

Test by: NewVenture, LLC Ellendale, MN

## 2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] LESTER PRAIRIE, MN  
Nathan Ide, McLeod County, MN 55354

<b>Early-Season Test</b>	1.3 - 1.6 Day CRM S2020MNCE02a
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Force, Harness, Tripleflex, Callisto
<b>SOIL DESCRIPTION:</b>	Lester Loam, Canisto Glencoe Complex loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	low P, low K, 7.0 pH, 4.2% OM, 21.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	May 4 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 11 130.4 /A

### TEST COMMENTS:

*This was planted into a very good seedbed with plenty of moisture. Nate said that June and early July were dry but for the most part, the growing season was good. He also noted that the plot average was right in line with the surrounding area on non-pattern-tiled ground. The beans were tall and standing well at harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DYNA-GRO	S14EN90	E3	1.4	R	<b>61.3</b>	9.0	0	132.0	582	1
TITAN PRO	15GL9	LLGT27	1.5	R	<b>58.5</b>	9.2	0	131.0	556	2
PIONEER	P15A88X §	RRX	1.5	R	<b>58.3</b>	8.9	0	129.3	554	3
LOYAL	L1320E	E3	1.3	R	<b>58.3</b>	9.3	1	131.3	554	4
PROSEED	EL91-33	E3	1.3	R	<b>56.9</b>	9.4	0	129.7	541	5
GENESIS	G1650E	E3	1.6	R	<b>56.6</b>	8.2	2	130.0	538	6
STINE	14EB26 §	E3	1.4	R	56.2	9.2	1	130.0	534	7
ZINESTO	Z1400E	E3	1.4	R	55.4	9.3	0	130.7	526	8
GOLD COUNTRY	1609X GC	RRX	1.6	R	55.4	8.8	0	131.7	526	9
APEX	AE1300	E3	1.3	R	54.9	9.2	0	130.3	522	10
THUNDER	TE7013N	E3	1.3	R	54.4	9.3	0	130.3	517	11
HEFTY	H14X8	RRX	1.4	MR	54.0	9.3	0	131.0	513	12
NK BRAND	S13-E3	E3	1.3	MR	51.5	9.6	0	130.3	489	14
TITAN PRO	13E9	E3	1.3	R	51.0	9.5	0	130.3	484	15
LOYAL	L1430E	E3	1.4	R	50.5	8.9	0	129.7	480	16
GENESIS	G1680GL	LLGT27	1.6	R	50.5	9.2	0	131.0	480	17
ANDERSON	159RXT	RRX	1.5	MR	50.5	8.8	0	130.7	480	18
GOLD COUNTRY	1360X	RRX	1.3	R	50.3	9.3	3	129.7	478	19
GOLDEN HARVEST	GH1362E3	E3	1.3	R	49.4	9.3	0	129.7	469	20
RENK	RS150NX	RRX	1.5	R	49.1	9.0	0	131.0	466	21
STINE	12EB32 §	E3	1.2	R	48.4	9.2	0	128.0	460	22
GOLDEN HARVEST	GH1638X	RRX	1.6	MR	48.3	9.2	0	129.3	459	23
TITAN PRO	13GL0	LLGT27	1.3	R	47.5	9.2	0	130.3	451	24
LG SEEDS	1550RX §	RRX	1.5	R	47.2	9.1	0	129.7	448	25
TITAN PRO	15E0	E3	1.5	R	47.0	9.2	0	130.3	446	26
LATHAM	L 1648 LLGT27	LLGT27	1.6	R	46.6	9.4	0	130.3	443	27
APEX	AE1410	E3	1.4	R	46.2	9.3	0	130.3	439	28
GOLDEN HARVEST	GH1557E3	E3	1.5	R	46.1	9.1	0	130.3	438	29
NK BRAND	S16-K2X	RRX	1.6	MR	45.7	8.9	0	130.3	434	30
DAIRYLAND	DSR-1318E	E3	1.3	R	45.6	9.4	0	131.0	433	31
STINE	19EA32 CK	E3	1.9	R	53.7	9.5	0	130.3	510	13
					Averages =	<b>49.5</b>	<b>9.2</b>	<b>0</b>	<b>130.4</b>	<b>471</b>
					LSD (0.10) =	6.9	ns	ns		
					LSD (0.25) =	3.6	ns	ns		
					C.V. =	13.2	Historic yield: 53.6 bu/a, 2 yr(s)			

