

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

2019 Soybeans Top 30 Harvest Report

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

All-Season Test	3.2 - 4.3 Day GRM S2019MONO01
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Impact, Roundup
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, very high K, 7.8 pH, 2.1% OM, 14.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Authority First, Zidua, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 130.2 /A

TEST COMMENTS:

Planted into a very uniform and clean, stale seedbed in the Missouri River bottom. Quick and even emergence. During the summer it was apparent a good-looking plot was taking shape. At harvest, no observed weed pressure or disease. Plants stood well with little lodging. This is a nice uniform soybean trial for Missouri in 2019.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CREDENZ	CZ 3519GTLL	LG27	3.5	MR	57.5	10.5	3	131.7	503	1
DONMARIO	DM 3756E	E3	3.7	R	57.4	10.3	1	133.6	502	2
DYNA-GRO	S39EN19	E3	3.9	R	57.0	10.8	1	135.5	499	3
<i>ASGROW</i>	<i>AG43X0 §</i>	<i>RRX,ST</i>	4.3	R	57.0	16.6	2	129.7	494	7
GOLDEN HARVEST	GH4307X	RRX	4.3	R	56.9	12.9	1	129.7	498	4
PIONEER	P42A96X §	RRX	4.2	MR	56.7	12.1	1	127.8	496	5
CHAMPION	3499EN	E3	3.4	R	56.6	10.6	1	137.5	495	6
CREDENZ	CZ3930GTLL	LG27	3.9	MR	56.5	14.0	1	141.3	493	8
LEWIS	4182X	RRX,ST	4.1	R	56.3	14.5	1	127.8	491	10
DYNA-GRO	S39XT68	RRX	3.9	R	56.2	10.6	1	133.6	492	9
FS HISOY	HS 34X60	RRX	3.4	R	55.8	10.8	1	139.4	488	11
FS HISOY	HS 39X70	RRX	3.9	R	55.7	11.4	1	127.8	487	12
STINE	39EA02 §	E3	3.9	R	55.6	11.3	1	139.4	486	13
FS HISOY	HS 42X90	RRX	4.2	R	55.5	14.8	2	133.6	483	15
LEWIS	4091X	RRX	4.0	R	55.3	11.3	1	135.5	484	14
FS HISOY	HS 41X70	RRX,ST	4.1	R	55.1	13.1	2	125.9	482	16
FS HISOY	HS 32X90	RRX	3.2	R	55.1	10.2	1	139.4	482	17
LEWIS	3572X	RRX	3.5	R	55.0	10.4	1	133.6	481	18
CREDENZ	CZ 3309GTLL	LG27	3.3	R	55.0	10.6	1	123.9	481	19
NK BRAND	S43-V3X	RRX	4.3	R	54.7	12.7	1	131.7	479	20
DONMARIO	DM 41P2X	RRX	4.1	R	54.6	12.2	1	135.5	478	21
PIONEER	P37A78X §	RRX	3.7	MR	54.4	11.1	2	131.7	476	22
DYNA-GRO	S37EN39	E3	3.7	R	54.4	10.8	1	129.7	476	23
CHAMPION	35X78N	RRX	3.5	R	54.4	10.4	1	135.5	476	24
LEWIS	3682X	RRX	3.6	R	54.3	10.4	1	133.6	475	25
CHAMPION	32X40N	RRX	3.2	R	54.3	10.3	1	131.7	475	26
PIONEER	P40A47X §	RRX	4.0	R	54.2	11.3	1	125.9	474	27
CHAMPION	40X98N	RRX	4.0	R	54.2	11.6	2	129.7	474	28
FS HISOY	HS 35X90	RRX	3.5	R	54.1	10.2	1	131.7	473	29
NK BRAND	S33-D7X	RRX	3.3	R	53.9	10.5	4	120.1	472	30

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Averages = **53.0** **11.5** **1** **130.2** **463**
LSD (0.10) = 2.9 1.1 1
LSD (0.25) = 1.5 0.6 1
C.V. = 5.2

