

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

## 2021 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO  
Randy & Danny Kircher, Howard County, MO 65274

<b>Early-Season Test</b>	107 - 112 Day CRM B2021MOCE03a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Gramoxone, Sonic, Zidua, Roundup
<b>SOIL DESCRIPTION:</b>	Lomo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.1 pH, 1.4% OM, 19.5 CEC
<b>PEST MANAGEMENT:</b>	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring
<b>Applied N-P-K (units):</b>	200-70-50
<b>SEEDED - RATE - ROW:</b>	May 13 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 28 28.6 /A

### TEST COMMENTS:

Normal rainfall from planting to around maturity here is 18.2", and May and June had 19.4". This is a well-drained soil location. However, crop establishment, root development, and yield were all affected by excessive rainfall. Water damage caused some stand reduction across both tests. Danny commented how this was the worst cropping year he has seen. Seeing how hybrids perform in punishing conditions seems to be a familiar theme this year in Central Missouri. Trial yield averages are approximately half of last year. One water-damaged replicate was removed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
NuTech	70A8AM ↗	AM	110	<b>157.2</b>	14.2	1	28.0	786	1	
Golden Harvest	G10D21-3330 EZR ↗	3330	110	<b>157.0</b>	13.6	1	29.7	785	2	
AgriGold	A641-54VT2RIB GC ↗	VT2P	111	<b>156.6</b>	14.0	1	29.7	783	3	
Midland Genetics	582TRE RIB ↗	TRE	111	<b>154.9</b>	13.8	1	29.3	774	4	
Dyna-Gro	D51VC67 ↗	VT2P	110	<b>148.2</b>	13.6	1	30.0	741	5	
Midland Genetics	570PR RIB ↗	VT2P	112	<b>146.9</b>	14.2	1	29.7	734	6	
Lewis	08DP739 ↗	VT2P	108	<b>146.2</b>	12.9	1	29.3	731	7	
Midland Genetics	660PR DG RIB ↗	VT2PDG	113	<b>145.4</b>	14.2	1	28.3	727	8	
Pioneer	P1108Q GC ↗	QR	111	144.0	14.0	1	29.3	720	9	
Midland Genetics	411PR RIB ↗	VT2P	110	143.6	13.3	1	28.7	718	10	
<b>Burrus</b>	<b>POWER PLUS 5L44AM ↗</b>	<b>AM</b>	<b>110</b>	<b>142.5</b>	<b>13.9</b>	<b>1</b>	<b>29.0</b>	<b>712</b>	<b>11</b>	
Golden Harvest	G10L16-3220A EZR ↗	3220A	110	140.3	13.0	1	28.7	702	12	
FS InVision	FS 6017V RIB ↗	VT2P	110	140.1	13.4	1	28.7	700	13	
Midland Genetics	381VLGA EZ1 ↗	3220A	108	140.0	13.2	1	28.7	700	14	
NuTech	72D4AM ↗	AM	112	139.6	14.0	1	29.0	698	15	
FS InVision	FS 6106X RIB ↗	STX	111	137.8	12.8	1	29.3	689	16	
<b>Burrus</b>	<b>POWER PLUS 4C14AM ↗</b>	<b>AM</b>	<b>108</b>	<b>137.8</b>	<b>13.3</b>	<b>1</b>	<b>27.0</b>	<b>689</b>	<b>17</b>	
Pioneer	P0995AM GC ↗	AM	109	137.7	13.9	1	27.3	688	18	
Lewis	09DD740 ↗	VT2PDG	109	136.6	13.0	1	29.3	683	19	
NuTech	72B7Q ↗	QR	112	135.5	14.1	1	28.7	678	20	
Lewis	11DT912 ↗	TRE	111	135.2	14.2	1	28.3	676	21	
FS InVision	FS 5909D2A EZR ↗	5222A	109	135.1	13.9	1	28.3	676	22	
Lewis	12DT302 ↗	TRE	112	135.0	14.1	1	28.7	675	23	
Great Heart	HT-7256DGVT2P ↗	VT2PDG	112	134.2	13.9	1	28.3	671	24	
NK Brand	NK1082-3220A EZR ↗	3220A	110	130.8	13.5	1	28.7	654	25	
Augusta	A1259-5222 ↗	5222	109	128.7	13.6	1	29.0	644	26	
NK Brand	NK1188-3120 EZR ↗	3120	111	128.0	14.7	1	28.3	640	27	
Lewis	10DP719 ↗	VT2P	110	127.9	12.9	1	27.3	640	28	
Golden Harvest	G11V76-3120 EZR ↗	3120	111	127.0	14.2	1	28.0	635	29	
FS InVision	FS 5815V RIB ↗	VT2P	108	125.6	12.9	1	28.0	628	30	
Pioneer	P1380AM CK	AM	113	117.7	14.4	1	28.3	588	35	
				<b>Averages =</b>	<b>136.2</b>	<b>13.7</b>	<b>1</b>	<b>28.6</b>	<b>681</b>	
				<b>LSD (0.10) =</b>	8.9	0.4	ns			
				<b>LSD (0.25) =</b>	4.6	0.2	ns			
				<b>C.V. =</b>	6.1					
										Historic yield: 224.47 bu/a, 3 yr(s)

William Schelp

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**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00; non-GMO = \$5.00