Ed Dahle

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### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.50

Test by: NewVenture, LLC Ellendale, MN

## 2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] LESTER PRAIRIE, MN  
Nathan Ide, McLeod County, MN 55354

<b>Full-Season Test</b>	1.7 - 2.0 Day CRM S2020MNCE02b
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Force, Harness, Tripleflex, Callisto
<b>SOIL DESCRIPTION:</b>	Lester Loam, Canisto Glencoe Complex loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	low P, low K, 7.0 pH, 4.2% OM, 21.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 4 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 11 130.5 /A

### TEST COMMENTS:

*This was planted into a very good seedbed with plenty of moisture. Nate said that June and early July were dry but for the most part, the growing season was good. He also noted that the plot average was right in line with the surrounding area on non-pattern-tiled ground. The beans were tall and standing well at harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FEDERAL	F2090N	RRX	2.0	R	<b>54.6</b>	9.8	0	131.0	519	1
FEDERAL	F2001N	E3	2.0	R	<b>54.6</b>	9.3	0	131.3	519	2
GOLDEN HARVEST	GH2011E3 §	E3	2.0	MR	<b>54.4</b>	9.0	0	128.7	517	3
APEX	AE1910	E3	1.9	R	<b>53.2</b>	9.2	0	131.7	505	4
GOLDEN HARVEST	GH2041X	RRX	2.0	R	<b>53.0</b>	8.3	0	130.5	504	5
CREDENZ	CZ 2040GTLL	LLGT27	2.0	R	<b>51.4</b>	8.8	0	131.0	488	6
APEX	AE1710	E3	1.7	R	<b>51.3</b>	9.3	0	130.3	487	7
NK BRAND	S20-E3	E3	2.0	MR	<b>51.2</b>	8.9	0	130.3	486	8
NK BRAND	S20-J5X	RRX	2.0	R	<b>50.8</b>	8.8	0	129.7	483	9
LATHAM	L 1858 R2	RR2Y	1.8	R	<b>50.5</b>	9.1	0	129.7	480	10
FEDERAL	F1901N	E3	1.9	R	<b>50.4</b>	9.9	0	130.0	479	11
THUNDER	TE7117N	E3	1.7	R	<b>49.6</b>	9.5	0	131.0	471	13
GENESIS	G1950E	E3	1.9	R	<b>48.9</b>	9.1	0	130.3	465	14
DYNA-GRO	S17EN80	E3	1.7	R	<b>48.5</b>	9.7	0	130.7	461	15
ZINESTO	Z1701G	LLGT27	1.7	R	<b>47.7</b>	8.7	0	131.3	453	16
LOYAL	L1930E	E3	1.9	R	<b>47.6</b>	9.0	0	131.7	452	17
ZINESTO	Z2001E	E3	2.0	R	<b>47.5</b>	8.2	0	130.0	451	18
FEDERAL	F1709N GC	LLGT27	1.7	R	<b>45.8</b>	8.9	0	130.3	435	19
LATHAM	L 2049 E3	E3	2.0	R	<b>45.5</b>	10.2	0	131.0	432	20
LATHAM	L 1769 R2X	RRX	1.7	R	<b>44.9</b>	9.0	0	131.0	427	21
TITAN PRO	20E9	E3	2.0	R	<b>44.5</b>	8.9	0	130.0	423	22
HEFTY	H17X9	RRX	1.7	MR	<b>44.4</b>	9.0	0	129.7	422	23
TITAN PRO	18E9	E3	1.8	R	<b>43.7</b>	8.9	0	132.0	415	24
LG SEEDS	1834RX GC	RRX	1.8	R	<b>43.3</b>	8.9	0	129.7	411	25
PIONEER	P18A98X §	RRX	1.8	R	<b>43.2</b>	9.8	0	130.0	410	26
PIONEER	P20T64E GC	E3	1.9	R	<b>42.9</b>	8.5	0	130.7	408	27
ASGROW	AG17X8 §	RRX	1.7	R	<b>42.7</b>	8.6	0	130.7	406	28
TITAN PRO	19E0	E3	1.9	R	<b>42.7</b>	9.8	0	130.3	406	29
DYNA-GRO	S19XT30	RRX	1.9	R	<b>42.6</b>	9.5	0	130.0	405	30
ANDERSON	179RXT	RRX	1.7	MR	<b>42.5</b>	8.9	0	130.3	404	31
STINE	19EA32 CK	E3	1.9	R	<b>50.2</b>	9.7	0	129.0	477	12
					Averages =	<b>44.8</b>	<b>9.1</b>	<b>0</b>	<b>130.5</b>	<b>426</b>
					LSD (0.10) =	6.1	ns	ns		
					LSD (0.25) =	3.2	ns	ns		
					C.V. =	13.0				
Ed Dahle					Historic yield: 53.6 bu/a, 2 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$9.50

