

# 2020 Soybeans Top 30 Performance Summary for Missouri North [MONO]



## Early-Season Test

### 3.2 - 3.7 Day CRM

S2020MONOa

Top 30 of 36

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cairo	Greentop	Palmyra	St. Joseph
NUTECH	31N06E	E3	3.1	R	<b>57.5</b>	33.8	19.7	11.0	2	575	1	<b>62.9</b>	37.5	<b>71.7</b>	57.9
GOLDEN HARVEST	GH3582E3	E3	3.5	R	<b>56.9</b>	33.0	19.9	11.2	2	569	2	<b>60.0</b>	<b>42.1</b>	62.8	62.7
NUTECH	35N03E	E3	3.5	R	56.0	33.4	19.9	11.3	3	560	3	58.0	37.6	<b>67.3</b>	61.0
HOEGEMEYER	3521 SE	E3	3.5	R	55.6	33.4	20.0	11.1	2	556	4	58.9	38.9	<b>66.6</b>	58.1
DYNA-GRO	S35EN99	E3	3.5	R	55.6	32.7	20.0	11.3	2	556	5	59.2	35.8	62.0	<b>65.5</b>
HOEGEMEYER	3350 E	E3	3.3	R	55.5	33.5	19.8	11.3	4	555	6	51.5	<b>39.8</b>	64.5	<b>66.2</b>
FS HISOY	34E80	E3	3.4	R	55.4	32.8	<b>20.5</b>	11.2	2	555	7	57.6	38.6	62.0	63.6
APEX	AE3610	E3	3.6	R	55.4	33.1	19.7	11.3	3	554	8	<b>60.3</b>	37.7	61.3	62.2
STINE	36EB32 §	E3	3.6	R	55.4	32.7	20.1	11.1	4	554	9	58.6	36.8	59.8	<b>66.2</b>
GOLDEN HARVEST	GH3759E3S	E3,ST	3.7	MR	55.1	32.5	<b>20.5</b>	11.1	2	551	10	<b>60.4</b>	<b>40.2</b>	61.0	58.6
FS HISOY	HS 35X00	RRX	3.5	R	54.7	33.1	20.1	11.0	2	547	11	55.5	33.3	<b>67.8</b>	62.0
MIDLAND GENETICS	3711XS	RRX,ST	3.7	R	54.5	32.5	19.5	10.9	2	545	12	59.5	38.1	62.3	58.2
CREDENZ	CZ 3480GTLL	LLGT27	3.4	R	53.7	33.5	19.6	11.0	2	537	13	54.6	34.6	62.1	63.5
HOEGEMEYER	3591 E	E3	3.5	R	53.6	33.5	19.8	11.4	3	536	14	59.5	33.7	58.3	62.7
DYNA-GRO	S37EN39	E3	3.7	R	53.5	33.3	19.9	10.8	2	535	15	59.2	35.9	60.9	57.9
NK BRAND	S35-E3 §	E3	3.5	R	53.4	33.1	19.9	11.3	2	534	16	57.6	33.5	61.6	60.8
DONMARIO	DM3756E	E3	3.7	R	53.0	32.8	20.1	11.0	2	531	17	<b>63.5</b>	32.4	58.4	57.9
NK BRAND	S35-K9X	RRX	3.5	R	53.0	33.0	19.7	11.2	3	530	18	52.6	31.0	<b>67.3</b>	61.2
FS HISOY	32E00	E3	3.2	R	53.0	33.4	19.9	11.2	5	530	19	49.3	<b>39.3</b>	62.5	60.8
LEWIS	3682X	RRX	3.6	R	52.8	<b>34.5</b>	19.4	11.0	2	528	20	55.4	37.9	62.1	55.8
ASGROW	AG33X0 §	RRX	3.3	R	52.8	<b>34.0</b>	19.0	11.1	3	528	21	53.7	34.4	61.7	61.2
NUTECH	34N06E	E3	3.4	R	52.7	32.7	20.1	11.4	2	527	22	54.9	33.0	62.8	60.0
ASGROW	AG37X8 §	RRX	3.7	R	52.5	<b>34.6</b>	19.2	10.9	3	525	23	55.2	35.7	62.4	56.6
PIONEER	P37A27X GC	RRX	3.7	MR	52.5	<b>34.6</b>	19.0	11.0	4	525	24	57.8	33.6	62.4	56.0
PIONEER	P36A83X GC	RRX	3.6	R	52.4	33.1	19.2	11.0	2	524	25	58.8	32.0	61.3	57.4
MIDLAND GENETICS	3537NX	RRX	3.5	R	51.8	<b>34.5</b>	19.3	10.9	2	518	26	54.7	34.3	61.2	56.8
FS HISOY	HS 32X90	RRX	3.2	R	51.7	33.2	19.4	10.9	1	517	27	49.3	32.5	60.9	63.9
DYNA-GRO	S36ES70	E3	3.6	R	51.7	33.4	19.9	11.2	2	517	28	53.0	33.5	<b>67.7</b>	52.4
CREDENZ	CZ 3309GTLL	LLGT27	3.3	R	51.6	33.3	<b>20.4</b>	11.0	2	516	29	53.6	34.4	59.2	59.1
BURRUS	3798X	RRX	3.7	R	51.6	32.8	19.5	11.0	2	516	30	57.7	33.3	58.6	56.6
PIONEER	P38A98X CK	RRX	3.8	R	50.5	33.8	19.2	11.2	2	505	36	53.9	35.6	61.2	51.3