Report Date: 10/08/2021

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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## 2021 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO  
Randy & Danny Kircher, Howard County, MO 65274

<b>Full-Season Test</b>	113 - 118 Day CRM B2021MOCE03b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybean / Gramoxone, Sonic, Zidua, Roundup
<b>SOIL DESCRIPTION:</b>	Lomo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, high P, very high K, 5.1 pH, 1.4% OM, 19.5 CEC
<b>PEST MANAGEMENT:</b>	Degree Xtra, Atrazine, Glyphosate, Force 6.5g
<b>FERTILITY - Applied N:</b>	200 Spring
<b>Applied N-P-K (units):</b>	200-70-50
<b>SEEDED - RATE - ROW:</b>	May 13 30.4 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 28 28.5 /A

### TEST COMMENTS:

Normal rainfall from planting to around maturity here is 18.2", and May and June had 19.4". This is a well-drained soil location. However, crop establishment, root development, and yield were all affected by excessive rainfall. Water damage caused some stand reduction across both tests. Danny commented how this was the worst cropping year he has seen. Seeing how hybrids perform in punishing conditions seems to be a familiar theme this year in Central Missouri. Trial yield averages are approximately half of last year. One water-damaged replicate was removed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G17E95-3110 ↗	3110	117	<b>173.2</b>	16.2	1	29.3	859	1
NK Brand	NK1321-3120 EZR ↗	3120	113	<b>171.0</b>	15.0	1	29.3	855	2
Lewis	15DP899 ↗	VT2P	115	<b>170.7</b>	15.1	1	29.0	853	3
Midland Genetics	662TRE RIB ↗	TRE	113	<b>168.5</b>	13.9	1	30.0	842	4
Golden Harvest	G13P84-3120 EZR ↗	3120	113	<b>167.8</b>	14.9	1	29.0	839	5
Lewis	17DP651 ↗	VT2P	117	<b>166.5</b>	16.1	1	29.3	826	7
<b>Burrus</b>	<b>7K64 DGVT2P ↗</b>	<b>VT2PDG</b>	<b>115</b>	<b>165.9</b>	<b>14.3</b>	<b>1</b>	<b>28.0</b>	<b>830</b>	<b>6</b>
Lewis	16DP850 ↗	VT2P	116	<b>162.3</b>	16.3	1	29.7	804	11
NuTech	74B6AM ↗	AM	114	<b>161.9</b>	14.8	1	29.7	810	8
Dyna-Gro	D55VC80 ↗	VT2P	115	<b>161.8</b>	15.3	1	28.7	807	9
Pioneer	P1870AM GC ↗	AM	118	<b>161.0</b>	14.6	1	29.0	805	10
Midland Genetics	782PR RIB ↗	VT2P	115	155.3	14.4	1	29.0	776	12
FS InVision	FS 6306T RIB ↗	TRE	113	154.0	13.5	1	28.0	770	13
Midland Genetics	801PR RIB ↗	VT2P	117	151.4	15.7	1	28.7	753	14
Lewis	15DT512 ↗	TRE	115	150.6	14.6	1	29.0	753	15
Great Heart	HT-7302VT2P ↗	VT2P	113	149.9	14.4	1	27.3	750	16
Lewis	13DT272 ↗	TRE	113	148.9	14.0	1	28.7	744	17
FS InVision	FS 6818V RIB ↗	VT2P	118	148.5	16.1	1	29.0	737	19
NK Brand	NK1661-3120A EZR ↗	3120A	116	147.5	15.0	1	29.7	738	18
NK Brand	NK1523-3220 EZR ↗	3220	115	147.4	15.4	1	29.3	735	20
AgriGold	A645-16VT2RIB GC ↗	VT2P	115	146.0	15.2	1	29.0	729	21
Midland Genetics	621PR RIB ↗	VT2P	114	145.3	14.7	1	28.3	726	22
Midland Genetics	752TRE RIB ↗	TRE	115	145.3	14.6	1	28.3	726	23
Dyna-Gro	D54VC34 ↗	VT2P	114	142.3	14.4	1	28.3	712	24
NuTech	74F3AM ↗	AM	114	141.1	14.5	1	28.3	706	25
FS InVision	FS 6595V RIB ↗	VT2P	115	140.8	15.6	1	30.3	701	26
FS InVision	FS 6395VDG RIB ↗	VT2PDG	113	138.7	14.0	1	29.0	694	27
Golden Harvest	G15J91-3220 EZR ↗	3220	115	136.8	14.7	1	27.0	684	28
Golden Harvest	G13D55-3220 EZR ↗	3220	113	135.8	14.3	1	27.7	679	29
Golden Harvest	G16Q82-3120A EZR ↗	3120A	116	134.5	15.0	1	26.3	672	30
Pioneer	P1380AM CK	AM	113	112.9	14.1	1	28.0	564	34
				<b>Averages =</b>	<b>147.5</b>	<b>14.9</b>	<b>1</b>	<b>28.5</b>	<b>736</b>
				<b>LSD (0.10) =</b>	11.4	0.6	ns		
				<b>LSD (0.25) =</b>	6.0	0.3	ns		
				<b>C.V. =</b>	7.3				
				Historic yield: 224.47 bu/a, 3 yr(s)					

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