

Test by: NewVenture, LLC Ellendale, MN

## 2021 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] LORETTO, MN

Bill Daluge, Hennepin County, MN

<b>Early-Season Test</b>	1.3 - 1.6 Day CRM S2021MNCE04a
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of ( ) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Angus Loam, Dundas Cordova Complex loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, medium K, 5.3 pH, 1.8% OM, 14.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	
<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>	

### TEST COMMENTS:

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lost to poor weed control										

		Averages =			
Ed Dahle		LSD (0.10) =	ns	ns	ns
ed.dahle@firstseedtests.com, (507) 456-6624		LSD (0.25) =	ns	ns	ns
		C.V. =			Historic yield: new site
<b>Yield &amp; Income Factors:</b>	Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.025	Prices: GMO = \$12.50	

Report Date: 10/15/2021

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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

Test by: NewVenture, LLC Ellendale, MN

## 2021 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] LORETTO, MN

Bill Daluge, Hennepin County, MN

<b>Full-Season Test</b>	1.7 - 2.0 Day CRM S2021MNCE04b
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of ( ) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Angus Loam, Dundas Cordova Complex loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, medium K, 5.3 pH, 1.8% OM, 14.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	
<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>	

### TEST COMMENTS:

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lost to poor weed control										

		Averages =			
		LSD (0.10) =	ns	ns	ns
Ed Dahle		LSD (0.25) =	ns	ns	ns
ed.dahle@firstseedtests.com, (507) 456-6624		C.V. =			Historic yield: new site
<b>Yield &amp; Income Factors:</b>	Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.025	Prices: GMO = \$12.50	

Report Date: 10/15/2021

† 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. ↗ New! Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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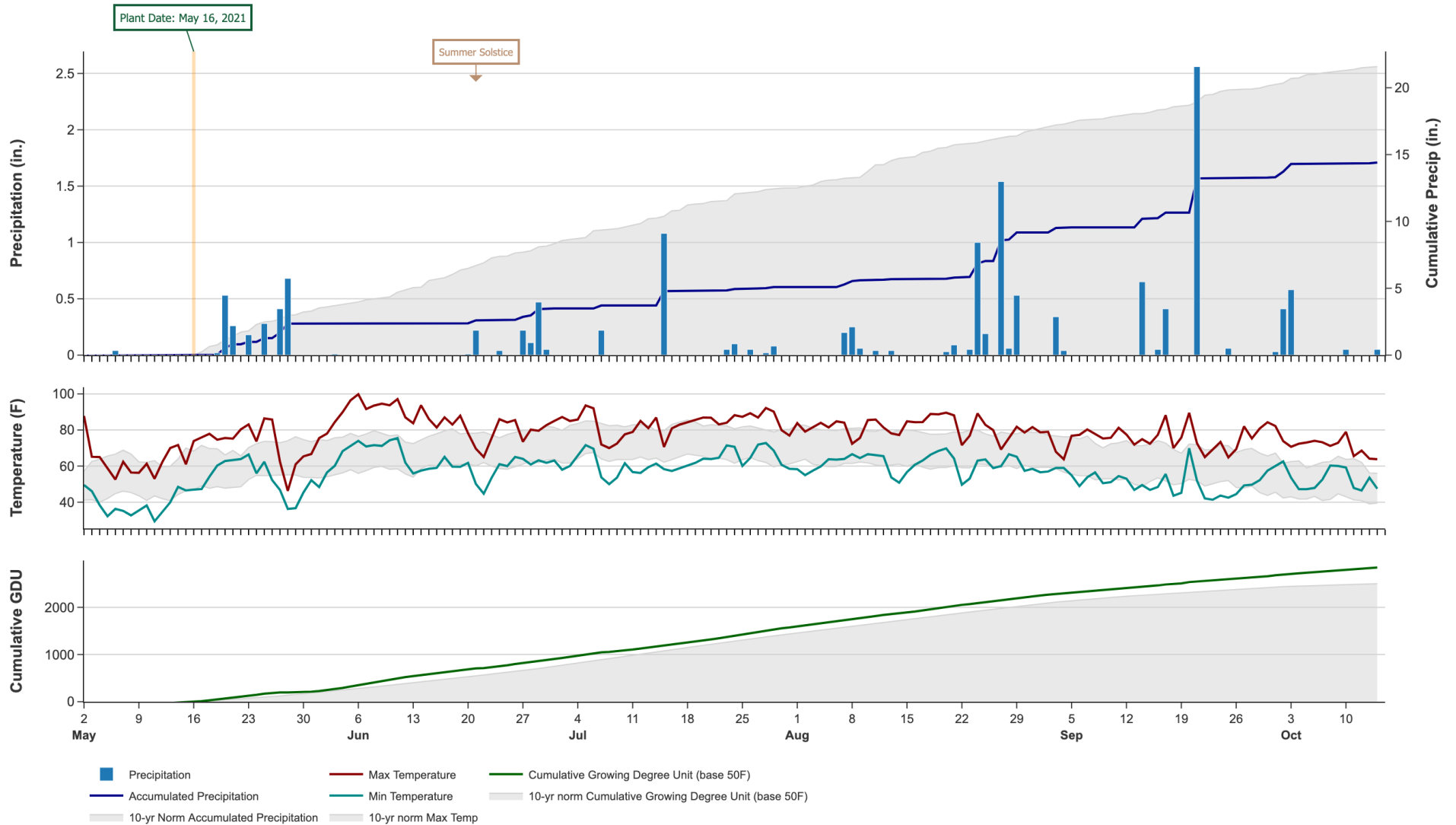
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2021 Soybeans - Minnesota Central [ MNCE ]

