

Test by: NewVenture, LLC Ellendale, MN

2022 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ALBANY, MN
Mitch Oveman, Stearns County, MN 56381

Early-Season Test	Maturity Group 0.6 - 0.9 S2022MNNC02a
Top 30 of 34	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Class Act, Cornerstone, Enlist
SOIL DESCRIPTION:	Waukon Loam loam, well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 7.8 pH, 2.7% OM, 16.3 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Roundup, Class Act, Liberty, Dry Ams
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 3 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 29 128.7 /A

TEST COMMENTS:

The cool and wet spring led to the later planting date. The harvest was delayed here due to some green stems. We then switched to corn, so we want to thank Mitch for his patience. The plants were standing well and the stems were very dry and which made for an easy day in the combine. This site needed more rain to hit top-end yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-0920E ↗	E3	0.9	R	52.6	13.0	0	127.0	710	1
Gold Country	0842XF ↗	RXF	0.8	R	52.5	13.1	0	128.0	709	2
Zinesto	Z0903E ↗	E3	0.9	R	49.1	13.1	2	128.5	661	3
Golden Harvest	GH0653XF § ↗	RXF	0.6	R	48.6	12.8	0	129.0	656	4
Dyna-Gro	S07EN61 ↗	E3	0.7	R	48.0	13.4	1	128.7	647	5
Golden Harvest	GH0933E3 § ↗	E3	0.9	R	47.4	13.5	0	128.0	639	6
Zinesto	Z0601E ↗	E3	0.6	R	47.0	13.9	0	129.0	633	7
Dairyland	DSR-0847E ↗	E3	0.8	S	45.9	12.8	0	129.5	620	8
Stine	09EA02 § ↗	E3	0.9	R	44.9	12.8	0	128.7	606	9
Xitavo	XO 0731E ↗	E3	0.7	R	44.8	13.2	0	127.0	605	10
Thunder	TX8309N ↗	RXF	0.9	R	44.3	13.1	1	127.7	598	11
Stine	08EC32 § ↗	E3	0.8	R	43.3	13.0	0	128.0	585	12
Latham	L 0959 E3 ↗	E3	0.9	R	43.2	13.6	0	128.7	582	13
Thunder	TX8307N ↗	RXF	0.7	R	42.5	12.9	0	128.7	574	14
Pioneer	P09T68E § ↗	E3	0.9	NA	42.2	13.1	0	128.7	570	15
Zinesto	Z0602E ↗	E3	0.6	NA	40.5	13.6	0	128.7	546	17
Thunder	TE7309N ↗	E3	0.9	R	40.3	13.3	0	128.3	544	18
Thunder	TE7207 ↗	E3	0.7	S	40.2	13.8	4	130.3	542	20
Hefty	H07XF3 ↗	RXF	0.7	R	40.2	12.9	0	129.3	543	19
Xitavo	XO 0993E ↗	E3	0.9	R	40.0	13.7	0	129.3	539	22
Hefty	H08XF2 ↗	RXF	0.8	NA	40.0	13.2	0	129.3	540	21
Golden Harvest	GH0983XF § ↗	RXF	0.9	R	38.7	13.1	0	130.3	522	23
Latham	L 0945 LLGT27 ↗	LLGT27	0.9	R	38.6	13.5	0	130.3	520	24
Hefty	H05XF3 ↗	RXF	0.5	R	38.5	13.7	0	129.3	519	25
Xitavo	XO 0602E ↗	E3	0.6	R	36.4	13.1	0	128.0	491	26
Latham	L 0694 XF ↗	RXF	0.6	R	36.2	13.2	0	129.3	489	27
Zinesto	Z0702E ↗	E3	0.7	NA	35.6	13.3	0	128.0	480	28
Hefty	H09XF3 ↗	RXF	0.9	R	35.5	12.8	0	129.0	479	29
Dyna-Gro	S09EN53 ↗	E3	0.9	R	34.2	13.4	0	127.0	460	30
Dairyland	DSR-0757E ↗	E3	0.7	S	33.1	13.0	0	128.7	447	31
NK BRAND	NK13-Y4XF CK	RXF	1.3	R	40.7	13.1	0	129.3	549	16

