

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

2020 Soybeans Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Early-Season Test	3.2 - 3.7 Day CRM S2020MONO03a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep 2 Magnum, Callisto, Atrazine, Roundup Powermax, Barrage Hf, Prefix, Zidua, Miravis, Mustang Max
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 5.6 pH, 1.8% OM, 11.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Autumn Super 51, Distinct, Roundup Powermax,
Applied N-P-K (units):	0-55-40
SEEDED - RATE - ROW:	Jun 16 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 2 123.0 /A

TEST COMMENTS:

The trial was planted in a new soybean field for this location. There is little slope in this claypan soil, which is very representative of this area of Missouri. Drainage work is in place and the trial was planted as field conditions allowed. There was not much rainfall in August. No lodging at harvest. Kyle mentioned the surrounding field made about 64bpa. 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
DONMARIO	DM 3756E	E3	3.7	R	63.5	10.0	1	127.7	635	1
NUTECH	31N06E	E3	3.1	R	62.9	10.0	1	123.7	629	2
NK BRAND	S37-2E3S	E3,ST	3.7	MR	61.1	10.2	1	122.0	611	3
GOLDEN HARVEST	GH3759E3S	E3,ST	3.7	MR	60.4	10.2	1	124.0	604	4
APEX	AE3610	E3	3.6	R	60.3	10.2	1	122.3	603	5
NUTECH	36N03E	E3	3.6	R	60.2	10.1	1	122.0	602	6
GOLDEN HARVEST	GH3582E3	E3	3.5	R	60.0	10.4	1	124.0	600	7
MIDLAND GENETICS	3711XS	RRX,ST	3.7	R	59.5	10.2	1	126.0	595	8
HOEGEMEYER	3591 E	E3	3.5	R	59.5	10.2	1	122.0	595	9
DYNA-GRO	S37EN39	E3	3.7	R	59.2	9.9	1	124.0	592	10
DYNA-GRO	S35EN99	E3	3.5	R	59.2	10.3	1	122.0	592	11
HOEGEMEYER	3521 SE	E3	3.5	R	58.9	10.0	1	124.0	589	12
PIONEER	P36A83X GC	RRX	3.6	R	58.8	10.1	1	124.0	588	13
STINE	36EB32 §	E3	3.6	R	58.6	10.1	1	124.0	586	14
NUTECH	35N03E	E3	3.5	R	58.0	10.2	2	122.0	580	15
PIONEER	P37A27X GC	RRX	3.7	MR	57.8	10.3	1	124.0	578	16
BURRUS	3798X	RRX	3.7	R	57.7	10.1	1	122.0	577	17
NK BRAND	S35-E3 §	E3	3.5	R	57.6	10.4	1	120.0	576	18
FS HISOY	HS 34E80	E3	3.4	R	57.6	10.2	2	120.0	576	19
MIDLAND GENETICS	3261X	RRX	3.2	R	55.8	10.1	1	122.0	558	20
FS HISOY	HS 35X00	RRX	3.5	R	55.5	9.9	1	125.7	555	21
LEWIS	3682X	RRX	3.6	R	55.4	10.3	1	125.7	554	22
ASGROW	AG37X8 §	RRX	3.7	R	55.2	10.2	1	122.0	552	23
NUTECH	34N06E	E3	3.4	R	54.9	10.3	1	122.0	549	24
MIDLAND GENETICS	3537NX	RRX	3.5	R	54.7	10.1	1	126.0	547	25
CREDENZ	CZ 3480GTLL	LLGT27	3.4	R	54.6	10.3	1	122.0	546	26
CREDENZ	CZ 3750GTLL	LLGT27	3.7	R	53.8	10.1	1	120.3	538	28
ASGROW	AG33X0 §	RRX	3.3	R	53.7	10.1	1	128.0	537	29
CREDENZ	CZ 3309GTLL	LLGT27	3.3	R	53.6	10.2	2	112.3	536	30
DYNA-GRO	S36ES70	E3	3.6	R	53.0	10.3	1	126.0	530	31
PIONEER	P38A98X CK	RRX	3.8	R	53.9	10.4	1	122.0	539	27
					Averages =	56.6	10.2	1	123.0	566
					LSD (0.10) =	3.0	0.1	ns		
					LSD (0.25) =	1.6	0.1	ns		
william.schelp@firstseedtests.com, (573) 819-7968					C.V. =	5.0				Historic yield: new site