## Weather Conditions Summary at LORETTO, MN

Weather Data Retrieved: 10/15/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.4   5.0 (-2.6)	1.1   4.9 (-3.7)	1.6   4.3 (-2.7)	4.1   4.3 (-0.2)	4.1   3.3 (+0.8)	1.1   1.4 (-0.3)	14.4   23.2 (-8.8)
GDU   Normal (Diff)	285   283 (+1)	668   544 (+123)	691   711 (-20)	659   617 (+41)	428   369 (+58)	183   76 (+106)	2914   2602 (+311)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

## 2021 Soybeans - Minnesota Central [ MNCE ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1410	E3	R	1.4	CMBV,SA
Apex	AE1420	E3	R	1.4	CMBV,SA
Apex	AE1520	E3	R	1.5	CMBV,SA
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Credenz	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
Credenz	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
Dairyland	DSR-1318E	E3	R	1.3	Lum,IL
Dairyland	DSR-1450E	E3	R	1.4	Lum,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,IL
Dyna-Gro	S15XF82	RXF	MR	1.5	EQV,SA
Genesis	G1340E	E3	R	1.3	CMBV,SA
Genesis	G1460E	E3	R	1.4	CMBV,SA
Genesis	G1560E	E3	R	1.5	CMBV,SA
Genesis	G1650E	E3	R	1.6	CMBV,SA
Gold Country	1609X	RRX	R	1.6	ACi,IL
Golden Harvest	GH1442XF	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3 §	E3	R	1.4	CMBV,SA
Hefty	H13XF1	RXF	NA	1.3	DST4,SA
Hefty	H14XF1	RXF	NA	1.4	DST4,SA
Hefty	H15XF2	RXF	NA	1.5	DST4,SA
Hefty	H16XF2	RXF	NA	1.6	DST4,SA
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
Latham	L 1429 LLGT27	LLGT27	R	1.4	SS+,SA
Latham	L 1558 E3	E3	R	1.5	SS+,SA
Latham	L 1648 LLGT27	LLGT27	R	1.6	SS+
Loyal	L1230ES	E3,ST	R	1.2	CMBV,SA
Loyal	L1440E	E3	R	1.4	CMBV,SA
Loyal	L1540E	E3	R	1.5	CMBV,SA
NK Brand	NK14-C7XF	RXF	R	1.4	CMBV,SA
NK Brand	NK14-W6E3	E3	MR	1.4	CMBV,SA
Pioneer	P15A63X CK	RRX	NA	1.5	Untreated
Pioneer	P16T58E §	E3	R	1.6	Lum,Lu
Stine	14EE01 §	E3	MR	1.4	Treated
Thunder	SB8015N	RRX	R	1.5	AM
Thunder	TX8215N	RXF	R	1.5	AM
Xitavo	XO 1372E	E3	R	1.3	PV,IL,OB
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB
Zinesto	Z1302E	E3	NA	1.3	DST4,SA
Zinesto	Z1411E	E3	R	1.4	DST4,SA
Zinesto	Z1502E	E3	NA	1.5	DST4,SA
Zinesto	Z1601E	E3	R	1.6	DST4,SA