Averages = **40.7** **13.2** **0** **128.7** **553**

LSD (0.10) = 6.8 0.2 1

LSD (0.25) = 3.5 0.1 1

Ed Dahle

ed.dahle@firstseedtests.com, (507) 456-6624

C.V. = 15.7

Historic yield: 52.19 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$13.50

Report Date: 10/31/2022

† 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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PEST MANAGEMENT:	Roundup, Class Act, Liberty, Dry Ams
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 3 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 29 129.0 /A

TEST COMMENTS:

The cool and wet spring led to the later planting date. The harvest was delayed here due to some green stems. We then switched to corn, so we want to thank Mitch for his patience. The plants were standing well and the stems were very dry and which made for an easy day in the combine. This site needed more rain to hit top-end yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 1439 XF ↗	RXF	1.4	R	51.7	13.0	0	129.7	698	1
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	51.0	13.6	0	131.0	688	2
Thunder	TX8215N ↗	RXF	1.5	R	50.7	13.0	0	128.7	684	3
Hefty	H13XF3 ↗	RXF	1.3	R	50.6	12.8	0	131.0	683	4
Thunder	TX8313N ↗	RXF	1.3	R	49.1	13.0	0	129.0	663	5
Hefty	H14XF3 ↗	RXF	1.4	R	47.4	13.3	0	128.3	639	6
Dyna-Gro	S14EN22 ↗	E3	1.4	R	46.3	13.4	0	130.0	624	7
Latham	L 1392 E3 ↗	E3	1.3	R	46.2	13.0	0	129.7	624	8
Dyna-Gro	S12EN72 ↗	E3	1.2	R	46.0	13.2	0	128.3	621	9
Stine	14EE02 § ↗	E3	1.4	R	45.1	13.3	0	129.0	608	10
Thunder	TX8211N ↗	RXF	1.1	R	44.4	13.2	0	128.7	599	11
Zinesto	Z1202E ↗	E3	1.2	NA	44.1	13.2	0	130.3	595	12
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	44.1	12.9	0	129.3	595	13
Dairyland	DSR-1505E ↗	E3	1.5	R	43.2	13.0	0	129.0	583	14
Pioneer	P12T94E § ↗	E3	1.2	NA	43.2	12.9	0	129.3	583	15
Zinesto	Z1003E ↗	E3	1.0	R	42.4	13.1	0	128.7	572	17
Asgrow	AG13XF3 § ↗	RXF	1.3	R	42.4	12.9	0	128.0	572	18
Thunder	TX8312N ↗	RXF	1.2	R	40.8	13.4	0	128.7	550	19
Zinesto	Z1101E ↗	E3	1.1	R	40.3	13.2	0	129.7	544	20
Asgrow	AG11XF2 § ↗	RXF	1.1	R	40.0	12.6	0	128.7	540	21
Zinesto	Z1502E ↗	E3	1.5	NA	39.6	13.0	0	128.3	535	22
Xitavo	XO 1041E ↗	E3	1.0	R	39.4	13.2	0	128.0	532	23
Asgrow	AG15XF2 § ↗	RXF	1.5	R	39.1	13.3	0	129.3	528	24
Latham	L 1558 E3 ↗	E3	1.5	R	39.0	13.2	0	129.7	526	25
Gold Country	1041XF ↗	RXF	1.0	R	38.2	12.9	0	128.7	516	26
Pioneer	P10T57E § ↗	E3	1.0	NA	38.1	13.3	0	128.7	514	27
Hefty	H10XF1 ↗	RXF	1.0	NA	37.6	13.1	0	128.3	508	28
Xitavo	XO 1212E ↗	E3	1.2	R	36.2	13.1	0	128.3	489	29
Dairyland	DSR-1121E ↗	E3	1.1	R	34.7	13.2	0	127.7	468	30
Pioneer	P13T47E § ↗	E3	1.3	NA	34.7	13.2	0	127.5	467	31
NK BRAND	NK13-Y4XF CK	RXF	1.3	R	42.6	13.1	0	128.7	575	16

Averages = **41.5** **13.1** **0** **129.0** **557**

LSD (0.10) = 7.5 ns ns

LSD (0.25) = 3.9 ns ns

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C.V. = 17.0

Historic yield: 52.19 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$13.50

