

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

2021 Soybeans Top 30 Harvest Report

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

Early-Season Test	Maturity Group 3.2 - 3.7 S2021MONO01a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Armezon, Atrazine 4l
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, very high K, 7.9 pH, 1.5% OM, 14.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Authority Elite, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 127.7 /A

TEST COMMENTS:

A good soaker on June 25 was followed by a dry bias for an extended period during the yield making months of July and August. July and almost half of August never received daily rainfall of more than 1/2 in. July was 3.7" below average. Quite possibly this put downward pressure on yield potential. August 13th did bring much needed precipitation with a 2.4" rain event. There were no signs of herbicide damage, no weed pressure, and no sign of disease pressure. This uniform trial site facilitated a very good test.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3752E ↗	E3,ST	3.7	R	57.7	11.0	1	131.7	692	1
NuTech	37N01E ↗	E3	3.7	R	57.7	11.1	1	131.7	692	2
Donmario	DM3756E ↗	E3	3.7	R	57.1	11.0	1	131.0	685	3
Golden Harvest	GH3512E3S ↗	E3,ST	3.5	MR	56.4	11.4	4	127.7	677	4
Xitavo	XO 3402E ↗	E3	3.4	R	56.2	11.0	1	122.0	674	5
Golden Harvest	GH3442XF ↗	RXF	3.4	MR	56.0	11.2	1	118.3	672	6
AgriGold	G3755E3 ↗	E3	3.7	R	56.0	11.1	1	126.0	672	7
Pioneer	P38T05E § ↗	E3	3.8	R	55.2	11.1	1	129.7	662	8
FS HiSOY	37F00 ↗	RXF	3.7	R	54.6	11.1	1	122.0	655	9
FS HiSOY	35E10 ↗	E3	3.5	R	54.5	11.1	2	127.7	654	10
Midland Genetics	3591E3 ↗	E3	3.5	MR	54.2	11.2	1	131.7	650	11
Stine	35EE32 § ↗	E3	3.5	R	54.2	11.3	1	119.0	649	12
Lewis	3513XF ↗	RXF	3.5	R	54.0	11.1	1	128.0	648	13
Asgrow	AG35XF1 § ↗	RXF	3.5	R	53.5	11.0	1	126.0	642	14
Midland Genetics	3392E3 ↗	E3	3.3	R	53.4	11.1	4	124.0	641	15
AgriGold	G3490XF ↗	RXF	3.4	R	53.3	10.9	1	135.3	640	16
Pioneer	P38T76E § ↗	E3	3.8	NA	53.1	11.1	1	137.3	637	17
Golden Harvest	GH3762E3S ↗	E3,ST	3.7	MR	52.9	11.3	2	131.7	635	18
Xitavo	XO 3651E ↗	E3	3.6	R	52.8	11.2	1	125.7	634	19
NK Brand	NK37-Z9XF ↗	RXF	3.7	R	52.8	11.1	1	122.0	634	20
Burrus	3642E ↗	E3	3.6	R	52.6	11.0	1	114.3	631	21
FS HiSOY	37E10 ↗	E3	3.7	R	52.5	11.0	2	129.7	630	22
Dyna-Gro	S37ES52 ↗	E3	3.7	R	52.2	11.1	1	123.7	626	23
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	52.1	11.3	1	133.3	625	24
Lewis	3713XF ↗	RXF	3.7	R	52.1	10.9	1	125.7	625	25
Credenz	CZ 3750GTLL ↗	LLGT27	3.7	R	51.6	11.2	1	133.7	619	26
Golden Harvest	GH3732XF § ↗	RXF	3.7	R	51.4	11.1	1	133.3	617	27
NuTech	35N03E ↗	E3	3.5	R	50.5	11.3	1	123.7	606	29
Xitavo	XO 3341E ↗	E3	3.3	R	50.5	11.3	1	131.7	606	30
AgriGold	G3649E3 ↗	E3	3.6	R	50.3	10.8	1	114.0	604	31
Pioneer	P41T07E CK	E3	4.1	MR	50.7	11.0	1	127.7	608	28
					Averages =	52.0	11.1	1	127.7	625
					LSD (0.10) =	3.9	ns	ns		
					LSD (0.25) =	2.1	ns	ns		
william.schelp@firstseedtests.com, (573) 819-7968					C.V. =	7.2				Historic yield: 55.12 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00; non-GMO = \$12.00

