

Test by: NewVenture, LLC Ellendale, MN

## 2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] WENDELL, MN

Chad Biss, Grant County, MN 56531

<b>Early-Season Test</b>	0.6 - 0.9 Day CRM S2020MNNC04a
<b>Top 27 of 27</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Status, Roundup Wm
<b>SOIL DESCRIPTION:</b>	Aazdahl-Formdale-Balaton Clay Loams clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	low P, low K, 7.0 pH, 4.9% OM, 25.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Raptor, Basagran, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 6 129.8 /A

### TEST COMMENTS:

*This site was planted into great early season soil conditions. Chad said that they had a "fought" this year. He said that there was an over-abundance of rain early followed by very dry conditions. The plot did have some variability in the first rep, and the yield did go up the further we went along in the plot. The beans were dry and combined easily. The late-season test results were rejected due to high within-product variability.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
STINE	06EC23 §	E3	0.6	R	<b>54.4</b>	10.2	0	129.3	517	1
GENESIS	G0850E	E3	0.8	R	<b>52.7</b>	10.0	1	130.3	501	2
DAIRYLAND	DSR-0920E	E3	0.9	R	<b>52.2</b>	9.9	0	129.7	496	3
DAIRYLAND	DSR-0717E	E3	0.7	S	<b>49.7</b>	10.0	0	129.3	472	4
LATHAM	L 0982 R2	RR2Y	0.9	R	47.6	10.1	0	131.0	452	5
APEX	AE0810	E3	0.8	R	46.4	10.1	0	128.7	441	6
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	46.0	10.1	1	130.3	437	7
LOYAL	L0830E	E3	0.8	R	44.9	10.0	0	131.0	427	8
PROSEED	EL20-73	E3	0.7	R	44.7	9.8	3	130.0	425	9
STINE	09EA02 §	E3	0.9	R	43.5	10.1	0	130.3	413	10
NK BRAND	S09-3E3	E3	0.9	NA	42.8	10.2	0	130.3	407	11
DAIRYLAND	DSR-0847E	E3	0.8	MR	42.5	10.1	0	131.3	404	12
PIONEER	P09A53X §	RRX	0.9	NA	41.9	10.0	0	127.3	398	13
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	41.7	10.1	0	130.0	396	14
THUNDER	SB8807N	RRX	0.7	R	41.5	10.0	1	131.3	394	15
ASGROW	AG08X0 §	RRX	0.8	R	41.0	10.3	0	129.0	390	16
ZINESTO	Z0701E	E3	0.7	R	40.5	10.2	1	129.0	385	17
THUNDER	TE7107N	E3	0.7	R	40.0	10.0	0	131.7	380	18
DAIRYLAND	DSR-0645E	E3	0.6	R	39.6	10.0	0	132.0	376	19
NK BRAND	S09-D4X §	RRX	0.9	S	39.1	10.1	0	130.0	371	20
CREDENZ	CZ 0419GTLL	LLGT27	0.4	MR	39.1	10.1	3	129.3	371	21
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	38.8	10.1	1	126.7	369	22
THUNDER	SB8009N	RRX	0.9	R	38.6	10.1	0	129.3	367	23
ZINESTO	Z0601E	E3	0.6	R	37.6	10.1	0	129.0	357	25
THUNDER	SB8906N	RRX	0.6	R	35.2	10.1	0	128.3	334	26
NK BRAND	S07-Q4X §	RRX	0.7	MR	33.6	10.2	0	129.3	319	27
STINE	14EB26 CK	E3	1.4	R	37.8	10.3	0	130.3	359	24
					<b>Averages =</b>	<b>42.7</b>	<b>10.1</b>	<b>0</b>	<b>129.8</b>	<b>406</b>
					LSD (0.10) =	6.7	ns	ns		
					LSD (0.25) =	3.5	ns	ns		
					C.V. =	14.7	Historic yield: 49.2 bu/a, 2 yr(s)			

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

Report Date: 10/07/2020

Additional reports available at [www.firstseedtests.com](http://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

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## 2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] WENDELL, MN

Chad Biss, Grant County, MN 56531

<b>Full-Season Test</b>	1.0 - 1.5 Day CRM S2020MNNC04b
<b>Top 30 of 62</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Status, Roundup Wm
<b>SOIL DESCRIPTION:</b>	Aazdahl-Formdale-Balaton Clay Loams clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	low P, low K, 7.0 pH, 4.9% OM, 25.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Raptor, Basagran, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 6 129.9 /A

### TEST COMMENTS:

*This site was planted into great early season soil conditions. Chad said that they had a "fought" this year. He said that there was an over-abundance of rain early followed by very dry conditions. The plot did have some variability in the first rep, and the yield did go up the further we went along in the plot. The beans were dry and combined easily. The late-season test results were rejected due to high within-product variability.*

