

Test by: NewVenture, LLC Ellendale, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] BUFFALO, MN

Bill Daluge, Wright County, MN

### All-Season Test

Maturity Group 1.3 - 2.0  
S2022MNCE02

### Top 30 of 59

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, medium K, 5.8 pH, 2.2%  
OM, 15.7 CEC

### TILLAGE/CULTIVATION:

Conventional W/ Fall Till

### PEST MANAGEMENT:

Bifenthrin, Approach Prima,  
Brandt Smart Kb, Interline, Bio  
Forge

### Applied N-P-K (units):

0-0-0

### SEEDED - RATE - ROW:

Jun 4 140.0 /A 30" spacing

### HARVESTED - STAND:

Oct 8 130.2 /A

### TEST COMMENTS:

*The wet spring led to a late plant date. Then the rain shut off. Bill mentioned that he is surprised that the yields are as good as they are due to the lack of rain during most of the growing season. The stand and germination were both very good. The weed control was also excellent.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1603E ↗	E3	1.6	R	<b>69.2</b>	10.4	0	130.0	969	1
Genesis	G1970E ↗	E3	1.9	R	<b>68.0</b>	11.2	3	130.0	952	2
Stine	15EE32 § ↗	E3	1.5	R	<b>67.9</b>	11.0	1	130.0	951	3
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	<b>66.9</b>	10.7	0	131.0	935	4
Pioneer	P13T47E § ↗	E3	1.3	NA	<b>64.6</b>	10.5	3	129.7	904	5
Latham	L 1947 E3 ↗	E3	1.9	R	<b>64.2</b>	10.8	1	131.0	899	6
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	63.7	10.6	0	131.0	892	7
Loyal	L1950E ↗	E3	1.9	R	63.5	10.9	0	131.7	889	8
Dyna-Gro	S16EN42 ↗	E3	1.6	R	62.5	10.6	0	131.0	875	9
Dyna-Gro	S17XF02 ↗	RXF	1.7	MR	62.2	10.5	0	130.7	871	10
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	61.3	10.7	0	131.7	858	11
Genesis	G1760E ↗	E3	1.7	R	61.1	10.7	0	130.3	855	12
Zinesto	Z1411E ↗	E3	1.4	R	60.4	10.6	0	130.3	846	13
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	60.3	10.7	0	129.3	844	14
Zinesto	Z1802E ↗	E3	1.8	NA	60.2	11.4	0	131.0	843	15
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	59.7	10.3	0	131.0	836	16
Xitavo	XO 1822E ↗	E3	1.8	R	59.7	10.9	0	129.0	836	17
Loyal	L1730E ↗	E3	1.7	NA	59.2	10.4	0	130.0	829	18
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	59.1	10.5	0	130.3	827	19
Loyal	L1740E ↗	E3	1.7	R	58.9	10.5	0	130.3	825	20
Golden Harvest	GH1323XF § ↗	RXF	1.3	R	58.8	10.5	0	129.0	823	21
Latham	L 1758 E3 ↗	E3	1.7	R	58.5	10.7	0	129.3	819	22
Xitavo	XO 1372E ↗	E3,ST	1.3	R	58.3	10.4	0	128.7	816	23
Xitavo	XO 1451E ↗	E3	1.4	R	58.3	10.5	0	129.3	816	24
Zinesto	Z1902E ↗	E3	1.9	NA	57.8	11.0	1	131.0	809	25
Stine	17EE32 § ↗	E3	1.7	R	57.7	11.1	3	130.3	808	26
Dairyland	DSR-2030E ↗	E3	2.0	R	57.0	11.0	3	130.0	798	27
Dairyland	DSR-1673E ↗	E3	1.6	R	56.6	10.6	0	129.3	792	28
Latham	L 2049 E3 ↗	E3	2.0	R	56.5	10.6	0	130.0	791	29
Zinesto	Z2002E ↗	E3	2.0	NA	56.4	10.8	0	130.3	790	30

Averages = **56.2** **10.7** **1** **130.2** **789**

LSD (0.10) = 7.7 0.3 ns

LSD (0.25) = 4.0 0.2 ns

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C.V. = 12.9

Historic yield: 62.02 bu/a, 1 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$14.00; non-GMO = \$13.50