## 2020 Soybeans - Minnesota Central [ MNCE ]

### Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
ANDERSON	159RXT	RRX	MR	1.5	Untreated
APEX	AE1300	E3	R	1.3	CMBV,SA
APEX	AE1410	E3	R	1.4	CMBV,SA
CREDENZ	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
DAIRYLAND	DSR-1318E	E3	R	1.3	Lum,Lu,IL
DAIRYLAND	DSR-1673E	E3	R	1.6	Lum,Lu,IL
DYNA-GRO	S14EN90	E3	R	1.4	EQV,SA
GENESIS	G1340E	E3	R	1.3	CMBV,SA
GENESIS	G1450E	E3	R	1.4	CMBV,SA
GENESIS	G1650E	E3	R	1.6	CMBV,SA
GENESIS	G1680GL	LLGT27	R	1.6	EcTC
GOLD COUNTRY	1360X	RRX	R	1.3	ACi,IL
GOLD COUNTRY	1609X GC	RRX	R	1.6	ACi,IL
GOLDEN HARVEST	GH1362E3	E3	R	1.3	CMBV,SA
GOLDEN HARVEST	GH1557E3	E3	R	1.5	CMBV,SA
GOLDEN HARVEST	GH1638X	RRX	MR	1.6	CMBV,SA
HEFTY	H14X8	RRX	MR	1.4	HCS
HEFTY	H16X1	RRX	R	1.6	HCS
LATHAM	L 1648 LLGT27	LLGT27	R	1.6	SS+
LG SEEDS	1550RX §	RRX	R	1.5	NA
LOYAL	L1320E	E3	R	1.3	CMBV,SA
LOYAL	L1430E	E3	R	1.4	CMBV,SA
NK BRAND	S13-E3	E3	MR	1.3	CMBV,SA
NK BRAND	S14-U9X §	RRX	MR	1.4	CMBV,SA
NK BRAND	S16-K2X	RRX	MR	1.6	CMBV,SA
PIONEER	P15A88X §	RRX	R	1.5	NA
PROSEED	EL91-33	E3	R	1.3	NA
RENK	RS149NX	RRX	R	1.4	EcTC
RENK	RS150NX	RRX	R	1.5	EcTC
STINE	12EB32 §	E3	R	1.2	NA
STINE	13EA12 §	E3	R	1.3	NA
STINE	14EB26 §	E3	R	1.4	NA
STINE	19EA32 CK	E3	R	1.9	NA
THUNDER	SB8015N	RRX	R	1.5	NA
THUNDER	TE7013N	E3	R	1.3	NA
TITAN PRO	13E9	E3	R	1.3	SA,A,R,G

