

Test by: NewVenture, LLC Ellendale, MN

2022 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] CANBY, MN
Austen Citrowski, Yellow Medicine County, MN

All-Season Test	Maturity Group 1.3 - 2.0 S2022MNCE03
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Seaforth Loam loam, mod. well drained, non-irrigated
SOIL CONDITION:	low P, medium K, 7.1 pH, 3.5% OM, 17.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Generic Valor, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 8 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 129.8 /A

TEST COMMENTS:

A wet spring led to a later plant date, and after that, the rains slowed down for the growing season. Austen noted that the yields across the various farms varied a lot, it just depended on how much rain each site received. The planting conditions were near perfect and the weed control was excellent. The site had very small rainfalls recorded and was 9 inches under the 10 year average precipitation. Overall, this was a good plot considering the weather for this year. Due to drought stress and high yield variability, the results were rejected.

Company/Brand	Product/Brand	Yield †	Mo	Shr	Yield Bu/a	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/acre	Rank
Golden Harvest	G1979030 g +	53.57	1.9	R	55.3	8.0	0	129.0	601	1
Latham	L 1947 E3 +	53	1.9	R	55.5	8.1	0	129.0	749	2
Genesee	G17902 +	53	1.9	R	55.2	8.1	0	129.3	745	3
Latham	L 1754 M7 +	54P	1.7	R	54.7	8.0	0	129.0	737	4
Steele	178232 g +	53	1.7	R	53.7	8.0	0	129.0	726	5
Zeebco	Z19022 +	53	1.9	NA	54.5	8.0	0	129.7	724	6
Loyal	L17402 +	53	1.7	R	53.1	8.0	0	129.0	721	7
Zeebco	Z19022 +	53	1.9	NA	54.1	8.0	0	129.0	717	8
Gold Country	194207 +	54P	1.7	R	53.1	8.0	0	129.7	717	9
True Pro	TP 20822 +	53	1.7	R	52.4	8.0	0	129.7	707	10
Latham	L 2049 E3 +	53	1.9	R	52.5	8.0	0	129.3	707	11
Genesee	G17902 +	53	1.9	R	52.5	8.0	0	129.7	707	12
Loyal	L17402 +	53	1.9	R	52.1	8.1	0	129.0	702	13
Phonix	P19702 g +	53	1.9	NA	52.1	8.0	0	129.0	701	14
Steele	80 13732 +	53.57	1.9	R	51.8	8.0	0	127.3	697	15
Dorland	D09 14202 +	53	1.9	R	51.2	8.0	0	129.3	691	16
Loyal	L17702 +	53	1.7	NA	50.8	8.0	0	129.3	686	17
Latham	L 1059 E3 +	53	1.9	R	50.3	8.0	0	129.0	679	18
Dynalco	D149242 +	53	1.9	R	50.2	8.0	0	129.7	679	19
Dynalco	D149242 +	53	1.9	R	49.9	7.9	0	129.0	674	20
Steele	149242 +	53	1.9	R	49.8	8.0	1	129.3	672	21
Zeebco	Z19022 +	53	1.9	R	49.8	8.0	0	129.3	670	22
Argus	A21902 +	54P	1.9	R	49.4	8.0	0	129.3	667	23
Dorland	D09 20302 +	53	2.0	R	49.2	8.1	1	129.0	664	24
Golden Harvest	G1979030 GC +	53.57	2.0	R	49.2	8.0	0	129.3	664	25
Steele	80 13712 +	53	1.9	R	49.8	7.9	0	129.3	658	26
Dorland	D09 14002 +	53.57	1.9	R	49.1	8.0	0	129.0	649	27
Dorland	D09 14102 +	53	1.9	R	49.1	8.0	0	129.3	649	28
Genesee	G17902 +	53	1.7	R	49.1	8.1	0	129.3	649	29
Golden Harvest	G1979030 g +	53	1.9	R	47.1	8.0	0	129.3	638	30

REJECTED

Averages = **46.8** **8.0** **0** **129.8** **632**

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 17.7

Historic yield: 54.32 bu/a, 1 yr(s)

