

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] STARBUCK, MN
Matt Moe, Pope County, MN 56381

Early-Season Test	1.3 - 1.6 Day CRM S2020MNCE03a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Class Act
SOIL DESCRIPTION:	Osakis Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 7.9 pH, 4.5% OM, 23.7 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Class Act, Interlock, Roundup Power Max, Ultra Blazer, Destiny Hc, Flexstar, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 129.3 /A

TEST COMMENTS:

This plot was planted into a very good seedbed. The emergence was very good also. The weeds were a problem as the third rep had to be abandoned. The weeds were controlled well in the first rep and partway through the second rep. This site has had prominent IDC in the past, but during a late August site visit, none was noted. Test data was rejected due to high variability in the remaining 2 reps.

Company/Brand	Product/Brand	Tested 1	RR	SN	Yield	Moisture	Lodging	Stand	Gross Income	Per A
				Seed	Bu./A	%	%	In 1000	\$/Acre	
SYNE	18812 G	ES	1.2	ns	47.7	12.2	0	134.5	403	1
GENESIS	07880L	LL072P	1.8	ns	42.8	12.3	0	135.0	407	2
LYRAL	L1308E	ES	1.3	ns	42.7	12.3	0	133.0	408	3
GOLD COUNTRY	18812	RRS	1.3	ns	37.9	12.0	0	131.5	380	4
APEX	AE1410	ES	1.3	ns	37.4	12.1	0	130.0	380	5
LATHAM	L 18812 LL072P	LL072P	1.8	ns	37.3	12.0	0	134.5	385	6
GENESIS	07880E	ES	1.8	ns	37.2	12.1	0	131.5	382	7
GOLDEN HARVEST	07880E3	ES	1.3	ns	37.1	12.0	0	131.5	382	8
GENESIS	07880E	ES	1.3	ns	37.1	12.0	0	131.5	382	9
NEW	NE1008E	RRS	1.4	ns	35.7	12.4	0	117.0	320	10
THUNDER	TE1010N	ES	1.3	ns	35.7	12.3	0	133.0	318	11
HEFTY	H1801	RRS	1.3	ns	35.7	12.3	0	133.0	318	12
MR BRAND	MR 1408 G	RRS	1.4	ns	35.2	11.9	0	111.0	305	13
DARTLAND	DR 1478E	ES	1.8	ns	35.1	12.1	0	134.5	302	14
PROCEED	PL 1410	ES	1.3	ns	35.1	12.1	0	133.0	300	15
PIONEER	P18812 G	RRS	1.3	ns	35.0	12.0	0	132.0	298	16
TITAN PRO	T1812	LL072P	1.3	ns	35.0	12.2	0	133.0	298	17
APEX	AE1410	ES	1.3	ns	35.0	12.2	0	133.0	298	18
ANDERSON	AN1817	RRS	1.3	ns	35.4	12.1	0	128.5	298	19
SYNE	18812 G	ES	1.3	ns	35.8	12.1	0	131.5	290	20
HEFTY	H1801	RRS	1.4	ns	35.7	12.3	0	111.0	290	21
MR BRAND	MR 1408 G	RRS	1.3	ns	29.2	12.0	0	132.7	277	22
TITAN PRO	T1812	ES	1.3	ns	29.8	11.9	0	131.5	274	23
TITAN PRO	T1812	LL072P	1.3	ns	29.2	12.4	0	128.5	267	24
GOLD COUNTRY	18812 G	RRS	1.8	ns	29.2	12.0	0	131.5	267	25
DARTLAND	DR 1478E	ES	1.3	ns	27.8	12.5	0	133.0	265	27
CRISTINE	CE 18812LL	LL072P	1.8	ns	27.3	12.1	0	134.0	258	28
ZINCO	Z18812	ES	1.4	ns	26.4	12.5	0	118.5	251	29
NEW	NE1008E	RRS	1.5	ns	26.4	12.5	0	122.0	251	30
GENESIS	07880E	ES	1.3	ns	26.4	12.2	0	131.5	251	31
SYNE	18812 G	ES	1.3	ns	26.2	12.2	0	131.5	250	32
					Averages =	29.7	12.2	0	128.5	284
					LSD (0.10) =	ns	ns	ns		
					LSD (0.20) =	ns	ns	ns		
					C.V. =	31.8				Historic yield: 48.1 Bu./A, 3 yrs
Field & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Price: (BID) = \$0.50										

REJECTED

Report Date: 10/05/2020

Revised: 10/05/2020

Additional reports available at www.firstseedtests.com

† 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

©2020, All rights reserved by Elite Field Genetics, LLC

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] STARBUCK, MN
Matt Moe, Pope County, MN 56381

Full-Season Test	1.7 - 2.0 Day CRM S2020MNCE03b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Class Act
SOIL DESCRIPTION:	Osakis Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 7.9 pH, 4.5% OM, 23.7 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Class Act, Interlock, Roundup Power Max, Ultra Blazer, Destiny Hc, Flexstar, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 132.6 /A

TEST COMMENTS:

This plot was planted into a very good seedbed. The emergence was very good also. The weeds were a problem as the third rep had to be abandoned. The weeds were controlled well in the first rep and partway through the second rep. This site has had prominent IDC in the past, but during a late August site visit, none was noted. Test data was rejected due to high variability in the remaining 2 reps.

