

Test by: MNS Seed Testing, LLC New Richland, MN

2022 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

All-Season Test	Maturity Group 1.0 - 1.7 S2022SDNE10
Top 30 of 75	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Pre-Na, Enlist Duo, Mobilize
SOIL DESCRIPTION:	Poinsett-Waubay silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, high K, 7.3 pH, 4.4% OM, 21.9 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Authority First, Glory Df, Interline, Anthem Maxx ,Mobilize, Dry Ams
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 24 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 16 115.5 /A

TEST COMMENTS:

Really nice plot here this year. The beans were some of the tallest we've seen, with most over 36 inches tall. During harvest, there were cloudy conditions and enough moisture to keep pods from popping open. Good weed control all year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	67.8	8.1	1	117.3	881	1
Latham	L 1439 XF ↗	RXF	1.4	R	67.6	8.3	1	115.7	879	2
Latham	L 1758 E3 ↗	E3	1.7	R	67.5	8.1	1	117.7	878	3
Proseed	XF31-32N ↗	RXF	1.3	R	67.0	8.4	1	117.3	871	4
Xitavo	XO 1372E ↗	E3,ST	1.3	R	66.1	8.1	1	114.3	859	5
Zinesto	Z1101E ↗	E3	1.1	R	65.8	8.1	1	116.0	855	6
Zinesto	Z1502E ↗	E3	1.5	NA	65.3	8.1	1	117.7	849	7
Dairyland	DSR-1505E ↗	E3	1.5	R	64.8	8.0	1	117.0	842	8
Dak-Sota	DE5215 ↗	E3	1.5	R	64.7	8.2	1	114.0	841	9
Genesis	G1560E ↗	E3	1.5	R	64.3	8.0	1	113.3	836	10
Hefty	H14XF1 ↗	RXF	1.4	NA	64.0	8.1	1	114.7	832	11
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	63.9	8.2	2	118.3	831	12
Dyna-Gro	S14EN22 ↗	E3	1.4	R	63.9	8.2	1	116.7	831	13
Zinesto	Z1603E ↗	E3	1.6	R	63.9	8.2	1	116.3	831	14
Dyna-Gro	S16EN42 ↗	E3	1.6	R	63.7	8.0	1	110.7	828	15
Latham	L 1558 E3 ↗	E3	1.5	R	63.2	8.2	1	115.5	822	16
Stine	15EE32 § ↗	E3	1.5	R	63.2	8.3	1	116.3	822	17
Xitavo	XO 1632E ↗	E3	1.6	R	62.4	8.1	1	116.0	811	18
Proseed	EL31-13N ↗	E3	1.1	R	62.4	8.1	1	115.3	811	19
Dairyland	DSR-1121E ↗	E3	1.1	R	62.4	8.0	1	117.3	811	20
Zinesto	Z1001E ↗	E3	1.0	R	62.3	8.1	1	118.0	810	21
Zinesto	Z1302E ↗	E3	1.3	NA	61.7	8.2	1	113.0	802	22
Hefty	H13XF3 ↗	RXF	1.3	R	61.7	8.1	1	116.0	802	23
Thunder	TX8215N ↗	RXF	1.5	R	61.7	8.2	1	113.3	802	24
Pioneer	P13T47E § ↗	E3	1.3	NA	61.5	8.0	2	113.7	800	25
Proseed	EL21-23N ↗	E3	1.2	R	61.4	8.1	1	115.7	798	26
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	61.1	8.2	1	115.0	794	27
Golden Harvest	GH1303XF ↗	RXF	1.3	R	61.1	7.9	1	117.0	794	28
Asgrow	AG16XF3 § ↗	RXF	1.6	R	60.8	8.1	1	117.7	790	29
Xitavo	XO 1133E ↗	E3	1.1	R	60.7	8.0	1	117.3	789	30

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **60.2** **8.1** **1** **115.5** **782**