Report Date: 10/31/2022

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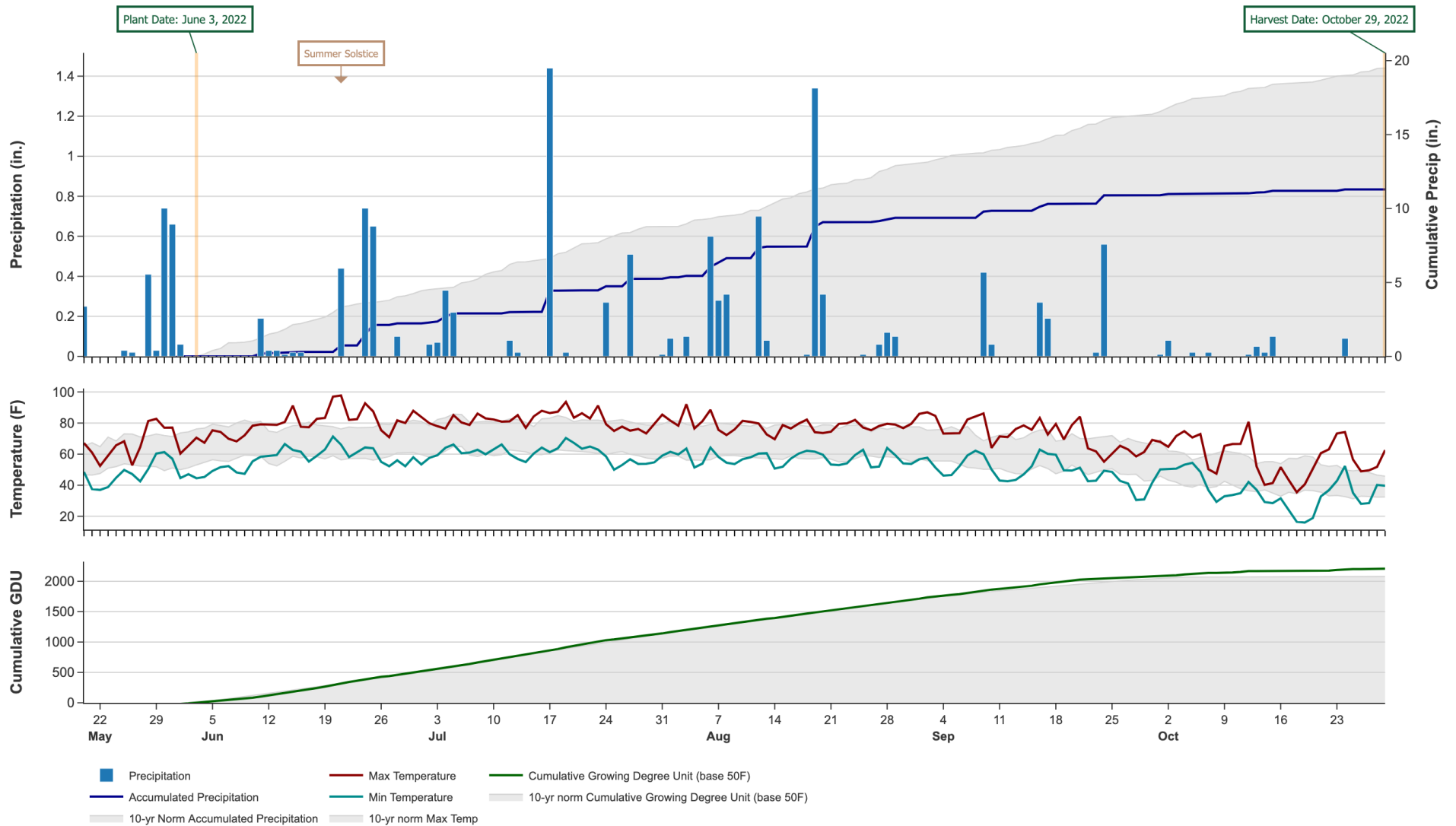
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2022 Soybeans - Minnesota North Central [MNNC]