Report Date: 10/20/2021

† 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 Soybeans Top 30 Harvest Report

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

Full-Season Test	Maturity Group 3.8 - 4.3 S2021MONO01b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Armezon, Atrazine 4l
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, very high K, 7.9 pH, 1.5% OM, 14.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Authority Elite, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 129.3 /A

TEST COMMENTS:

A good soaker on June 25 was followed by a dry bias for an extended period during the yield making months of July and August. July and almost half of August never received daily rainfall of more than 1/2 in. July was 3.7" below average. Quite possibly this put downward pressure on yield potential. August 13th did bring much needed precipitation with a 2.4" rain event. There were no signs of herbicide damage, no weed pressure, and no sign of disease pressure. This uniform trial site facilitated a very good test.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HiSOY	39E10 ↗	E3	3.9	R	58.5	11.0	1	135.7	702	1
Credenz	CZ 3930GTLL ↗	LLGT27	3.9	R	58.3	11.1	1	131.7	700	2
Golden Harvest	GH3952XF ↗	RXF	3.9	R	57.4	11.4	1	122.0	689	3
Asgrow	AG40XF1 § ↗	RXF	4.0	R	57.2	11.2	1	131.7	686	4
Hoegemeyer	4081 SE ↗	E3,ST	4.0	R	56.9	11.0	1	131.3	683	5
Xitavo	XO 3922E ↗	E3	3.9	R	56.7	11.2	1	139.3	680	6
Burrus	3859E ↗	E3	3.8	R	56.1	11.2	1	118.0	673	7
Xitavo	XO 3861E ↗	E3,ST	3.8	R	55.9	10.9	1	132.0	671	8
NK Brand	NK39-A1XF § ↗	RXF	3.9	R	55.4	11.2	1	125.7	665	9
AgriGold	G3724XF ↗	RXF	3.7	R	55.1	11.2	2	122.0	661	10
NK Brand	NK40-U7E3 ↗	E3	4.0	R	54.9	11.1	1	131.7	659	11
NuTech	39N05E ↗	E3	3.9	R	54.9	11.0	1	124.0	659	12
Midland Genetics	3999E3 ↗	E3	3.9	R	54.4	11.0	1	132.0	653	13
Hoegemeyer	3921 E ↗	E3	3.9	R	54.2	10.9	1	130.0	650	14
NuTech	41N03E ↗	E3	4.1	R	54.0	11.1	1	121.7	648	15
Stine	39EC22 § ↗	E3	3.9	R	53.7	11.0	1	131.7	644	16
Golden Harvest	GH4072E3 ↗	E3	4.0	MR	53.6	11.1	1	120.3	643	17
Xitavo	XO 4132E ↗	E3	4.1	R	53.3	11.2	1	122.0	640	18
Asgrow	AG41XF2 § ↗	RXF	4.1	R	53.0	11.2	2	122.0	636	19
NuTech	39N04E ↗	E3	3.9	R	52.4	11.1	1	119.0	629	20
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	52.2	11.1	1	126.0	626	21
FS HiSOY	39F10 ↗	RXF	3.9	R	51.7	11.1	1	128.0	620	22
Lewis	4304XF ↗	RXF	4.3	R	51.3	10.9	1	131.0	614	23
FS HiSOY	40F10 ↗	RXF	4.0	R	51.2	11.0	1	122.0	614	24
Donmarrio	DM3932E ↗	E3	3.9	R	50.6	11.0	1	143.3	607	25
AgriGold	G4094XF ↗	RXF	4.0	R	50.5	11.0	4	118.0	606	26
Golden Harvest	GH3902E3S § ↗	E3,ST	3.9	R	50.2	11.1	6	137.3	602	27
FS HiSOY	42E10 ↗	E3,ST	4.2	R	49.9	11.2	1	129.3	599	28
AgriGold	G3957E3 ↗	E3	3.9	R	49.7	11.0	1	130.0	596	29
NuTech	43N04E ↗	E3	4.3	R	49.4	11.1	1	141.0	593	30
Pioneer	P41T07E CK	E3	4.1	MR	46.2	11.2	1	130.0	554	39
					Averages =	51.3	11.1	1	129.3	616
					LSD (0.10) =	4.5	ns	1		
					LSD (0.25) =	2.4	ns	1		
					C.V. =	8.4				
					Historic yield: 55.12 bu/a, 3 yr(s)					

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00; non-GMO = \$12.00

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