

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

2020 Soybeans Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO
Jeff Gaskill, Buchanan County, MO 64098

Early-Season Test	3.2 - 3.7 Day CRM S2020MONO01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Impact, Glyphosate
SOIL DESCRIPTION:	Haynie silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 7.8 pH, 2.6% OM, 16.9 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Authority Elite, Zidua, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 132.8 /A

TEST COMMENTS:

Planting went well and was timely. Great soil conditions. Excellent and uniform emergence. Rainfall seemed to be an "all-or-nothing" kind of year. Very much above-average precipitation for the month of July. And under 1.5" of rain fell in August. Standing well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
STINE	36EB32 §	E3	3.6	R	66.2	12.7	4	127.7	662	1
HOEGEMEYER	3350 E	E3	3.3	R	65.5	13.8	1	125.0	654	2
DYNA-GRO	S36ES70	E3	3.6	R	64.6	13.2	1	122.0	646	3
CREDENZ	CZ 3480GTLL	LLGT27	3.4	R	63.8	12.5	1	131.7	638	4
FS HISOY	HS 34E80	E3	3.4	R	63.6	12.4	3	133.7	636	5
GOLDEN HARVEST	GH3582E3	E3	3.5	R	62.7	12.4	2	137.7	627	6
CREDENZ	CZ 3309GTLL	LLGT27	3.3	R	62.5	12.2	3	131.7	625	7
APEX	AE3610	E3	3.6	R	62.3	13.0	2	133.7	623	8
NK BRAND	S35-K9X	RRX	3.5	R	61.7	12.5	1	126.0	617	9
LEWIS	3682X	RRX	3.6	R	61.4	11.5	2	139.3	614	10
DYNA-GRO	S35EN99	E3	3.5	R	60.8	12.0	6	131.7	608	11
MIDLAND GENETICS	3261X	RRX	3.2	R	60.7	12.8	2	131.7	607	12
NUTECH	34N06E	E3	3.4	R	60.4	12.5	1	126.0	604	13
MIDLAND GENETICS	3537NX	RRX	3.5	R	60.4	12.3	1	139.7	604	14
CREDENZ	CZ 3519GTLL	LLGT27	3.5	MR	60.0	12.3	5	131.7	600	15
DYNA-GRO	S37EN39	E3	3.7	R	59.7	11.9	2	137.3	597	16
FS HISOY	HS 32X90	RRX	3.2	R	59.6	12.0	1	129.7	596	17
NK BRAND	S35-E3 §	E3	3.5	R	59.3	11.8	1	127.7	593	18
PIONEER	P37A27X GC	RRX	3.7	MR	58.4	12.1	1	131.3	584	19
HOEGEMEYER	3521 SE	E3	3.5	R	58.1	12.5	2	135.7	581	20
PIONEER	P36A83X GC	RRX	3.6	R	57.2	12.5	3	135.7	572	21
FS HISOY	HS 32E00	E3	3.2	R	56.9	12.0	4	137.3	569	22
CREDENZ	CZ 3750GTLL	LLGT27	3.7	R	56.6	11.9	2	139.7	566	23
ASGROW	AG37X8 §	RRX	3.7	R	56.6	12.0	2	135.7	566	24
NK BRAND	S37-2E3S	E3,ST	3.7	MR	56.5	12.3	1	139.3	565	25
ASGROW	AG33X0 §	RRX	3.3	R	56.4	12.5	2	133.7	564	26
MIDLAND GENETICS	3711XS	RRX,ST	3.7	R	56.3	12.0	4	129.7	563	27
DONMARIO	DM 3756E	E3	3.7	R	55.7	12.3	1	129.7	557	28
NUTECH	31N06E	E3	3.1	R	55.3	12.7	5	133.7	553	29
HOEGEMEYER	3591 E	E3	3.5	R	54.7	13.3	3	137.3	547	30
PIONEER	P38A98X CK	RRX	3.8	R	54.5	12.4	1	126.0	545	32

<i>William Schelp</i>	Averages =	58.6	12.4	2	132.8	587
William Schelp	LSD (0.10) =	5.2	ns	ns		
	LSD (0.25) =	2.7	ns	ns		
william.schelp@firstseedtests.com, (573) 819-7968	C.V. =	8.4				Historic yield: 54.0 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$10.00; non-GMO = \$10.00

Report Date: 10/27/2020

† 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

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Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Impact, Glyphosate
SOIL DESCRIPTION:	Haynie silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 7.8 pH, 2.6% OM, 16.9 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Authority Elite, Zidua, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 130.8 /A

TEST COMMENTS:

Planting went well and was timely. Great soil conditions. Excellent and uniform emergence. Rainfall seemed to be an "all-or-nothing" kind of year. Very much above-average precipitation for the month of July. And under 1.5" of rain fell in August. Standing well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	GH4201E3	E3	4.2	NA	66.9	12.6	7	122.0	668	1
MIDLAND GENETICS	4260E3S	E3,ST	4.2	MR	66.2	13.3	9	127.5	662	2
FS HISOY	HS 43E00	E3	4.3	R	64.4	12.6	2	137.3	644	3
HOEGEMEYER	4081 SE	E3	4.0	R	64.1	12.6	3	120.0	641	4
MIDLAND GENETICS	3930NXS	RRX,ST	3.9	R	63.0	12.6	1	125.0	630	5
LEWIS	4393X	RRX,ST	4.3	R	62.5	12.0	3	133.7	625	6
NUTECH	43N04E	E3	4.3	R	61.2	12.5	3	131.7	612	7
BURRUS	3803E	E3	3.8	R	61.1	12.4	1	126.0	611	8
DONMARIO	DM 40X61	RRX	4.0	R	60.8	12.8	5	131.7	608	9
NK BRAND	S39-G2X §	RRX	3.9	R	60.3	12.4	3	129.7	603	10
DYNA-GRO	S41ES80	E3	4.1	R	60.3	12.5	4	132.0	603	11
DYNA-GRO	S38XS21	RRX,ST	3.8	R	60.1	12.3	2	131.7	601	12
LEWIS	3803X	RRX	3.8	MR	60.0	11.9	3	124.0	600	13
NK BRAND	S42-E3	E3	4.2	NA	59.6	12.5	4	137.7	596	14
HOEGEMEYER	3921 E	E3	3.9	R	59.5	12.2	3	132.0	595	15
LEWIS	4182X	RRX,ST	4.1	R	59.4	12.5	7	141.0	594	16
MIDLAND GENETICS	4251X	RRX	4.2	MR	59.3	13.0	2	135.7	593	17
NK BRAND	S39-E3	E3	3.9	MR	58.8	11.8	2	128.0	588	18
STINE	43EB20 §	E3	4.3	R	58.7	12.5	1	120.0	587	19
DONMARIO	DM 43E51	E3	4.3	R	58.5	12.4	7	131.7	585	20
ASGROW	AG39X0 §	RRX,ST	3.9	R	58.2	11.9	2	137.3	582	21
FS HISOY	HS 38X00	RRX	3.8	MR	57.8	12.5	1	124.0	578	22
CREDENZ	CZ 3930GTLL	LLGT27	3.9	MR	57.6	12.9	3	131.7	576	23
FS HISOY	HS 39E00	E3	3.9	R	57.3	12.0	5	126.0	573	24
NUTECH	39N04E	E3	3.9	R	57.0	12.3	2	127.7	570	25
MIDLAND GENETICS	3999 E3	E3	3.9	R	57.0	12.4	4	141.7	570	26
CREDENZ	CZ 3840GTLL	LLGT27	3.8	MR	56.5	12.6	2	132.0	565	27
DONMARIO	DM 3932E	E3	3.9	R	56.4	12.3	3	134.0	564	28
GOLDEN HARVEST	GH3922E3	E3	3.9	MR	55.8	12.3	2	129.7	558	29
NUTECH	41N03E	E3	4.1	R	55.5	12.6	4	128.0	555	30
PIONEER	P38A98X CK	RRX	3.8	R	54.7	12.1	3	137.7	547	33
					Averages =	58.5	12.4	3	130.8	587
					LSD (0.10) =	4.6	ns	ns		
					LSD (0.25) =	2.4	ns	ns		
					C.V. =	7.5	Historic yield: 54.0 bu/a, 2 yr(s)			