LSD (0.10) = 4.4 0.1 ns

LSD (0.25) = 2.3 0.1 ns

C.V. = 7.0

Historic yield: 49.25 bu/a, 8 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 10/18/2022

† 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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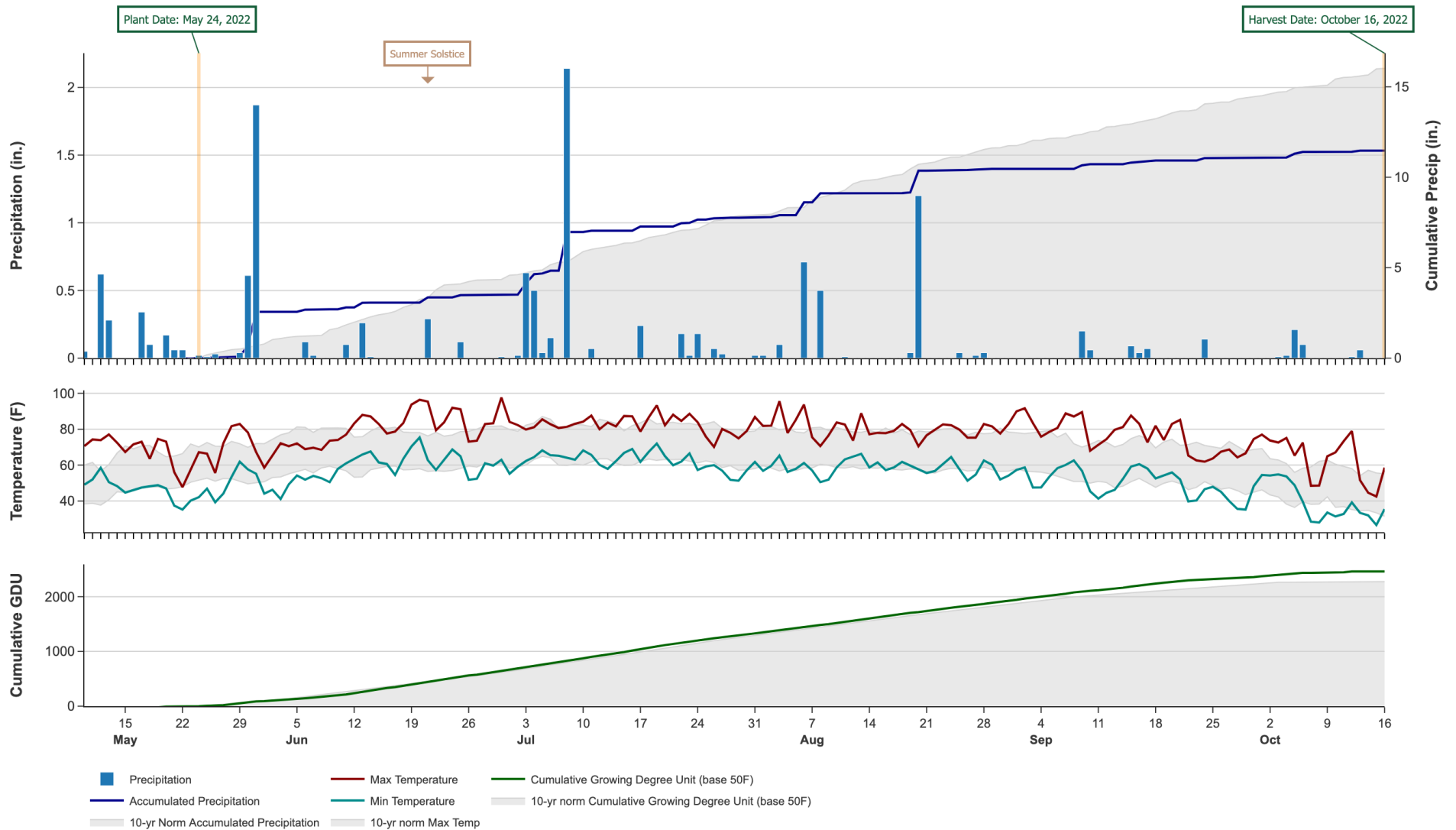
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2022 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at WATERTOWN, SD