Ed Dahle

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.5

Drying = \$0.03

Prices: GMO = \$13.50

Report Date: 10/17/2022

† 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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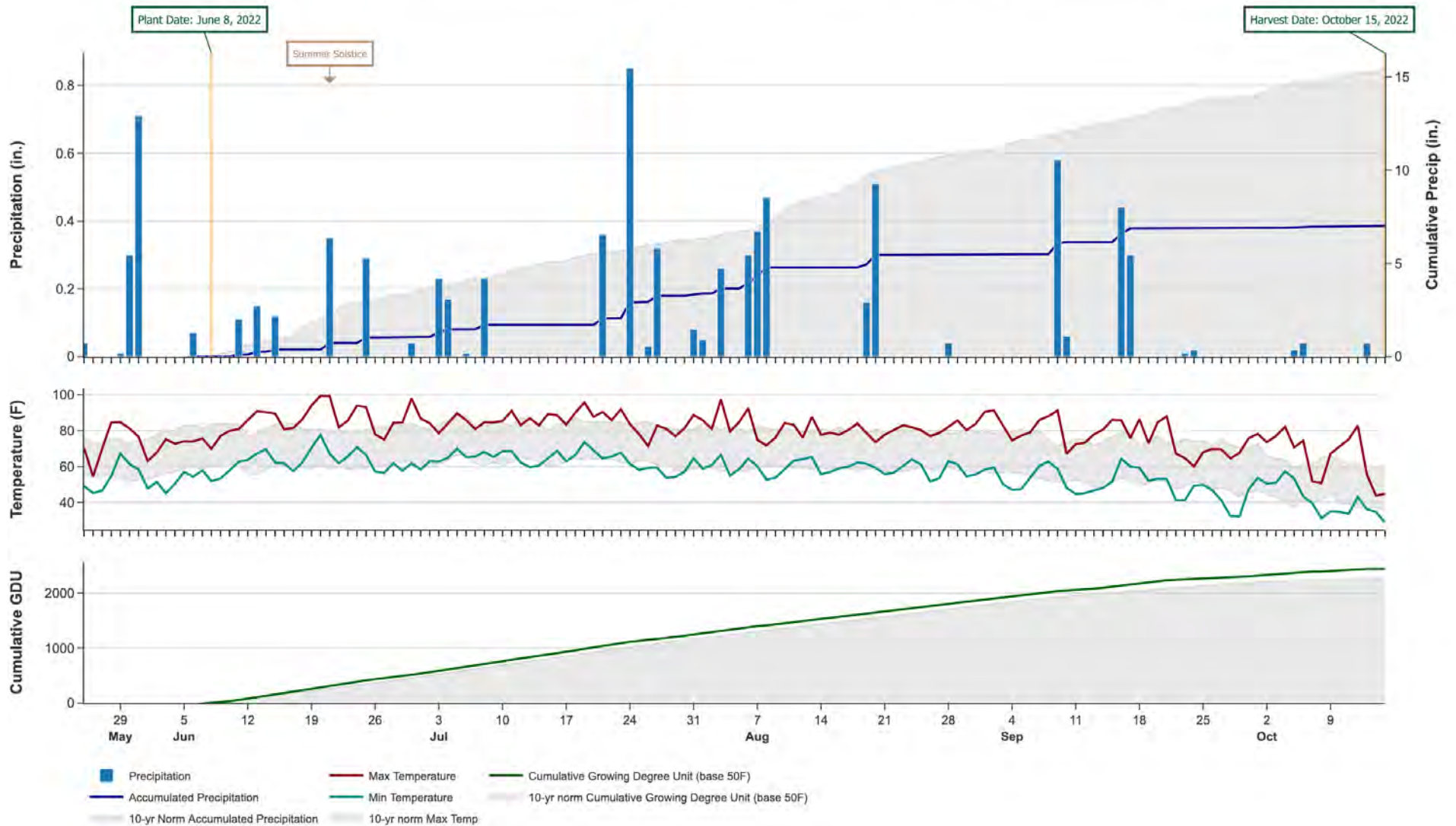
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2022 Soybeans - Minnesota Central [MNCE]

Weather Conditions Summary at CANBY, MN

Weather Data Retrieved: 10/17/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.1 0.9 (+0.1)	1.1 4.2 (-3.1)	2.3 2.9 (-0.6)	2.2 4.8 (-2.6)	1.4 2.9 (-1.5)	0.1 1.5 (-1.4)	8.1 17.3 (-9.2)
GDU Normal (Diff)	105 98 (+6)	612 608 (+3)	732 711 (+20)	616 607 (+8)	442 412 (+29)	134 72 (+61)	2641 2511 (+129)



* 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.