

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] BUFFALO, MN

Bill Daluge, Wright County, MN

Early-Season Test	1.3 - 1.6 Day CRM S2020MNCE01a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Angus- Le Sueur Complex loam, well drained, non-irrigated
SOIL CONDITION:	high P, high K, 5.8 pH, 2.9% OM, 16.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Buccaneer, Battle Star, Warrant, Assure li, Approach
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 130.8 /A

TEST COMMENTS:

This is a very level and uniform site. This was a very high yielding plot with the plants being full of mature large beans on tall plants. Bill told me that it was a little dry early but that it was a near-perfect growing season. The weed control was excellent and no white mold was noted in the plot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S16-K2X	RRX	1.6	MR	73.8	9.1	0	130.3	701	1
HEFTY	H16X1	RRX	1.6	R	73.4	9.0	0	130.7	697	2
PROSEED	EL91-33	E3	1.3	R	72.0	9.2	0	131.0	684	3
NK BRAND	S13-E3	E3	1.3	MR	71.0	9.6	0	129.7	674	4
DYNA-GRO	S14EN90	E3	1.4	R	70.9	9.5	5	131.3	674	5
GOLD COUNTRY	1609X GC	RRX	1.6	R	70.5	9.4	0	131.3	670	6
LATHAM	L 1648 LLGT27	LLGT27	1.6	R	69.9	9.1	0	130.7	664	7
LOYAL	L1320E	E3	1.3	R	69.2	9.4	0	131.3	657	8
DAIRYLAND	DSR-1318E	E3	1.3	R	69.2	9.4	0	130.3	657	9
GOLDEN HARVEST	GH1638X	RRX	1.6	MR	66.7	9.2	0	131.0	634	10
PIONEER	P15A88X §	RRX	1.5	R	66.7	9.6	0	130.3	634	11
GENESIS	G1680GL	LLGT27	1.6	R	66.3	9.6	0	131.3	630	12
STINE	12EB32 §	E3	1.2	R	65.8	9.2	0	131.3	625	13
ZINESTO	Z1301G	LLGT27	1.3	R	64.1	9.8	0	130.0	609	14
GOLDEN HARVEST	GH1362E3	E3	1.3	R	63.9	9.3	0	131.3	607	15
NK BRAND	S14-U9X §	RRX	1.4	MR	63.0	9.0	0	131.0	598	16
TITAN PRO	13E9	E3	1.3	R	61.7	9.0	5	131.0	586	17
CREDENZ	CZ 1660GTLL	LLGT27	1.6	MR	61.4	9.4	0	131.7	583	18
HEFTY	H14X8	RRX	1.4	MR	61.2	9.0	0	131.3	581	19
TITAN PRO	13GL0	LLGT27	1.3	R	60.8	9.2	0	131.0	578	20
TITAN PRO	15GL9	LLGT27	1.5	R	60.5	10.0	0	132.0	575	21
GENESIS	G1340E	E3	1.3	R	60.1	9.4	0	131.0	571	22
ANDERSON	159RXT	RRX	1.5	MR	60.0	9.0	0	130.3	570	23
THUNDER	TE7013N	E3	1.3	R	60.0	9.0	0	130.7	570	24
GOLDEN HARVEST	GH1557E3	E3	1.5	R	59.2	10.0	0	130.7	562	26
GENESIS	G1450E	E3	1.4	R	58.9	9.6	0	130.3	560	27
ZINESTO	Z1400E	E3	1.4	R	58.8	9.0	0	131.3	559	28
LG SEEDS	1550RX §	RRX	1.5	R	58.4	9.1	0	131.0	555	29
RENK	RS149NX	RRX	1.4	R	58.2	9.1	0	129.7	553	30
STINE	14EB26 §	E3	1.4	R	57.2	9.4	0	130.7	543	31
STINE	19EA32 CK	E3	1.9	R	59.9	10.9	0	131.3	569	25

Averages = **61.1** **9.4** **0** **130.8** **581**

LSD (0.10) = 9.4 0.4 ns

LSD (0.25) = 4.9 0.2 ns

Ed Dahle

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C.V. = 14.6

Historic yield: new site

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.50

Report Date: 10/12/2020

† 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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Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] BUFFALO, MN