*William Schelp*

<b>Averages =</b>	<b>53.4</b>	<b>33.4</b>	<b>19.7</b>	<b>11.1</b>	<b>3</b>	<b>534</b>	<b>56.6</b>	<b>35.5</b>	<b>62.1</b>	<b>59.2</b>
LSD (0.10) =	3.1	0.6	0.5	ns	1		3.0	3.7	2.9	5.2
LSD (0.25) =	1.6	0.3	0.3	ns	1		1.6	1.9	1.5	2.7

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Prev. years average yield for region: 53.8 bu/a, 3 yr(s)

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

† 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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Report Date: 05/12/2021 Revised: 05/12/2021 CORRECTED protein and oil values and statistics due to lab analysis calibration issue.

2020 Soybeans Top 30 Performance Summary for Missouri North [MONO]

Full-Season Test

3.8 - 4.3 Day CRM

S2020MONOb

Top 30 of 36

For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cairo	Greentop	Palmyra	St. Joseph REJECTED
NK BRAND	S39-E3	E3	3.9	MR	<b>57.0</b>	<b>34.2</b>	19.5	10.6	2	570	1	65.2	<b>42.1</b>	63.8	59.1
HOEGEMEYER	4081 SE	E3,ST	4.0	R	<b>57.0</b>	33.1	19.7	10.6	1	570	2	<b>67.2</b>	<b>38.1</b>	<b>65.8</b>	50.2
STINE	40EB20 §	E3	4.0	NA	<b>56.6</b>	33.5	19.7	10.5	1	566	3	<b>66.5</b>	37.8	<b>65.6</b>	56.5
GOLDEN HARVEST	GH3922E3	E3	3.9	MR	<b>56.5</b>	34.0	19.3	10.6	3	564	4	65.5	<b>40.0</b>	63.8	56.3
NUTECH	43N04E	E3	4.3	R	<b>56.3</b>	32.2	<b>19.8</b>	10.5	4	563	5	<b>69.4</b>	33.9	<b>65.6</b>	61.2
HOEGEMEYER	3921 E	E3	3.9	R	<b>55.6</b>	32.5	<b>20.2</b>	10.6	1	556	6	62.1	<b>38.9</b>	<b>65.9</b>	<b>63.0</b>
BURRUS	3803E	E3	3.8	R	54.9	33.4	<b>19.8</b>	10.7	1	549	7	64.0	<b>37.9</b>	62.8	55.9
FS HISOY	HS 39E00	E3	3.9	R	54.9	33.5	<b>19.9</b>	10.6	1	549	8	<b>66.9</b>	35.0	62.7	55.6
STINE	43EB20 §	E3	4.3	R	54.2	33.4	19.1	10.7	1	543	9	62.7	<b>38.1</b>	62.0	55.3
DYNA-GRO	S39EN19	E3	3.9	R	54.2	33.9	<b>19.8</b>	10.6	1	542	10	64.1	34.0	64.4	55.2
ASGROW	AG39X0 §	RRX,ST	3.9	R	53.9	<b>34.4</b>	19.2	10.5	4	539	11	63.7	37.0	61.1	55.0
MIDLAND GENETICS	3999 E3	E3	3.9	R	53.9	<b>34.4</b>	19.6	10.6	3	539	12	63.3	34.3	64.0	53.8
FS HISOY	HS 41X70	RRX	4.1	R	53.9	33.9	18.6	10.5	3	538	13	60.9	<b>38.8</b>	61.8	53.7
DONMARIO	DM3932E	E3	3.9	R	53.8	33.8	19.6	10.7	2	538	14	65.0	35.1	61.3	53.6
NK BRAND	S39-G2X §	RRX	3.9	R	53.5	<b>34.2</b>	19.1	10.5	4	535	15	<b>66.9</b>	33.8	59.7	53.2
DYNA-GRO	S41ES80	E3	4.1	R	53.4	33.6	19.3	10.7	1	534	16	63.7	36.1	60.4	53.1
LEWIS	4393X	RRX,ST	4.3	R	53.4	33.0	19.3	10.6	2	534	17	61.0	36.2	62.9	52.9
LEWIS	4182X	RRX,ST	4.1	R	53.4	34.0	18.6	10.5	2	534	18	60.7	36.3	63.1	52.8
NUTECH	41N03E	E3	4.1	R	53.2	33.9	18.8	10.7	1	532	19	61.1	<b>39.0</b>	59.5	52.4
MIDLAND GENETICS	4260E3S	E3,ST	4.2	MR	53.1	34.0	19.2	10.6	1	531	20	63.0	35.9	60.5	52.3