Company/Brand	Product/Brand	Tested /	RR	SN Reprod.	Yield Bu/A	Moisture %	Logging %	Stand in 2020	Gross Income \$/Acre	Rank
GOLD COUNTRY	1808	RR	1.3	R	40.2	10.1	0	129.3	477	1
SYN-GRO	510378	RR	1.3	R	40.3	10.3	0	129.3	488	2
MR BRAND	512728	RR	1.2	RR	40.8	10.5	0	129.7	495	3
GENESIS	51048	E3	1.3	R	40.4	10.4	1	129.3	490	4
ZINCO	210310	LL0727	1.3	R	40.1	10.4	0	129.3	497	5
MR BRAND	514288	RR	1.4	RR	41.2	10.1	0	129.3	498	6
LATHAM	L 1000 E3	E3	1.3	R	40.1	10.1	0	129.3	492	7
LOYAL	L 1000	E3	1.4	R	40.1	10.0	0	129.3	490	8
THUNDER	500128	RR	1.3	R	40.9	10.1	0	129.3	496	9
GENESIS	51048	E3	1.4	R	40.9	10.1	0	129.3	498	10
LOYAL	L 1000	E3	1.3	R	40.1	10.1	0	129.3	498	11
GENESIS	51048	E3	1.3	R	40.1	10.1	0	129.7	498	12
PROVED	512125	E3	1.3	R	40.3	10.0	1	129.7	490	13
PROVED	512125	E3	1.2	R	40.3	10.1	0	129.3	495	14
MR BRAND	51343	E3	1.3	R	40.3	10.2	0	129.3	490	15
LATHAM	L 1000 E3	E3	1.3	R	40.1	10.1	0	129.3	498	17
RENA	RENA 00	RR	1.3	R	40.9	10.0	0	129.3	497	18
GOLDEN HARVEST	510208	RR	1.3	R	40.7	10.4	0	129.7	495	19
LO BESS	10000 00	RR	1.3	R	40.5	10.1	0	129.3	493	20
GOLDEN HARVEST	510125	E3	1.3	R	40.4	10.2	0	129.3	492	21
CRONING	CE 1000	E3	1.1	RR	40.4	10.2	0	129.3	492	22
PROVED	512125	E3	1.2	R	40.2	10.2	1	129.3	490	23
ZINCO	210310	E3	1.4	R	40.1	10.8	0	129.3	479	24
PIONEER	P 1000 0	RR	1.1	R	40.1	10.2	0	129.3	479	25
THUNDER	500128	RR	1.3	R	40.0	10.1	0	129.7	479	26
APEX	AE 1000	E3	1.4	R	40.8	10.3	0	129.7	477	27
RENA	RENA 00	RR	1.3	R	40.8	10.2	0	129.3	478	28
TOWNSHIP	10000	LL0727	1.3	R	40.4	10.5	0	129.3	472	29
HEFTY	H 1000	RR	1.1	RR	40.3	10.2	0	129.3	471	30
ZINCO	210310	E3	1.1	R	40.2	10.2	0	129.3	470	31
LOYAL	L 1000	E3	1.4	R	40.1	10.1	0	129.3	471	32

REJECTED

Averages =	<b>42.8</b>	<b>10.3</b>	<b>0</b>	<b>129.9</b>	<b>407</b>
LSD (0.10) =	ns	ns	ns		
LSD (0.25) =	ns	ns	ns		
C.V. =	13.7			Historic yield: 49.2 bu/a, 2 yr(s)	

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

Report Date: 10/07/2020

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† 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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## 2020 Soybeans - Minnesota North Central [ MNNC ]

### Early-Season Test Products (27 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE0810	E3	R	0.8	CMBV,SA
ASGROW	AG08X0 §	RRX	R	0.8	None
CREDENZ	CZ 0419GTLL	LLGT27	MR	0.4	PV,IL,OB
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DAIRYLAND	DSR-0645E	E3	R	0.6	Lum,Lu,IL
DAIRYLAND	DSR-0717E	E3	S	0.7	Lum,Lu,IL
DAIRYLAND	DSR-0847E	E3	MR	0.8	Lum,Lu,IL
DAIRYLAND	DSR-0920E	E3	R	0.9	Lum,Lu,IL
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
LATHAM	L 0852 LLGT27	LLGT27	S	0.8	SS+
LATHAM	L 0982 R2	RR2Y	R	0.9	SS+
LOYAL	L0830E	E3	R	0.8	CMBV,SA
NK BRAND	S07-Q4X §	RRX	MR	0.7	CMBV,SA
NK BRAND	S09-3E3	E3	NA	0.9	CMBV,SA
NK BRAND	S09-D4X §	RRX	S	0.9	CMBV,SA
PIONEER	P09A53X §	RRX	NA	0.9	None
PROSEED	EL20-73	E3	R	0.7	None
STINE	06EC23 §	E3	R	0.6	None
STINE	09EA02 §	E3	R	0.9	None
STINE	14EB26 CK	E3	R	1.4	None
THUNDER	SB8009N	RRX	R	0.9	None
THUNDER	SB8807N	RRX	R	0.7	None
THUNDER	SB8906N	RRX	R	0.6	None
THUNDER	TE7107N	E3	R	0.7	None
ZINESTO	Z0601E	E3	R	0.6	None
ZINESTO	Z0701E	E3	R	0.7	None