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
TITAN PRO	13GL0	LLGT27	R	1.3	SA,A,R,G
TITAN PRO	15E0	E3	R	1.5	SA,A,R,G
TITAN PRO	15GL9	LLGT27	R	1.5	SA,A,R,G
ZINESTO	Z1301G	LLGT27	R	1.3	NA
ZINESTO	Z1400E	E3	R	1.4	NA
ZINESTO	Z1601E	E3	R	1.6	NA

## 2020 Soybeans - Minnesota Central [ MNCE ]

### Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
ANDERSON	179RXT	RRX	MR	1.7	Untreated
APEX	AE1710	E3	R	1.7	CMBV,SA
APEX	AE1910	E3	R	1.9	CMBV,SA
ASGROW	AG17X8 §	RRX	R	1.7	NA
ASGROW	AG19X0 §	RRX	R	1.9	NA
ASGROW	AG20X9 §	RRX	R	2.0	NA
CREDENZ	CZ 1859GTLL	LLGT27	R	1.8	PV,IL,OB
CREDENZ	CZ 2040GTLL	LLGT27	R	2.0	PV,IL,OB
DAIRYLAND	DSR-2030E	E3	R	1.9	Lum,Lu,IL
DYNA-GRO	S17EN80	E3	R	1.7	EQV,SA
DYNA-GRO	S17XT29	RRX	R	1.7	EQV,SA
DYNA-GRO	S19XT30	RRX	R	1.9	EQV,SA
FEDERAL	F1709N GC	LLGT27	R	1.7	Untreated
FEDERAL	F1901N	E3	R	1.9	Untreated
FEDERAL	F1909N	LLGT27	R	1.8	Untreated
FEDERAL	F2001N	E3	R	2.0	Untreated
FEDERAL	F2090N	RRX	R	2.0	Untreated
GENESIS	G1950E	E3	R	1.9	CMBV,SA
GOLDEN HARVEST	GH1915X	RRX	R	1.9	CMBV,SA
GOLDEN HARVEST	GH2011E3 §	E3	MR	2.0	CMBV,SA
GOLDEN HARVEST	GH2041X	RRX	R	2.0	CMBV,SA
HEFTY	H17X9	RRX	MR	1.7	HCS
HEFTY	H18X1	RRX	R	1.8	HCS
LATHAM	L 1758 E3	E3	R	1.7	SS+
LATHAM	L 1769 R2X	RRX	R	1.7	SS+
LATHAM	L 1858 R2	RR2Y	R	1.8	SS+
LATHAM	L 1948 R2X	RRX	R	1.9	SS+
LATHAM	L 1995 E3	E3	R	1.9	SS+
LATHAM	L 2049 E3	E3	R	2.0	SS+
LATHAM	L 2084 R2	RR2Y	R	2.0	SS
LG SEEDS	1834RX GC	RRX	R	1.8	NA
LOYAL	L1930E	E3	R	1.9	CMBV,SA
NK BRAND	S19-2E3 §	E3	R	1.9	CMBV,SA
NK BRAND	S20-E3	E3	MR	2.0	CMBV,SA
NK BRAND	S20-J5X	RRX	R	2.0	CMBV,SA
PIONEER	P18A98X §	RRX	R	1.8	NA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
PIONEER	P20T64E GC	E3	R	1.9	NA
STINE	19EA32 CK	E3	R	1.9	NA
THUNDER	SB8818N	RRX	R	1.8	NA
THUNDER	TE7117N	E3	R	1.7	NA
THUNDER	TE7119N	E3	R	1.9	NA
TITAN PRO	17E0	E3	R	1.7	SA,A,R,G
TITAN PRO	18E9	E3	R	1.8	SA,A,R,G
TITAN PRO	19E0	E3	R	1.9	SA,A,R,G
TITAN PRO	20E9	E3	R	2.0	SA,A,R,G
ZINESTO	Z1701G	LLGT27	R	1.7	NA
ZINESTO	Z1801E	E3	R	1.8	NA
ZINESTO	Z2001E	E3	R	2.0	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®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

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## Soybeans Seed Treatments\*\*

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NA	Not Available
ACi,IL	Acceleron Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS	SoyShield
SS+	SoyShield Plus
Untreated	No seed treatment

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