DYNA-GRO	S38XS21	RRX,ST	3.8	R	53.0	33.0	19.2	10.6	2	530	21	60.9	35.2	63.0	52.2
CREDENZ	CZ 3840GTLL	LLGT27	3.8	MR	52.8	32.1	19.5	10.6	2	528	22	62.9	33.1	62.5	52.1
FS HISOY	HS 38X00	RRX	3.8	MR	52.7	33.1	19.6	10.5	2	527	23	63.2	32.2	62.7	52.0
MIDLAND GENETICS	3930NXS	RRX,ST	3.9	R	52.4	33.5	18.5	10.6	3	524	24	64.3	33.5	59.5	51.6
NUTECH	39N04E	E3	3.9	R	52.3	33.5	19.5	10.7	1	523	25	62.1	29.6	<b>65.3</b>	61.4
NK BRAND	S42-E3	E3	4.2	NA	52.0	33.5	19.5	10.6	2	520	26	61.1	33.4	61.4	59.9
CREDENZ	CZ 3930GTLL	LLGT27	3.9	R	51.8	32.7	19.4	10.6	3	519	27	62.9	29.7	63.0	59.8
MIDLAND GENETICS	4251X	RRX	4.2	MR	51.7	33.7	18.5	10.7	3	517	28	60.1	30.9	64.1	56.6
DONMARIO	DM 40X61	RRX	4.0	R	51.5	34.0	18.3	10.7	6	515	30	62.2	32.0	60.2	56.8
LEWIS	3803X	RRX	3.8	MR	50.9	<b>34.5</b>	19.2	10.4	2	509	31	60.2	32.5	59.9	57.4
PIONEER	P38A98X CK	RRX	3.8	R	51.6	<b>34.3</b>	18.7	10.7	2	516	29	60.4	34.7	59.8	50.8

Rejected due to high variance

*William Schelp*

<b>Averages =</b>	<b>53.1</b>	<b>33.5</b>	<b>19.3</b>	<b>10.6</b>	<b>2</b>	<b>531</b>	<b>62.8</b>	<b>34.6</b>	<b>62.0</b>	<b>57.1</b>
LSD (0.10) =	2.3	0.7	0.5	ns	2		2.9	3.2	2.5	5.4
LSD (0.25) =	1.2	0.3	0.2	ns	1		1.5	1.7	1.3	2.8

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Prev. years average yield for region: 53.8 bu/a, 3 yr(s)

**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$10.00; non-GMO = \$10.00

† 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. \*There were 2 reps for the site.

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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	DM3756E	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	32E00	E3	R	3.2	ACi,SA
FS HISOY	34E80	E3	R	3.4	ACi,SA
FS HISOY	HS 32X90	RRX	R	3.2	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	R	3.9	PV,IL,OB
CREDENZ	CZ 4241GTLL	LLGT27	NA	4.2	PV,IL,OB
DONMARIO	DM 40X61	RRX	R	4.0	CMBV,SA
DONMARIO	DM 43E51	E3	R	4.3	CMBV,SA
DONMARIO	DM3932E	E3	R	3.9	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	43E00	E3	R	4.3	ACi,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
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,ST	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

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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

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

### Soybeans Technologies\*

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

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## Soybeans Seed Treatments\*\*

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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

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