## 2020 Soybeans - Minnesota North Central [ MNNC ]

### Full-Season Test Products (62 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1010	E3	R	1.0	CMBV,SA
APEX	AE1210S	E3	R	1.2	CMBV,SA
APEX	AE1300	E3	R	1.3	CMBV,SA
APEX	AE1410	E3	R	1.4	CMBV,SA
ASGROW	AG11X8 §	RRX	R	1.1	None
ASGROW	AG14X8 §	RRX	R	1.4	None
CREDENZ	CZ 1139GTLL	LLGT27	MR	1.1	PV,IL,OB
DAIRYLAND	DSR-1032E	E3	R	1.0	Lum,Lu,IL
DAIRYLAND	DSR-1318E	E3	R	1.3	Lum,Lu,IL
DYNA-GRO	S10XT71	RRX	R	1.0	EQV,SA
DYNA-GRO	S11EN40	E3	R	1.1	EQV,SA
DYNA-GRO	S13XT89	RRX	R	1.3	EQV,SA
DYNA-GRO	S14EN90	E3	R	1.4	EQV,SA
FEDERAL	F1401N	E3	R	1.4	Untreated
FEDERAL	F1509N	LLGT27	R	1.5	Untreated
GENESIS	G1050E	E3	R	1.0	CMBV,SA
GENESIS	G1250ES	E3	R	1.2	CMBV,SA
GENESIS	G1340E	E3	R	1.3	CMBV,SA
GENESIS	G1450E	E3	R	1.4	CMBV,SA
GOLD COUNTRY	1360X	RRX	R	1.3	ACi,IL
GOLDEN HARVEST	GH1012E3 §	E3	R	1.0	CMBV,SA
GOLDEN HARVEST	GH1225X	RRX	R	1.2	CMBV,SA
HEFTY	H10X9	RRX	MR	1.0	HCS
HEFTY	H11X8	RRX	MR	1.1	HCS
HEFTY	H13X7	RRX	MR	1.3	HCS
HEFTY	H14X8	RRX	MR	1.4	HCS
LATHAM	L 1085 LLGT27	LLGT27	R	1.0	SS+
LATHAM	L 1094 E3	E3	R	1.0	SS+
LATHAM	L 1392 E3	E3	R	1.3	SS+
LATHAM	L 1429 LLGT27	LLGT27	R	1.4	SS+
LATHAM	L 1482 R2X	RRX	R	1.4	SS+
LATHAM	L 1595 E3	E3	R	1.5	SS+
LG SEEDS	100RX GC	RRX	R	1.0	None
LG SEEDS	1550RX GC	RRX	R	1.5	None
LOYAL	L1030E	E3	R	1.0	CMBV,SA
LOYAL	L1320E	E3	R	1.3	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
LOYAL	L1430E	E3	R	1.4	CMBV,SA
NK BRAND	S10-E3	E3	R	1.0	CMBV,SA
NK BRAND	S12-T2X	RRX	MR	1.2	CMBV,SA
NK BRAND	S13-E3	E3	MR	1.3	CMBV,SA
NK BRAND	S14-U9X	RRX	MR	1.4	CMBV,SA
NK BRAND	S15-3E3	E3	R	1.5	CMBV,SA
PIONEER	P11A44X §	RRX	R	1.1	None
PIONEER	P15A88X §	RRX	R	1.5	None
PROSEED	EL21-03	E3	R	1.0	None
PROSEED	EL21-23	E3	R	1.2	None
PROSEED	EL91-33	E3	R	1.3	None
RENK	RS149NX GC	RRX	R	1.4	EcTC
RENK	RS150NX GC	RRX	R	1.5	EcTC
STINE	10EC20 §	E3	R	1.0	None
STINE	14EB26 CK	E3	R	1.4	None
THUNDER	SB8010N	RRX	R	1.0	None
THUNDER	SB8012N	RRX	R	1.2	None
THUNDER	TE7011N	E3	R	1.1	None
THUNDER	TE7110N	E3	R	1.0	None
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	Z1001E	E3	R	1.0	None
ZINESTO	Z1101E	E3	R	1.1	None
ZINESTO	Z1301G	LLGT27	R	1.3	None
ZINESTO	Z1400E	E3	R	1.4	None

## 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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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 Plus
Untreated	No seed treatment

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