

Test by: NewVenture, LLC Ellendale, MN

2022 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 1.3 - 2.0 S2022MNCE04
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Class Act
SOIL DESCRIPTION:	Hokans-Buse Complex loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.3 pH, 3.6% OM, 20.1 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Liberty, Class Act Next Generation, Fusilade Dx, Strikelock, Ams
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	Jun 9 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 130.2 /A

TEST COMMENTS:

The later planting date was due to a very wet spring. Then, a growing season with very little rainfall coupled with a relatively early freeze led to lower yields and elevated variance in this plot. This area has had two years in a row of dry growing seasons. There were varieties that were still green when the frost hit and that made for a very long day of harvesting. The test was in a lower part of this field, and that helped keep the crop going.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	56.9	9.3	5	130.3	825	1
Dairyland	DSR-1820E ↗	E3	1.8	R	55.7	9.6	0	131.0	808	2
Zinesto	Z1902E ↗	E3	1.9	NA	54.3	10.5	4	130.7	787	3
Latham	L 1947 E3 ↗	E3	1.9	R	54.3	11.0	9	130.0	787	4
Xitavo	XO 1761E ↗	E3	1.7	R	51.1	9.5	1	131.5	740	5
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	50.4	9.5	0	130.3	731	6
Genesis	G1970E ↗	E3	1.9	R	50.2	10.7	5	130.3	728	7
Genesis	G1950E ↗	E3	1.9	R	48.9	10.4	0	129.7	709	8
Dyna-Gro	S17XF02 ↗	RXF	1.7	MR	48.1	9.4	0	129.3	697	9
Dairyland	DSR-1505E ↗	E3	1.5	R	47.4	9.3	1	130.3	687	10
Golden Harvest	GH1323XF § ↗	RXF	1.3	R	46.6	9.6	1	129.7	676	11
Latham	L 1758 E3 ↗	E3	1.7	R	46.4	9.9	9	130.7	673	12
Gold Country	1942XF ↗	RXF	1.9	R	45.7	9.8	3	129.0	663	13
Xitavo	XO 1372E ↗	E3,ST	1.3	R	45.7	10.3	2	131.0	663	14
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	45.4	9.2	1	130.3	658	15
Loyal	L1950E ↗	E3	1.9	R	45.3	10.4	2	130.3	657	16
Titan Pro	TP 18E22 ↗	E3	1.8	R	45.1	9.9	3	130.3	654	17
Xitavo	XO 1822E ↗	E3	1.8	R	44.4	10.0	5	130.0	644	18
Xitavo	XO 1971E ↗	E3	1.9	R	44.0	9.8	1	131.0	638	19
Loyal	L1730E ↗	E3	1.7	NA	44.0	9.8	3	129.3	638	20
Zinesto	Z1802E ↗	E3	1.8	NA	43.6	14.8	1	130.7	630	22
Gold Country	1841XF ↗	RXF	1.8	R	43.5	9.7	3	130.7	631	21
Xitavo	XO 1451E ↗	E3	1.4	R	43.1	10.2	1	129.3	625	23
Zinesto	Z1302E ↗	E3	1.3	NA	43.0	10.0	1	128.7	624	24
Stine	17EE32 § ↗	E3	1.7	R	42.8	9.9	0	129.7	621	25
Zinesto	Z1502E ↗	E3	1.5	NA	42.5	9.9	3	129.7	616	26
Latham	L 1439 XF ↗	RXF	1.4	R	42.3	9.6	3	128.3	613	27
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	42.0	9.4	1	131.0	609	28
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	42.0	9.5	3	130.3	609	29
Dairyland	DSR-1919E ↗	E3	1.9	R	41.0	9.6	1	131.3	594	30

Averages = **41.0** **9.9** **3** **130.2** **593**

LSD (0.10) = 8.3 0.8 ns

LSD (0.25) = 4.4 0.4 ns

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C.V. = 19.2

Historic yield: 46.42 bu/a, 7 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$14.50