Bill Daluge, Wright County, MN

Full-Season Test	1.7 - 2.0 Day CRM S2020MNCE01b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Angus- Le Sueur Complex loam, well drained, non-irrigated
SOIL CONDITION:	high P, high K, 5.8 pH, 2.9% OM, 16.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Buccaneer, Battle Star, Warrant, Assure li, Approach
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 131.0 /A

TEST COMMENTS:

This is a very level and uniform site. This was a very high yielding plot with the plants being full of mature large beans on tall plants. Bill told me that it was a little dry early but that it was a near-perfect growing season. The weed control was excellent and no white mold was noted in the plot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S20-J5X	RRX	2.0	R	75.2	9.2	0	131.0	714	2
TITAN PRO	20E9	E3	2.0	R	73.4	10.8	0	130.7	697	3
LATHAM	L 1948 R2X	RRX	1.9	R	72.0	9.5	0	130.3	684	4
HEFTY	H17X9	RRX	1.7	MR	70.8	8.9	0	131.3	673	5
LATHAM	L 2084 R2	RR2Y	2.0	R	70.5	11.0	0	131.3	670	6
GOLDEN HARVEST	GH1915X	RRX	1.9	R	70.2	9.3	0	131.0	667	7
LG SEEDS	1834RX GC	RRX	1.8	R	69.6	9.7	0	131.3	661	8
FEDERAL	F1909N	LLGT27	1.8	R	69.5	8.8	0	131.0	660	9
GOLDEN HARVEST	GH2011E3 §	E3	2.0	MR	68.3	11.8	0	129.7	649	10
ASGROW	AG20X9 §	RRX	2.0	R	68.2	9.3	0	131.0	648	11
HEFTY	H18X1	RRX	1.8	R	68.0	9.9	3	131.0	646	12
FEDERAL	F2090N	RRX	2.0	R	68.0	9.7	0	131.3	646	13
CREDENZ	CZ 1859GTLL	LLGT27	1.8	R	67.4	9.2	0	130.3	640	14
THUNDER	SB8818N	RRX	1.8	R	66.7	9.7	0	131.0	634	15
PIONEER	P18A98X §	RRX	1.8	R	66.6	9.1	0	131.0	633	16
THUNDER	TE7119N	E3	1.9	R	65.2	11.4	3	130.3	619	17
ASGROW	AG17X8 §	RRX	1.7	R	65.2	8.6	0	130.0	619	18
APEX	AE1910	E3	1.9	R	65.2	10.8	0	130.7	619	19
NK BRAND	S20-E3	E3	2.0	MR	64.9	11.5	0	131.0	617	20
FEDERAL	F1709N GC	LLGT27	1.7	R	63.5	10.2	0	131.3	603	21
LATHAM	L 1769 R2X	RRX	1.7	R	63.4	9.0	0	131.0	602	22
LATHAM	L 1858 R2	RR2Y	1.8	R	63.4	9.3	0	131.7	602	23
GOLDEN HARVEST	GH2041X	RRX	2.0	R	62.6	9.6	0	131.0	595	24
DYNA-GRO	S17XT29	RRX	1.7	R	62.6	8.8	0	131.3	595	25
TITAN PRO	19E0	E3	1.9	R	62.3	10.8	0	131.0	592	26
ASGROW	AG19X0 §	RRX	1.9	R	62.2	10.8	0	131.3	591	27
LATHAM	L 1995 E3	E3	1.9	R	61.8	10.5	0	131.0	587	28
LOYAL	L1930E	E3	1.9	R	60.5	11.4	0	131.3	575	29
FEDERAL	F2001N	E3	2.0	R	59.9	11.9	0	131.0	569	30
ANDERSON	179RXT	RRX	1.7	MR	59.8	9.1	0	130.7	568	31
STINE	19EA32 CK	E3	1.9	R	78.0	9.9	0	131.0	741	1

Averages = **63.1** **10.1** **0** **131.0** **600**

LSD (0.10) = 8.9 0.7 ns

LSD (0.25) = 4.7 0.3 ns

Ed Dahle

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C.V. = 13.4

Historic yield: new site

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

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®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

Soybeans Seed Treatments**

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

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