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$10.00; non-GMO = \$10.00

Report Date: 10/27/2020

† 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

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2020 Soybeans - Missouri North [MONO]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE3610	E3	R	3.6	CMBV,SA
ASGROW	AG33X0 §	RRX	R	3.3	NA
ASGROW	AG37X8 §	RRX	R	3.7	NA
BURRUS	3798X	RRX	R	3.7	BPS-SDS
CREDENZ	CZ 3309GTLL	LLGT27	R	3.3	PV,IL,OB
CREDENZ	CZ 3480GTLL	LLGT27	R	3.4	PV,IL,OB
CREDENZ	CZ 3519GTLL	LLGT27	MR	3.5	PV,IL,OB
CREDENZ	CZ 3750GTLL	LLGT27	R	3.7	PV,IL,OB
DONMARIO	DM 3756E	E3	R	3.7	CMBV,SA
DYNA-GRO	S35EN99	E3	R	3.5	EQV,SA
DYNA-GRO	S36ES70	E3	R	3.6	EQV,SA
DYNA-GRO	S37EN39	E3	R	3.7	EQV,SA
FS HISOY	HS 32E00	E3	R	3.2	ACi,SA
FS HISOY	HS 32X90	RRX	R	3.2	ACi,SA
FS HISOY	HS 34E80	E3	R	3.4	ACi,SA
FS HISOY	HS 35X00	RRX	R	3.5	ACi,SA
GOLDEN HARVEST	GH3582E3	E3	R	3.5	CMBV,SA
GOLDEN HARVEST	GH3759E3S	E3,ST	MR	3.7	CMBV,SA
HOEGEMEYER	3350 E	E3	R	3.3	Lum,Lu,IL
HOEGEMEYER	3521 SE	E3	R	3.5	Lum,Lu,IL
HOEGEMEYER	3591 E	E3	R	3.5	Lum,Lu,IL
LEWIS	3682X	RRX	R	3.6	NA
MIDLAND GENETICS	3261X	RRX	R	3.2	NA
MIDLAND GENETICS	3537NX	RRX	R	3.5	NA
MIDLAND GENETICS	3711XS	RRX,ST	R	3.7	NA
NK BRAND	S35-E3 §	E3	R	3.5	CMBV,SA
NK BRAND	S35-K9X	RRX	R	3.5	CMBV,SA
NK BRAND	S37-2E3S	E3,ST	MR	3.7	CMBV,SA
NUTECH	31N06E	E3	R	3.1	Lum,G,IL
NUTECH	34N06E	E3	R	3.4	Lum,G,IL
NUTECH	35N03E	E3	R	3.5	Lum,G,IL
NUTECH	36N03E	E3	R	3.6	Lum,G,IL
PIONEER	P36A83X GC	RRX	R	3.6	NA
PIONEER	P37A27X GC	RRX	MR	3.7	NA
PIONEER	P38A98X CK	RRX	R	3.8	NA
STINE	36EB32 §	E3	R	3.6	NA

2020 Soybeans - Missouri North [MONO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
ASGROW	AG39X0 §	RRX,ST	R	3.9	NA
BURRUS	3803E	E3	R	3.8	BPS-SDS
CREDENZ	CZ 3840GTLL	LLGT27	MR	3.8	PV,IL,OB
CREDENZ	CZ 3930GTLL	LLGT27	MR	3.9	PV,IL,OB
CREDENZ	CZ 4241GTLL	LLGT27	NA	4.2	PV,IL,OB
DONMARIO	DM 3932E	E3	R	3.9	CMBV,SA
DONMARIO	DM 40X61	RRX	R	4.0	CMBV,SA
DONMARIO	DM 43E51	E3	R	4.3	CMBV,SA
DYNA-GRO	S38XS21	RRX,ST	R	3.8	EQV,SA
DYNA-GRO	S39EN19	E3	R	3.9	EQV,SA
DYNA-GRO	S41ES80	E3	R	4.1	EQV,SA
FS HISOY	HS 38X00	RRX	MR	3.8	ACi,SA
FS HISOY	HS 39E00	E3	R	3.9	ACi,SA
FS HISOY	HS 41X70	RRX	R	4.1	ACi,SA
FS HISOY	HS 43E00	E3	R	4.3	ACi,SA
GOLDEN HARVEST	GH3922E3	E3	MR	3.9	CMBV,SA
GOLDEN HARVEST	GH4155E3 §	E3	MR	4.1	CMBV,SA
GOLDEN HARVEST	GH4201E3	E3	NA	4.2	CMBV,SA
HOEGEMEYER	3921 E	E3	R	3.9	Lum,Lu,IL
HOEGEMEYER	4081 SE	E3	R	4.0	Lum,Lu,IL
LEWIS	3803X	RRX	MR	3.8	NA
LEWIS	4182X	RRX,ST	R	4.1	NA
LEWIS	4393X	RRX,ST	R	4.3	NA
MIDLAND GENETICS	3930NXS	RRX,ST	R	3.9	NA
MIDLAND GENETICS	3999 E3	E3	R	3.9	NA
MIDLAND GENETICS	4251X	RRX	MR	4.2	NA
MIDLAND GENETICS	4260E3S	E3,ST	MR	4.2	NA
NK BRAND	S39-E3	E3	MR	3.9	CMBV,SA
NK BRAND	S39-G2X §	RRX	R	3.9	CMBV,SA
NK BRAND	S42-E3	E3	NA	4.2	CMBV,SA
NUTECH	39N04E	E3	R	3.9	Lum,G,IL
NUTECH	41N03E	E3	R	4.1	Lum,G,IL
NUTECH	43N04E	E3	R	4.3	Lum,G,IL
PIONEER	P38A98X CK	RRX	R	3.8	NA
STINE	40EB20 §	E3	NA	4.0	NA
STINE	43EB20 §	E3	R	4.3	NA

Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies*

E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments**

NA	Not Available
ACi,SA	Acceleron Standard fungicide + insecticide, Saltro
BPS-SDS	Burrus PowerShield® SDS
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EQV,SA	Equity VIP, Saltro
Lum,G,IL	Lumisena, Gaucho, ILeVO
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus

** Seed treatments may include unspecified plant health promoting components.