	110%	60
8	656PR	202.5	109%	57
9	DEKALB 62-53	200.9	108%	59
10	P1828AM	199.0	107%	59
11	XP106-1PR	193.5	104%	57
12	XP110-1PR (411PR)	193.4	104%	59
13	660PR DG	189.5	102%	59
14	381VLGA	188.1	101%	59
15	721PR	184.6	99%	63
16	430PR	184.1	99%	60
17	DEKALB 64-35	183.7	99%	60
18	XP118-2PR	182.8	98%	58
19	790SS	171.5	92%	59
20	669PR	169.4	91%	61
21	429PR	169.3	91%	60
22	XP112-2PR	165.5	89%	58
23	770PR DG	164.7	89%	59
24	349PR	163.0	88%	60
25	XP114-2PR (621PR)	162.7	88%	59
26	P1244AM	161.3	87%	59
27	DEKALB 60-88	157.0	85%	61
28	P1089AMXT	142.0	76%	62

Mn 185.6  
LSD(.10) 41.6  
CVErr 14.0



**SOUTHWEST  
MISSOURI  
STATE TESTS**

**2020 Missouri Non-Irrigated Corn Test  
Southwest Region: Garden City**

PLANTING DATE: 5/12/2020  
 HARVEST DATE: 10/15/2020  
 SOIL TYPE: KENOMA SILT LOAM  
 TILLAGE: CONVENTIONAL

Rank	Brand/Hybrid	Yield (bu/ac)	PAVG	Moisture (%)	Lodging (1-5)~
1	DeKalb DKC67-44RIB	181.8**	130%	14.7	1
2	Nutech Seed 72B7CYFR	174.0*	124%	15	1
3	Midland 721PR	172.1	123%	14.7	1
4	NK Seeds NK1082-3330	169.6	121%	14.1	1
5	Pioneer P1464AML	169.5	121%	14.6	1
6	Nutech Seed 78A1AM	166.9	119%	16.7	1
7	NK Seeds NK1188-5122	159.1	114%	14.3	1
8	Nutech Seed 74B6AM	157.2	112%	14.7	1
9	Dyna-Gro D53VC33	154.9	111%	13.4	1
10	Nutech Seed 70A8AM	146.9	105%	13.7	1
11	Blue River Organic Seed 66G25	142.1	101%	15.5	1
12	Midland 656PR	141.1	101%	15.4	1
13	DeKalb DKC70-27RIB	134.3	96%	18	1
14	NK Seeds NK1523-3220	134	96%	18	1
15	Midland 570PR	133.2	95%	14.9	1
16	Midland 669PR	132.7	95%	15	1
17	Pioneer P1197AM	131.2	94%	14.5	1
18	Nutech Seed E71H4AM	128.4	92%	14	1
19	Midland 429PR	117.2	84%	13.4	1
20	Nutech Seed 68A7AM	113.6	81%	13.9	1
21	Blue River Organic Seed 70A47	112.4	80%	17.3	1
22	Dyna-Gro D58VC65	109.4	78%	15.6	1
23	Nutech Seed 71F5CYFR	107.2	77%	13.3	1
24	Nutech Seed 2213AM	98.2	70%	14.8	1
25	Blue River Organic Seed 68C37	97.7	70%	16.1	1
26	Nutech Seed 68B3AML	90.2	64%	13.1	1
<b>MEAN</b>		140.0			
<b>LSD (0.10)</b>		9.4			
<b>CV (%)</b>		6.3			