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## 2021 Soybeans - Minnesota Central [ MNCE ]

### Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1720	E3	R	1.7	CMBV,SA
Apex	AE1920	E3	R	1.9	CMBV,SA
Apex	AE1930	E3	R	1.9	CMBV,SA
Apex	AE2020	E3	R	2.0	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	Untreated
Asgrow	AG20XF1 §	RXF	R	2.0	ACi,IL
Dahlgan	1117E3N GC	E3	R	1.7	IS
Dahlgan	7220XF GC	RXF	NA	2.0	IS
Dairyland	DSR-1707E	E3	R	1.7	Lum,IL
Dairyland	DSR-1820E	E3	R	1.8	Lum,IL
Dairyland	DSR-2030E	E3	R	1.9	Lum,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,IL
Dyna-Gro	S17XF02	RXF	MR	1.7	EQV,SA
Dyna-Gro	S18EN52	E3	MR	1.8	EQV,SA
Dyna-Gro	S19EN21	E3	R	1.9	EQV,SA
Federal	F1909N	LLGT27	R	1.9	MAG
Federal	F1920N	RXF	R	1.9	MAG
Genesis	G1760E	E3	R	1.7	CMBV,SA
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G1970E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3	E3	R	1.8	CMBV,SA
Hefty	H17XF1	RXF	NA	1.7	DST4,SA
Hefty	H18XF2	RXF	NA	1.8	DST4,SA
Hefty	H20XF1	RXF	NA	2.0	DST4,SA
Hefty	H20XF2	RXF	NA	2.0	DST4,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1948 R2X	RRX	R	1.9	SS+,SA
Latham	L 1995 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
LG Seeds	LGS1769XF GC	RXF	R	1.7	ACi,SA
LG Seeds	LGS2025XF GC	RXF	R	2.0	ACi,SA
Loyal	L1740E	E3	R	1.7	CMBV,SA
Loyal	L1940E	E3	R	1.9	CMBV,SA
Loyal	L1950E	E3	R	1.9	CMBV,SA
Loyal	L2040E	E3	R	2.0	CMBV,SA
NK Brand	NK17-M2XF	RXF	R	1.7	CMBV,SA
NK Brand	NK18-J7E3 §	E3	MR	1.8	CMBV,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
Pioneer	P15A63X CK	RRX	NA	1.5	Untreated
Pioneer	P18A33X §	RRX	NA	1.8	Lum,Lu

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Pioneer	P20T64E §	E3	R	2.0	Lum,Lu
Stine	17EE32 §	E3	R	1.7	SFI
Stine	20EE23 §	E3	R	2.0	Untreated
Thunder	TE7218N	E3	R	1.8	AM
Thunder	TX8117N	RXF	R	1.7	AM
Thunder	TX8220N	RXF	R	2.0	AM
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4,SA
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST4,SA

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## 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®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
AM	ApronMaxx
CMBV,SA	Cruiserm maxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EQV,SA	Equity VIP, Saltro®
IS	Intego® Suite
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
MAG	MaxArmor Guard (Federal Hybrids)
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified
Untreated	No seed treatment

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