

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

2020 Soybeans Top 30 Harvest Report

Missouri North [MONO] PALMYRA, MO
Shawn Kiefaber, Marion County, MO 63461

Early-Season Test	3.2 - 3.7 Day CRM S2020MONO04a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron, Glyphosate
SOIL DESCRIPTION:	Menfro silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 1.7% OM, 10.7 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Cadet
Applied N-P-K (units):	0-60-120
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 5 120.1 /A

TEST COMMENTS:

This trial was planted in a new field for this location. The no-till ridge is quite representative of north Missouri hill ground. Rolling, with good drainage, it was planted into great soil conditions. Good and even emergence was followed by a mostly typical Missouri summer. Particularly good plant height with some modest lodging at harvest. These are good tests for 2020.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NUTECH	31N06E	E3	3.1	R	71.7	10.2	2	126.0	717	1
FS HISOY	HS 35X00	RRX	3.5	R	67.8	10.3	5	122.0	678	2
DYNA-GRO	S36ES70	E3	3.6	R	67.7	10.5	3	122.0	677	3
NK BRAND	S35-K9X	RRX	3.5	R	67.3	10.4	6	126.0	673	4
NUTECH	35N03E	E3	3.5	R	67.3	10.4	5	113.0	672	5
HOEGEMEYER	3521 SE	E3	3.5	R	66.6	10.2	4	124.0	666	6
HOEGEMEYER	3350 E	E3	3.3	R	64.5	10.4	10	122.0	645	7
NUTECH	34N06E	E3	3.4	R	62.8	10.4	6	116.0	628	8
GOLDEN HARVEST	GH3582E3	E3	3.5	R	62.8	10.6	4	123.7	628	9
CREDENZ	CZ 3519GTLL	LLGT27	3.5	MR	62.7	10.3	12	120.0	627	10
FS HISOY	HS 32E00	E3	3.2	R	62.5	10.4	10	110.3	625	11
PIONEER	P37A27X GC	RRX	3.7	MR	62.4	10.7	10	118.0	624	12
ASGROW	AG37X8 §	RRX	3.7	R	62.4	10.3	9	120.0	624	13
MIDLAND GENETICS	3711XS	RRX,ST	3.7	R	62.3	10.4	3	114.3	623	14
LEWIS	3682X	RRX	3.6	R	62.1	10.4	4	116.0	621	15
CREDENZ	CZ 3480GTLL	LLGT27	3.4	R	62.1	10.4	3	121.7	621	16
FS HISOY	HS 34E80	E3	3.4	R	62.0	10.3	3	116.0	620	17
DYNA-GRO	S35EN99	E3	3.5	R	62.0	10.5	5	114.3	620	18
ASGROW	AG33X0 §	RRX	3.3	R	61.7	10.6	8	120.0	617	19
NK BRAND	S35-E3 §	E3	3.5	R	61.6	10.6	6	120.0	616	20
PIONEER	P36A83X GC	RRX	3.6	R	61.3	10.3	2	112.0	613	21
APEX	AE3610	E3	3.6	R	61.3	10.4	6	124.0	613	22
MIDLAND GENETICS	3537NX	RRX	3.5	R	61.2	10.4	5	128.0	612	24
GOLDEN HARVEST	GH3759E3S	E3,ST	3.7	MR	61.0	10.4	2	122.0	610	25
FS HISOY	HS 32X90	RRX	3.2	R	60.9	10.5	2	128.0	609	26
DYNA-GRO	S37EN39	E3	3.7	R	60.9	10.3	5	120.0	609	27
CREDENZ	CZ 3750GTLL	LLGT27	3.7	R	60.2	10.7	7	126.0	602	28
NK BRAND	S37-2E3S	E3,ST	3.7	MR	60.0	10.4	3	129.7	600	29
STINE	36EB32 §	E3	3.6	R	59.8	10.4	9	123.7	598	30
NUTECH	36N03E	E3	3.6	R	59.3	10.5	7	114.0	593	31
PIONEER	P38A98X CK	RRX	3.8	R	61.2	10.7	5	114.0	612	23

William Schelp

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william.schelp@firstseedtests.com, (573) 819-7968

Averages = **62.1** **10.4** **5** **120.1** **622**

LSD (0.10) = 2.9 ns ns

LSD (0.25) = 1.5 ns ns

C.V. = 4.4

Historic yield: 60.0 bu/a, 6 yr(s)