Company/Brand	Product/Brand	Tested /	RR	NS	Yield Bu/A	Moisture %	Lodging %	Stand in 2020	Gross Income \$/Acre	Reps
APEX	4E1910	E3	1.8	R	48.8	12.1	2	134.0	422	1
LATHAM	L 1988 E3	E3	1.8	R	48.1	12.2	0	133.0	418	2
LATHAM	L 1988 R2	RR2V	1.8	R	48.1	12.4	0	134.0	399	3
ZINCOFF	Z1819E	E3	1.8	R	39.8	12.0	0	131.0	387	4
SYNCO-GRD	S18173E	RR3	1.8	R	39.8	12.2	0	131.0	387	5
TITAN PRO	1982	E3	1.8	R	39.2	12.3	0	131.0	382	6
MR BRAND	S20-43	E3	2.0	NS	37.1	12.1	0	131.0	382	7
MR BRAND	S19-203 g	E3	1.8	R	37.1	12.1	0	131.0	382	8
LATHAM	L 1988 R2K	RR3	1.7	R	37.7	12.0	0	134.0	388	9
AGRIUM	AG1780 g	RR3	1.9	R	36.3	12.1	0	133.0	384	10
FEDERAL	F1817H	E3	1.8	R	35.1	12.1	0	134.0	352	11
TITAN PRO	2023	E3	1.7	R	35.1	12.1	0	133.0	350	12
PIONEER	P1818H g	RR3	1.8	R	34.7	12.7	0	133.0	329	13
GOLDEN HARVEST	G1817H	RR3	2.0	NS	34.7	12.7	0	133.0	323	14
SYNCO-GRD	S17184E	RR3	1.7	R	34.7	12.3	0	133.0	318	15
GOLDEN HARVEST	G1817H	RR3	1.8	R	33.5	12.2	2	133.0	318	17
LD SEEDS	18184H GC	RR3	1.8	R	32.9	12.8	0	133.0	309	18
TRAINER	T8818H	RR3	1.8	R	32.2	12.3	0	134.0	305	19
AGRIUM	AG1778 g	RR3	1.8	R	32.1	12.1	2	129.0	305	20
LATHAM	L 2040 E3	E3	2.0	R	32.2	12.5	0	134.0	287	21
LATHAM	L 2040 R2	E3	2.0	R	32.1	12.1	0	134.0	286	22
LYRAL	1817	E3	1.8	R	28.7	12.8	0	132.0	275	23
LATHAM	1817	RR3	1.7	R	28.7	12.3	0	131.0	272	24
MR BRAND	S1817	RR3	2.0	R	27.8	12.2	0	134.0	264	25
LATHAM	L 1718 E3	E3	1.7	R	27.8	12.1	0	131.0	264	26
GOLDEN HARVEST	G1817E3 g	E3	2.0	NS	27.7	12.3	0	134.0	263	27
CRISTINA	CE 20187LA	LL07P	2.0	R	27.1	12.2	0	133.0	257	28
GENESIS	G1818E	E3	1.8	R	26.9	12.0	0	129.0	256	29
SMITHLAND	S181738E	E3	1.8	R	26.7	12.7	7	132.0	254	30
CRISTINA	CE 20187LA	LL07P	1.8	R	26.6	12.1	0	133.0	253	31
Average					29.3	12.3	0	132.8	278	
LSD (0.10)					0.3	ns	ns			
LSD (0.20)					0.3	ns	ns			
C.V.					21.8					

Elite Data
el@firstseedtests.com 2021-08-02

Field & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Price: (2020) = \$0.50

Report Date: 10/05/2020

Revised: 10/05/2020

Additional reports available at www.firstseedtests.com

† 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

©2020, All rights reserved by Elite Field Genetics, LLC

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] STARBUCK, MN

Matt Moe, Pope County, MN 56381

Full-Season Test	1.7 - 2.0 Day CRM S2020MNCE03b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Class Act
SOIL DESCRIPTION:	Osakis Sandy Loam sandy loam, well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 7.9 pH, 4.5% OM, 23.7 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Class Act, Interlock, Roundup Power Max, Ultra Blazer, Destiny Hc, Flexstar, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 132.6 /A

TEST COMMENTS:

This plot was planted into a very good seedbed. The emergence was very good also. The weeds were a problem as the third rep had to be abandoned. The weeds were controlled well in the first rep and partway through the second rep. This site has had prominent IDC in the past, but during a late August site visit, none was noted. Test data was rejected due to high variability in the remaining 2 reps.



Photo taken at Starbuck, MN during harvest 5-Oct-2020. Courtesy of Ed Dahle.

Report Date: 10/05/2020

Revised: 10/05/2020

Additional reports available at www.firstseedtests.com

† 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

©2020, All rights reserved by Elite Field Genetics, LLC

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	None
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	None
PROSEED	EL91-33	E3	R	1.3	None
RENK	RS149NX	RRX	R	1.4	EcTC
RENK	RS150NX	RRX	R	1.5	EcTC
STINE	12EB32 §	E3	R	1.2	None
STINE	13EA12 §	E3	R	1.3	None
STINE	14EB26 §	E3	R	1.4	None
STINE	19EA32 CK	E3	R	1.9	None
THUNDER	SB8015N	RRX	R	1.5	None
THUNDER	TE7013N	E3	R	1.3	None
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	None
ZINESTO	Z1400E	E3	R	1.4	None
ZINESTO	Z1601E	E3	R	1.6	None

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	None
ASGROW	AG19X0 §	RRX	R	1.9	None
ASGROW	AG20X9 §	RRX	R	2.0	None
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	None
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	None

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
PIONEER	P20T64E GC	E3	R	1.9	None
STINE	19EA32 CK	E3	R	1.9	None
THUNDER	SB8818N	RRX	R	1.8	None
THUNDER	TE7117N	E3	R	1.7	None
THUNDER	TE7119N	E3	R	1.9	None
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	None
ZINESTO	Z1801E	E3	R	1.8	None
ZINESTO	Z2001E	E3	R	2.0	None

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**

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.