Weather Conditions Summary at ALBANY, MN

Weather Data Retrieved: 10/31/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.1 1.8 (+0.4)	2.3 4.7 (-2.4)	3.0 4.5 (-1.5)	4.1 4.2 (-0.1)	1.5 3.3 (-1.8)	0.4 3.1 (-2.7)	13.5 21.6 (-8.2)
GDU Normal (Diff)	108 129 (-21)	520 523 (-3)	645 650 (-5)	550 554 (-4)	379 352 (+26)	136 38 (+97)	2338 2250 (+87)



* 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 North Central [MNNC]

Early-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dyna-Gro	S07EN61	E3	R	0.7	EQV,Sa,Va
Dyna-Gro	S09EN53	E3	R	0.9	EQV,Sa,Va
Gold Country	0842XF	RXF	R	0.8	ACi,IL
Golden Harvest	GH0653XF §	RXF	R	0.6	CMBV,SA
Golden Harvest	GH0693E3 §	E3	R	0.6	CMBV,SA
Golden Harvest	GH0933E3 §	E3	R	0.9	CMBV,SA
Golden Harvest	GH0983XF §	RXF	R	0.9	CMBV,SA
Hefty	H05XF3	RXF	R	0.5	DST4
Hefty	H07XF3	RXF	R	0.7	DST4
Hefty	H08XF2	RXF	NA	0.8	DST4
Hefty	H09XF3	RXF	R	0.9	DST4
Latham	L 0694 XF	RXF	R	0.6	SS+,SA
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0945 LLGT27	LLGT27	R	0.9	SS+,SA
Latham	L 0959 E3	E3	R	0.9	SS+,SA
NK Brand	NK13-Y4XF CK	RXF	R	1.3	CMBV,SA
Pioneer	P09T68E §	E3	NA	0.9	Lum,Lu,IL
Stine	08EC32 §	E3	R	0.8	SFI
Stine	09EA02 §	E3	R	0.9	SFI
Thunder	TE7207	E3	S	0.7	TFI
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TX8307N	RXF	R	0.7	TFI
Thunder	TX8309N	RXF	R	0.9	TFI
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB,Rey
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB,Rey
Xitavo	XO 0993E	E3	R	0.9	PV,IL,OB,Rey
Zinesto	Z0601E	E3	R	0.6	DST4
Zinesto	Z0602E	E3	NA	0.6	DST4
Zinesto	Z0702E	E3	NA	0.7	DST4
Zinesto	Z0903E	E3	R	0.9	DST4

2022 Soybeans - Minnesota North Central [MNNC]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG11XF2 §	RXF	R	1.1	ACi,IL
Asgrow	AG13XF3 §	RXF	R	1.3	ACi
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Dairyland	DSR-1121E	E3	R	1.1	Lum,Lu,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
Dyna-Gro	S12EN72	E3	R	1.2	EQV,Sa,Va
Dyna-Gro	S14EN22	E3	R	1.4	EQV,Sa,Va
Gold Country	1041XF	RXF	R	1.0	ACi,IL
Hefty	H10XF1	RXF	NA	1.0	DST4
Hefty	H13XF3	RXF	R	1.3	DST4
Hefty	H14XF3	RXF	R	1.4	DST4
Hefty	H15XF2	RXF	NA	1.5	DST4
Latham	L 1392 E3	E3	R	1.3	SS+,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
NK Brand	NK13-Y4XF CK	RXF	R	1.3	CMBV,SA
Pioneer	P10T57E §	E3	NA	1.0	Lum,Lu,IL
Pioneer	P12T94E §	E3	NA	1.2	Lum,Lu,IL
Pioneer	P13T47E §	E3	NA	1.3	Lum,Lu,IL
Stine	14EE02 §	E3	R	1.4	SFI
Stine	15EE32 §	E3	R	1.5	SFI
Thunder	TX8211N	RXF	R	1.1	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8312N	RXF	R	1.2	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB,Rey
Xitavo	XO 1133E	E3	R	1.1	PV,IL,OB,Rey
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB,Rey
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Zinesto	Z1003E	E3	R	1.0	DST4
Zinesto	Z1101E	E3	R	1.1	DST4
Zinesto	Z1202E	E3	NA	1.2	DST4
Zinesto	Z1502E	E3	NA	1.5	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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
EQV,Sa,Va	Equity VIP, Salstro®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
TFI	ThunderStruck F&I (Thunder Seed Inc.)

* Seed treatments may include unspecified plant health promoting components.