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

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Full-Season Test	3.8 - 4.3 Day CRM S2020MONO04b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron, Glyphosate
SOIL DESCRIPTION:	Menfro silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 1.7% OM, 10.7 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Cadet
Applied N-P-K (units):	0-60-120
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 5 118.5 /A

TEST COMMENTS:

This trial was planted in a new field for this location. The no-till ridge is quite representative of north Missouri hill ground. Rolling, with good drainage, it was planted into great soil conditions. Good and even emergence was followed by a mostly typical Missouri summer. Particularly good plant height with some modest lodging at harvest. These are good tests for 2020.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	3921 E	E3	3.9	R	65.9	10.2	1	116.0	659	1
HOEGEMEYER	4081 SE	E3	4.0	R	65.8	10.2	2	120.0	658	2
STINE	40EB20 §	E3	4.0	NA	65.6	10.2	2	110.3	656	3
NUTECH	43N04E	E3	4.3	R	65.6	10.1	10	116.0	656	4
NUTECH	39N04E	E3	3.9	R	65.3	10.2	2	118.3	653	5
DYNA-GRO	S39EN19	E3	3.9	R	64.4	10.1	1	122.0	644	6
MIDLAND GENETICS	4251X	RRX	4.2	MR	64.1	10.3	7	118.3	641	7
MIDLAND GENETICS	3999 E3	E3	3.9	R	64.0	10.1	6	118.0	640	8
NK BRAND	S39-E3	E3	3.9	MR	63.8	10.0	5	116.0	638	9
GOLDEN HARVEST	GH3922E3	E3	3.9	MR	63.8	10.0	7	122.0	638	10
LEWIS	4182X	RRX,ST	4.1	R	63.1	10.3	3	118.3	631	11
DYNA-GRO	S38XS21	RRX,ST	3.8	R	63.0	10.3	4	122.0	630	12
CREDENZ	CZ 3930GTLL	LLGT27	3.9	MR	63.0	10.4	7	120.3	630	13
LEWIS	4393X	RRX,ST	4.3	R	62.9	10.3	3	118.0	629	14
BURRUS	3803E	E3	3.8	R	62.8	10.2	2	114.3	628	15
FS HISOY	HS 39E00	E3	3.9	R	62.7	10.1	1	110.3	627	16
FS HISOY	HS 38X00	RRX	3.8	MR	62.7	10.3	3	106.7	627	17
CREDENZ	CZ 3840GTLL	LLGT27	3.8	MR	62.5	10.2	3	118.0	625	18
STINE	43EB20 §	E3	4.3	R	62.0	10.5	1	121.7	620	19
FS HISOY	HS 41X70	RRX	4.1	R	61.8	10.3	5	120.0	618	20
NK BRAND	S42-E3	E3	4.2	NA	61.4	10.3	4	130.0	614	21
DONMARIO	DM 3932E	E3	3.9	R	61.3	10.1	5	118.0	613	22
ASGROW	AG39X0 §	RRX,ST	3.9	R	61.1	10.3	9	133.3	611	23
MIDLAND GENETICS	4260E3S	E3,ST	4.2	MR	60.5	10.2	2	122.0	605	24
DYNA-GRO	S41ES80	E3	4.1	R	60.4	10.3	1	118.0	604	25
CREDENZ	CZ 4241GTLL	LLGT27	4.2	NA	60.3	10.3	2	114.0	603	26
DONMARIO	DM 40X61	RRX	4.0	R	60.2	10.2	13	114.0	602	27
LEWIS	3803X	RRX	3.8	MR	59.9	10.2	3	132.0	599	28
NK BRAND	S39-G2X §	RRX	3.9	R	59.7	10.3	11	120.3	597	30
NUTECH	41N03E	E3	4.1	R	59.5	10.3	2	110.7	595	31
PIONEER	P38A98X CK	RRX	3.8	R	59.8	10.3	2	114.0	598	29
					Averages =	62.0	10.2	4	118.5	620
					LSD (0.10) =	2.5	0.1	4		
					LSD (0.25) =	1.3	0.1	2		
					C.V. =	3.8				
					Historic yield: 60.0 bu/a, 6 yr(s)					

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

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.