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$8.75; non-GMO = \$8.75

Report Date: 10/24/2019

† 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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All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG39X7 §	RRX,ST	R	3.9
ASGROW	AG41X8 §	RRX,ST	R	4.1
ASGROW	AG43X0 §	RRX,ST	R	4.3
CHAMPION	32X40N	RRX	R	3.2
CHAMPION	3499EN	E3	R	3.4
CHAMPION	35X78N	RRX	R	3.5
CHAMPION	38X97N	RRX	R	3.8
CHAMPION	40X98N	RRX	R	4.0
CHAMPION	4220GTLL	LG27	R	4.2
CHAMPION	4230EN	E3	R	4.2
CREDENZ	CZ 3309GTLL	LG27	R	3.3
CREDENZ	CZ 3519GTLL	LG27	MR	3.5
CREDENZ	CZ 3660GTLL	LG27	MR	3.6
CREDENZ	CZ 3750GTLL	LG27	MR	3.7
CREDENZ	CZ 3840GTLL	LG27	MR	3.8
CREDENZ	CZ 3929GTLL	LG27	R	3.9
CREDENZ	CZ3930GTLL	LG27	MR	3.9
CREDENZ	CZ4240GTLL	LG27	MR	4.2
DONMARIO	DM 3756E	E3	R	3.7
DONMARIO	DM 37M3X	RRX	R	3.7
DONMARIO	DM 3932E	E3	R	3.9
DONMARIO	DM 41P2X	RRX	R	4.1
DYNA-GRO	S37EN39	E3	R	3.7
DYNA-GRO	S37XS89	RRX,ST	R	3.7
DYNA-GRO	S39EN19	E3	R	3.9
DYNA-GRO	S39XT68	RRX	R	3.9
DYNA-GRO	S41XS98	RRX,ST	R	4.1
FS HISOY	HS 32X90	RRX	R	3.2
FS HISOY	HS 34X60	RRX	R	3.4
FS HISOY	HS 35X90	RRX	R	3.5
FS HISOY	HS 37X70	RRX	R	3.7
FS HISOY	HS 39X70	RRX	R	3.9
FS HISOY	HS 41X70	RRX,ST	R	4.1
FS HISOY	HS 42X90	RRX	R	4.2
FS HISOY	HS 43X60	RRX,ST	R	4.3
GOLDEN HARVEST	GH3546X	RRX	R	3.5

Company/Brand	Brand/Product	Technology	RM	SCN
GOLDEN HARVEST	GH3728X	RRX	R	3.7
GOLDEN HARVEST	GH3934X	RRX	R	3.9
GOLDEN HARVEST	GH4240XS	RRX,ST	R	4.2
GOLDEN HARVEST	GH4307X	RRX	R	4.3
LEWIS	3304X	RRX	MR	3.3
LEWIS	3405X	RRX	MR	3.4
LEWIS	3572X	RRX	R	3.5
LEWIS	3682X	RRX	R	3.6
LEWIS	3803X	RRX	MR	3.8
LEWIS	4091X	RRX	R	4.0
LEWIS	4182X	RRX,ST	R	4.1
LEWIS	4393X	RRX,ST	R	4.3
NK BRAND	S33-D7X	RRX	R	3.3
NK BRAND	S35-K9X	RRX	R	3.5
NK BRAND	S37-A4X §	RRX	R	3.7
NK BRAND	S39-G2X §	RRX	R	3.9
NK BRAND	S42-B9XS §	RRX, ST	R	4.2
NK BRAND	S43-V3X	RRX	R	4.3
PIONEER	P37A78X §	RRX	MR	3.7
PIONEER	P40A47X §	RRX	R	4.0
PIONEER	P42A96X §	RRX	MR	4.2
STINE	39EA02 §	E3	R	3.9
STINE	41EA12 §	E3	R	4.1
STINE	41GA02 §	LG27	R	4.1

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™
G27	GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea herbicide tolerant