Weather Data Retrieved: 10/18/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	4.3 2.2 (+2.0)	0.9 3.7 (-2.7)	4.3 3.6 (+0.7)	2.7 3.8 (-1.1)	0.6 2.7 (-2.1)	0.4 1.6 (-1.2)	13.2 17.6 (-4.4)
GDU Normal (Diff)	223 194 (+28)	555 538 (+16)	686 672 (+13)	592 576 (+15)	436 371 (+64)	103 35 (+67)	2595 2388 (+206)



* 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 - South Dakota Northeast [SDNE]

All-Season Test Products (75 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG12XF1 §	RXF	S	1.2	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Asgrow	AG16XF3 §	RXF	R	1.6	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
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dak-Sota	DE5212	E3	R	1.2	TFI
Dak-Sota	DE5215	E3	R	1.5	TFI
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
Genesis	G1070E	E3	R	1.0	EcTC,SA
Genesis	G1260E	E3	R	1.2	EcTC,SA
Genesis	G1560E	E3	R	1.5	EcTC,SA
Golden Harvest	GH1303XF	RXF	R	1.3	CMBV,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMBV,SA
Golden Harvest	GH1442XF	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3	E3	R	1.4	CMBV,SA
Hefty	H10XF1	RXF	NA	1.0	DST4
Hefty	H11XF2	RXF	NA	1.1	DST4
Hefty	H12XF2	RXF	NA	1.2	DST4
Hefty	H13XF3	RXF	R	1.3	DST4
Hefty	H14XF1	RXF	NA	1.4	DST4
Hefty	H14XF3	RXF	R	1.4	DST4
Hefty	H15XF2	RXF	NA	1.5	DST4
Hefty	H17XF1	RXF	NA	1.7	DST4
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
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
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
NK Brand	NK10-W8XF §	RXF	R	1.0	CMBV,SA
NK Brand	NK13-Y4XF	RXF	R	1.3	CMBV,SA
NK Brand	NK14-C7XF	RXF	R	1.4	CMBV,SA
NK Brand	NK14-W6E3 §	E3	MR	1.4	CMBV,SA
Pioneer	P10T57E §	E3	NA	1.0	Lum,Lu,IL
Pioneer	P13T47E §	E3	NA	1.3	Lum,Lu,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Proseed	EL21-23N	E3	R	1.2	CMBV
Proseed	EL31-13N	E3	R	1.1	CMBV
Proseed	EL31-43N	E3	R	1.4	CMBV
Proseed	EL91-33N	E3	R	1.3	CMBV
Proseed	XF31-32N	RXF	R	1.3	CMBV
Proseed	XF31-62N	RXF	R	1.6	CMBV
REA	R1042XF	RXF	NA	1.0	ACi,IL
REA	R1133XF	RXF	R	1.1	ACi,IL
REA	R1350XF	RXF	NA	1.3	ACi,IL
REA	R1633XF	RXF	R	1.6	ACi,IL
REA	R1733XF	RXF	R	1.7	ACi,IL
Stine	10EF23 §	E3	R	1.0	SFI
Stine	15EE32 §	E3	R	1.5	SFI
Stine	17EE32 §	E3	R	1.7	SFI
Thunder	TE7011N	E3	R	1.1	TFI
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
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
Zinesto	Z1001E	E3	R	1.0	DST4
Zinesto	Z1003E	E3	R	1.0	DST4
Zinesto	Z1101E	E3	R	1.1	DST4
Zinesto	Z1202E	E3	NA	1.2	DST4
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

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	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4	Dominance 4 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
TFI	ThunderStruck F&I (Thunder Seed Inc.)

* Seed treatments may include unspecified plant health promoting components.