\*\*Highest yielding variety in test

\*Yield not significantly less than the highest yielding variety in the test

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged



**SOUTHWEST  
MISSOURI  
STATE TESTS**

**2020 Missouri Irrigated Corn Test  
Southwest Region: Garden City**

PLANTING DATE: 5/11/2020  
 HARVEST DATE: 10/7/2020  
 SOIL TYPE: HAIG SILT LOAM  
 TILLAGE: MINIMUM

Rank	Brand/Hybrid	Yield (bu/ac)	PAVG	Moisture (%)	Lodging (1-5)~
1	DeKalb DKC70-27RIB	288.9**	109%	19.7	1
2	Midland 570PR	284.7*	107%	16.6	2
3	Midland 770PR DG	279.3*	105%	16	1
4	Midland 381VLGA E2	278.0*	105%	15.3	2
5	NK Seeds NK1523-3220	277.2*	105%	17.4	1
6	Pioneer P1197AM	276.7*	104%	14.5	1
7	DeKalb DKC67-44RIB	273.2	103%	17.1	2
8	NK Seeds NK1082-3330	259.4	98%	15	1
9	Pioneer P1464AML	243.9	92%	16.7	2
10	Midland 429PR	243.8	92%	15.6	1
11	NK Seeds NK1354-3220	243.2	92%	16.3	1
	<b>MEAN</b>	265	21.7		
	<b>LSD (0.10)</b>	14	0.5		
	<b>CV (%)</b>	4.9	2.1		

\*\*Highest yielding variety in test

\*Yield not significantly less than the highest yielding variety in the test

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged



**SOUTHWEST  
MISSOURI  
STATE TESTS**

**2020 Missouri Non-Irrigated Corn Test  
Southwest Region: Lamar**

PLANTING DATE: 4/18/2020  
 HARVEST DATE: 10/7/2020  
 SOIL TYPE: PARSONS SILT LOAM  
 TILLAGE: CONVENTIONAL

Rank	Brand/Hybrid	Yield (bu/ac)	PAVG	Moisture (%)	Lodging (1-5)~
1	Midland 570PR	128.6**	138%	13.7	1
2	DeKalb DKC70-27RIB	122.6	132%	17.7	1
3	Midland 429PR	118.7	127%	13.2	2
4	Midland 721PR	117.3	126%	14	1
5	Dyna-Gro D58VC65	116.8	125%	16.1	2
6	Nutech Seed 2213AM	112.2	121%	13.5	2
7	NK Seeds NK1082-3330	110.7	119%	13	1
8	NK Seeds NK1188-5122	110.3	118%	14.5	1
9	DeKalb DKC67-44RIB	109	117%	16.6	1
10	Dyna-Gro D53VC33	109	117%	12.8	2
11	Midland 656PR	103.4	111%	15.5	1
12	Midland 669PR	98.9	106%	14.9	2
13	Pioneer P1197AM	97.5	105%	12.7	1
14	Nutech Seed 72B7CYFR	88.3	95%	16	1
15	Nutech Seed 68B3AML	87.9	94%	12.4	1
16	Pioneer P1464AML	87.9	94%	15.6	1
17	Nutech Seed 68A7AM	84.4	91%	12.9	1
18	Nutech Seed E71H4AM	83.5	90%	13.7	1
19	Nutech Seed 70A8AM	81.7	88%	13.6	1
20	Blue River Organic Seed 68C37	80	86%	16.2	2
21	Nutech Seed 78A1AM	76.3	82%	18.9	1
22	Nutech Seed 71F5CYFR	70.2	75%	14.4	1
23	Blue River Organic Seed 66G25	66.2	71%	13.3	3
24	Nutech Seed 74B6AM	53	57%	14.2	1
25	Blue River Organic Seed 70A47	51.5	55%	13.1	2
26	NK Seeds NK1523-3220	50.6	54%	16	1
<b>MEAN</b>		93.1			
<b>LSD (0.10)</b>		4.6			
<b>CV (%)</b>		4.7			