Report Date: 10/12/2022

† 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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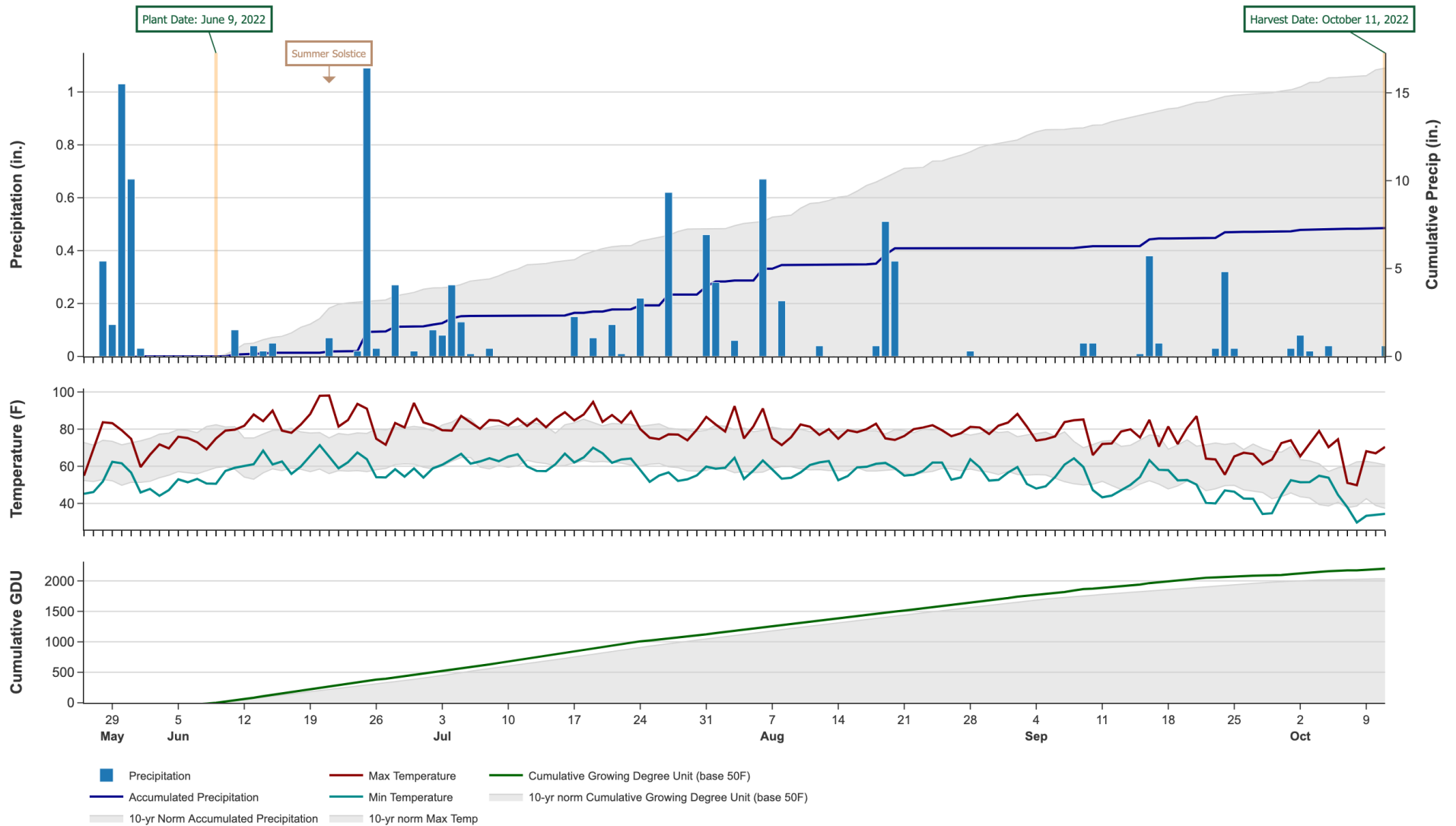
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2022 Soybeans - Minnesota Central [MNCE]

Weather Conditions Summary at STARBUCK, MN

Weather Data Retrieved: 10/12/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.2 0.7 (+1.5)	1.7 4.6 (-2.8)	2.3 3.6 (-1.3)	2.2 4.9 (-2.7)	0.9 3.0 (-2.1)	0.2 1.3 (-1.1)	9.5 18.0 (-8.5)
GDU Normal (Diff)	89 73 (+15)	552 537 (+14)	668 661 (+6)	575 572 (+2)	399 368 (+30)	103 47 (+55)	2386 2260 (+125)



* 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.

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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

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®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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®

* Seed treatments may include unspecified plant health promoting components.