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

Report Date: 11/08/2020

† 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 Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Full-Season Test	3.8 - 4.3 Day CRM S2020MONO03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep 2 Magnum, Callisto, Atrazine, Roundup Powermax, Barrage Hf, Prefix, Zidua, Miravis, Mustang Max
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 5.6 pH, 1.8% OM, 11.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Autumn Super 51, Distinct, Roundup Powermax,
Applied N-P-K (units):	0-55-40
SEEDED - RATE - ROW:	Jun 16 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 2 122.9 /A

TEST COMMENTS:

The trial was planted in a new soybean field for this location. There is little slope in this claypan soil, which is very representative of this area of Missouri. Drainage work is in place and the trial was planted as field conditions allowed. There was not much rainfall in August. No lodging at harvest. Kyle mentioned the surrounding field made about 64bpa. 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	43N04E	E3	4.3	R	69.4	10.1	1	118.3	694	1
HOEGEMEYER	4081 SE	E3	4.0	R	67.2	10.2	1	134.0	672	2
NK BRAND	S39-G2X §	RRX	3.9	R	66.9	10.2	1	122.0	669	3
FS HISOY	HS 39E00	E3	3.9	R	66.9	10.0	1	120.0	669	4
STINE	40EB20 §	E3	4.0	NA	66.5	10.1	1	122.0	665	5
GOLDEN HARVEST	GH3922E3	E3	3.9	MR	65.5	10.0	1	130.0	655	6
NK BRAND	S39-E3	E3	3.9	MR	65.2	9.9	1	124.0	652	7
DONMARIO	DM 3932E	E3	3.9	R	65.0	10.0	1	135.7	650	8
MIDLAND GENETICS	3930NXS	RRX,ST	3.9	R	64.3	10.4	5	118.0	643	9
DYNA-GRO	S39EN19	E3	3.9	R	64.1	10.1	1	124.0	641	10
BURRUS	3803E	E3	3.8	R	64.0	10.1	1	122.0	640	11
DYNA-GRO	S41ES80	E3	4.1	R	63.7	10.2	1	112.0	637	12
ASGROW	AG39X0 §	RRX,ST	3.9	R	63.7	10.2	2	122.0	637	13
MIDLAND GENETICS	3999 E3	E3	3.9	R	63.3	10.1	1	130.0	633	14
FS HISOY	HS 38X00	RRX	3.8	MR	63.2	10.1	1	126.0	632	15
MIDLAND GENETICS	4260E3S	E3,ST	4.2	MR	63.0	10.2	1	126.0	630	16
CREDENZ	CZ 3930GTLL	LLGT27	3.9	MR	62.9	10.3	1	120.0	629	17
CREDENZ	CZ 3840GTLL	LLGT27	3.8	MR	62.9	10.4	2	137.3	629	18
STINE	43EB20 §	E3	4.3	R	62.7	10.5	1	124.0	627	19
GOLDEN HARVEST	GH4201E3	E3	4.2	NA	62.6	10.1	1	122.0	626	20
DONMARIO	DM 40X61	RRX	4.0	R	62.2	10.6	6	120.0	622	21
NUTECH	39N04E	E3	3.9	R	62.1	10.0	1	123.7	621	22
HOEGEMEYER	3921 E	E3	3.9	R	62.1	10.0	1	120.0	621	23
DONMARIO	DM 43E51	E3	4.3	R	61.8	10.1	1	118.0	618	24
FS HISOY	HS 43E00	E3	4.3	R	61.3	10.1	1	124.0	613	25
NUTECH	41N03E	E3	4.1	R	61.1	10.4	1	118.0	611	26
NK BRAND	S42-E3	E3	4.2	NA	61.1	10.2	1	127.7	611	27
LEWIS	4393X	RRX,ST	4.3	R	61.0	10.4	1	118.0	610	28
FS HISOY	HS 41X70	RRX	4.1	R	60.9	10.3	2	120.0	609	29
DYNA-GRO	S38XS21	RRX,ST	3.8	R	60.9	10.1	1	122.0	609	30
PIONEER	P38A98X CK	RRX	3.8	R	60.4	10.4	2	120.0	604	32

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Averages = **62.8** **10.2** **1** **122.9** **628**

LSD (0.10) = 2.9 0.1 1

LSD (0.25) = 1.5 0.1 1

C.V. = 4.3

Historic yield: new site

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.