\*\*Highest yielding variety in test

\*Yield not significantly less than the highest yielding variety in the test

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged



**SOUTHWEST  
MISSOURI  
STATE TESTS**

**2020 Missouri Irrigated Corn Test  
Southwest Region: Nevada**

PLANTING DATE: 4/17/2020  
 HARVEST DATE: 10/2/2020  
 SOIL TYPE: PARSONS SILT LOAM  
 TILLAGE: CONVENTIONAL

Rank	Brand/Hybrid	Yield (bu/ac)	PAVG	Moisture (%)	Lodging (1-5)~
1	DeKalb DKC70-27RIB	145.0**	111%	20.5	1
2	DeKalb DKC67-44RIB	140.9*	108%	20.9	1
3	Midland 770PR DG	139.8*	107%	20.1	1
4	Midland 429PR	131.4	101%	16.7	1
5	Midland 570PR	130.2	100%	17.1	1
6	Midland 381VLGA E2	128.5	99%	14.4	1
7	NK Seeds NK1082-3330	127.2	98%	14.3	1
8	NK Seeds NK1354-3220	127.1	98%	17	1
9	Pioneer P1464AML	123.7	95%	16.2	1
10	Pioneer P1197AM	122	94%	14.1	1
11	NK Seeds NK1523-3220	119.3	92%	19.2	1
	<b>MEAN</b>	130.1	21.7		
	<b>LSD (0.10)</b>	10.9	0.5		
	<b>CV (%)</b>	7.9	2.1		

\*\*Highest yielding variety in test

\*Yield not significantly less than the highest yielding variety in the test

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged



**SOUTHWEST  
MISSOURI  
STATE TESTS**

**2020 Missouri Non-Irrigated Corn Test  
Southwest Region: Urich**

PLANTING DATE: 4/20/2020  
 HARVEST DATE: 9/23/2020  
 SOIL TYPE: HARTWELL SILT LOAM  
 TILLAGE: NO-TILL

Rank	Brand/Hybrid	Yield (bu/ac)	PAVG	Moisture (%)	Lodging (1-5)~
1	Dyna-Gro D58VC65	218.1**	110%	23.9	1
2	Midland 570PR	217.9*	110%	22.7	1
3	Nutech Seed 70A8AM	217.8*	110%	19.9	1
4	NK Seeds NK1082-3330	211.9*	107%	20.6	1
5	DeKalb DKC70-27RIB	211.7*	106%	24.4	1
6	Dyna-Gro D53VC33	211.3*	106%	20.6	1
7	Midland 721PR	209.9	106%	22.1	1
8	Midland 669PR	209.1	105%	22.2	1
9	Nutech Seed 74B6AM	206.1	104%	21.2	1
10	Nutech Seed E71H4AM	204.2	103%	20.1	1
11	Nutech Seed 2213AM	200.9	101%	21.1	1
12	Pioneer P1197AM	199.5	100%	19.9	1
13	DeKalb DKC67-44RIB	196.7	99%	22.2	1
14	Nutech Seed 78A1AM	194.5	98%	22.9	1
15	NK Seeds NK1188-5122	191.8	96%	22.1	1
16	Midland 429PR	190.8	96%	20.7	1
17	Nutech Seed 68B3AML	190.5	96%	19.3	1
18	Nutech Seed 68A7AM	189.6	95%	20	1
19	Pioneer P1464AML	188.9	95%	21.7	1
20	Nutech Seed 72B7CYFR	188.8	95%	21.7	1
21	Midland 656PR	184.1	93%	23.4	1
22	Nutech Seed 71F5CYFR	180.1	91%	20.2	1
23	Blue River Organic Seed 68C37	174.7	88%	21.8	1
24	NK Seeds NK1523-3220	171.3	86%	25.1	1
25	Blue River Organic Seed 66G25	157.1	79%	20.7	1
26	Blue River Organic Seed 70A47	151	76%	21.1	1
<b>GRAND MEAN</b>		198.9	21.7		
<b>LSD (10%)</b>		8.1	0.5		
<b>CV (%)</b>		3.8	2.1		

\*\*Highest yielding variety in test

\*Yield not significantly less than the highest yielding variety in the test

~Lodging rated on a 1 to 5 scale where 1 = fewer than 20% plants lodged and 5 = more than 80% plants lodged