Report Date: 10/09/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

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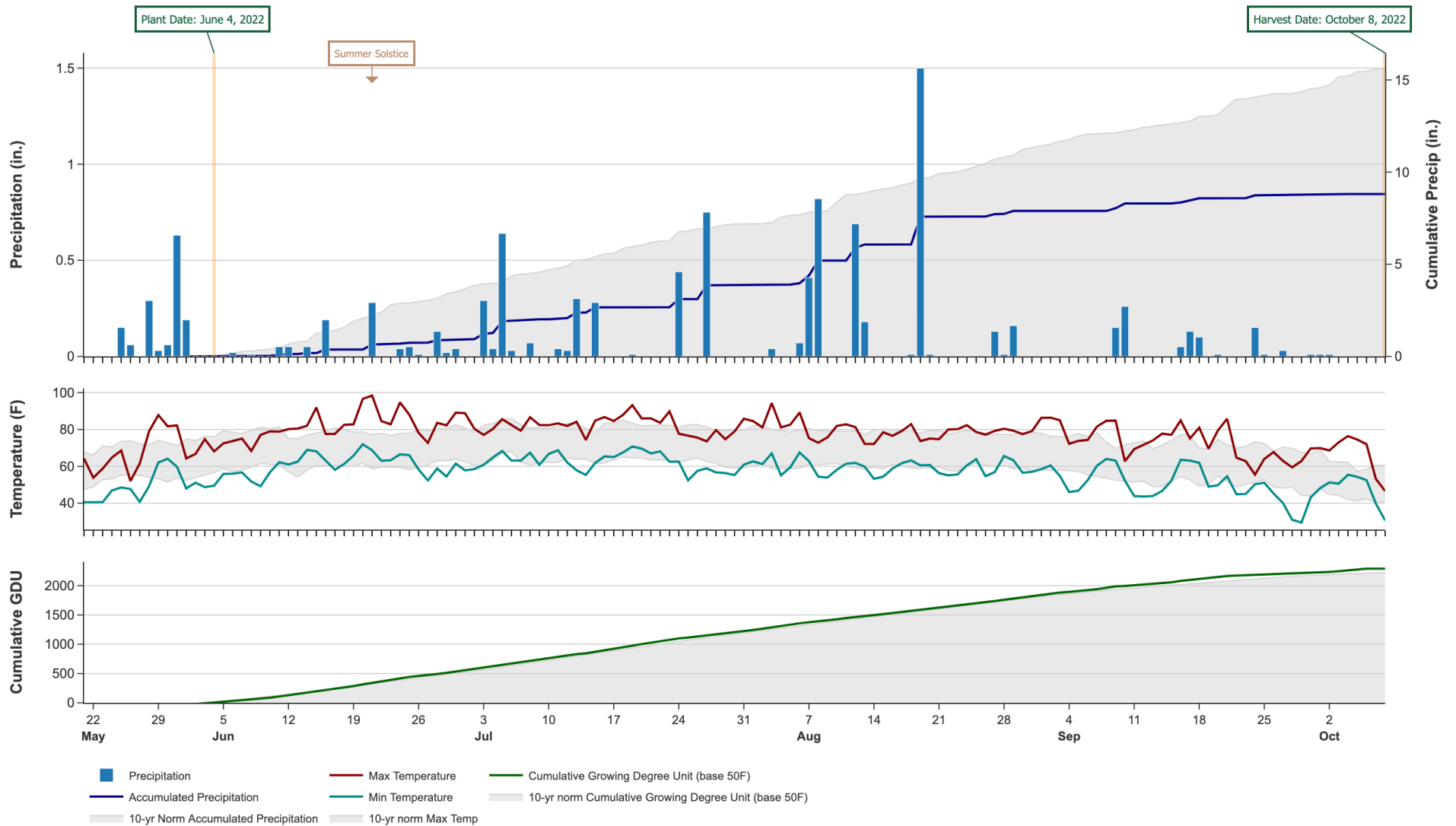
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# 2022 Soybeans - Minnesota Central [ MNCE ]

## Weather Conditions Summary at BUFFALO, MN

Weather Data Retrieved: 10/09/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.2   2.0 (-0.8)	1.1   4.0 (-2.9)	2.9   3.7 (-0.8)	4.0   4.2 (-0.1)	0.9   3.2 (-2.3)	0.0   1.1 (-1.1)	10.2   18.2 (-8.0)
GDU   Normal (Diff)	112   134 (-22)	573   562 (+10)	685   692 (-7)	596   599 (-3)	398   382 (+15)	74   42 (+31)	2438   2413 (+24)



\* 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.

## 2022 Soybeans - Minnesota Central [ MNCE ]

### All-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Dairyland	DSR-1290E	E3,ST	R	1.2	Lum,Lu,IL
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dairyland	DSR-1820E	E3	R	1.8	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dairyland	DSR-2030E	E3	R	2.0	Lum,Lu,IL
Dyna-Gro	S14EN22	E3	R	1.4	EQV,Sa,Va
Dyna-Gro	S14XF43	RXF	MR	1.4	EQV,Sa,Va
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S17XF02	RXF	MR	1.7	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Genesis	G1560E	E3	R	1.5	EcTC,SA
Genesis	G1760E	E3	R	1.7	EcTC,SA
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Gold Country	1841XF	RXF	R	1.8	ACi,IL
Gold Country	1942XF	RXF	R	1.9	ACi,IL
Golden Harvest	GH1323XF §	RXF	R	1.3	CMBV,SA
Golden Harvest	GH1472E3 §	E3	R	1.4	CMBV,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMBV,SA
Golden Harvest	GH2083E3S GC	E3,ST	R	2.0	CMBV,SA
Latham	L 1439 XF	RXF	R	1.4	SS+,SA
Latham	L 1452 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+,SA
Latham	L 1758 E3	E3	R	1.7	SS+,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Loyal	L1540E	E3	R	1.5	NLSB
Loyal	L1730E	E3	NA	1.7	NLSB
Loyal	L1740E	E3	R	1.7	NLSB
Loyal	L1950E	E3	R	1.9	NLSB
Pioneer	P13T47E §	E3	NA	1.3	Lum,Lu,IL
Pioneer	P16T05E §	E3	NA	1.6	Lum,Lu,IL
Pioneer	P20T64E §	E3	R	2.0	Lum,Lu,IL
Stine	14EE02 §	E3	R	1.4	SFI
Stine	15EE32 §	E3	R	1.5	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Stine	17EE32 §	E3	R	1.7	SFI
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,G
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Zinesto	Z1302E	E3	NA	1.3	DST4
Zinesto	Z1411E	E3	R	1.4	DST4
Zinesto	Z1502E	E3	NA	1.5	DST4
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4
Zinesto	Z1802E	E3	NA	1.8	DST4
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2002E	E3	NA	2.0	DST4

## 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®
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
CMBV,SA	Cruisermx® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salto®
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salto, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®

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