

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

2022 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] DELL RAPIDS, SD
Levi Brown, Minnehaha County, SD 57022

All-Season Test	Maturity Group 1.6 - 2.3 S2022SDEC08
Top 30 of 78	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Stinger, Tripleflex, Callisto
SOIL DESCRIPTION:	Moody-Trent silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.9 pH, 4.1% OM, 23.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Flexstar, Round-Up, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 26 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 106.3 /A

TEST COMMENTS:

A heavy rain event washed out some soil, which affected the final stand of the beans and caused more weed emergence. Volunteer corn was present at harvest but most contained no ears. Sample moistures were not affected. There were fairly good yields despite a mostly dry year. The data were rejected due to high variability from the erosion damage.

Company/Brand	Product/Brand	Yield [†]	GR	GCN Result	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 2283 HP +	NSP	2.2	R	75.8	8.8	2	107.7	822	1
Stiva	178332 g +	NS	1.7	R	87.4	8.2	1	108.3	876	2
Dynalco	818492 +	NSP	1.8	R	87.4	8.0	1	107.3	876	3
Pharos	PH4838 g +	NS	2.1	NA	87.3	7.8	1	110.0	876	4
Argos	AG18873 g +	NSP	1.9	R	87.0	8.3	1	107.3	871	5
Golden Harvest	GH22823 g +	NS	2.2	NA	87.0	8.2	1	108.3	861	6
Thunder	188228 +	NSP	2.0	R	87.0	7.4	1	107.7	859	7
NS Brand	NS19-18828 g +	NSP	1.8	R	87.1	7.7	1	107.3	859	8
NSA	818428P +	NSP	1.8	R	86.8	8.0	1	108.3	859	9
Stiva	NS 18288 +	NS	1.8	R	86.7	8.0	1	108.3	854	10
Zeevis	Z21818 +	NSP	2.1	R	86.7	8.1	1	108.3	853	11
Stiva	NS 22828 +	NS	1.2	R	86.7	8.7	1	108.3	848	12
Daryland	DSR-21882 +	NS	2.1	R	86.3	8.5	1	108.3	844	13
Holly	NS18872 +	NSP	2.1	NA	86.3	7.9	1	108.3	841	14
NSA	822818P +	NSP	1.8	R	86.3	8.7	4	108.7	832	15
NS Brand	NS20-88228 +	NSP	1.7	R	86.3	7.8	1	111.3	832	16
Genes	NS2188 +	NS	1.8	R	85.8	8.5	8	108.3	829	17
Golden Harvest	GH21828P g +	NSP	1.8	NA	85.8	8.7	1	107.3	829	18
Dak State	DS2182 +	NS	2.2	R	85.7	8.1	1	112.7	828	19
Zeevis	Z21828 +	NS	2.3	R	85.7	8.7	1	108.7	828	20
NSA	811828P +	NSP	1.8	NA	85.5	7.8	2	107.3	828	21
NS Brand	NS19-18828 +	NSP	1.8	R	85.4	7.8	1	108.3	824	22
Daryland	DSR-21882 +	NS	2.0	R	85.3	8.1	1	108.7	823	23
Dak State	DS2182 +	NS	1.8	R	85.3	7.4	1	102.7	823	24
Loyal	L17882 +	NS	1.7	R	85.2	8.3	1	107.3	822	25
Latham	L 1784 HP +	NSP	1.7	R	85.1	7.8	1	108.7	820	26
NSA	818228P +	NSP	1.8	R	85.0	7.8	1	102.7	818	27
Loyal	L22882 +	NS	2.2	R	85.4	8.8	1	108.3	811	28
Golden Harvest	GH18828P +	NSP	1.8	R	85.1	7.7	1	107.3	807	29
Stiva	NS 22188 +	NS	2.3	R	85.1	8.2	1	108.3	807	30



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Averages =	60.4	8.4	1	106.3	785
LSD (0.10) =	ns	0.8	ns		
LSD (0.25) =	ns	0.4	ns		

C.V. = 11.6

Historic yield: 65.98 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.04 Prices: GMO = \$13.00

Report Date: 10/14/2022

† 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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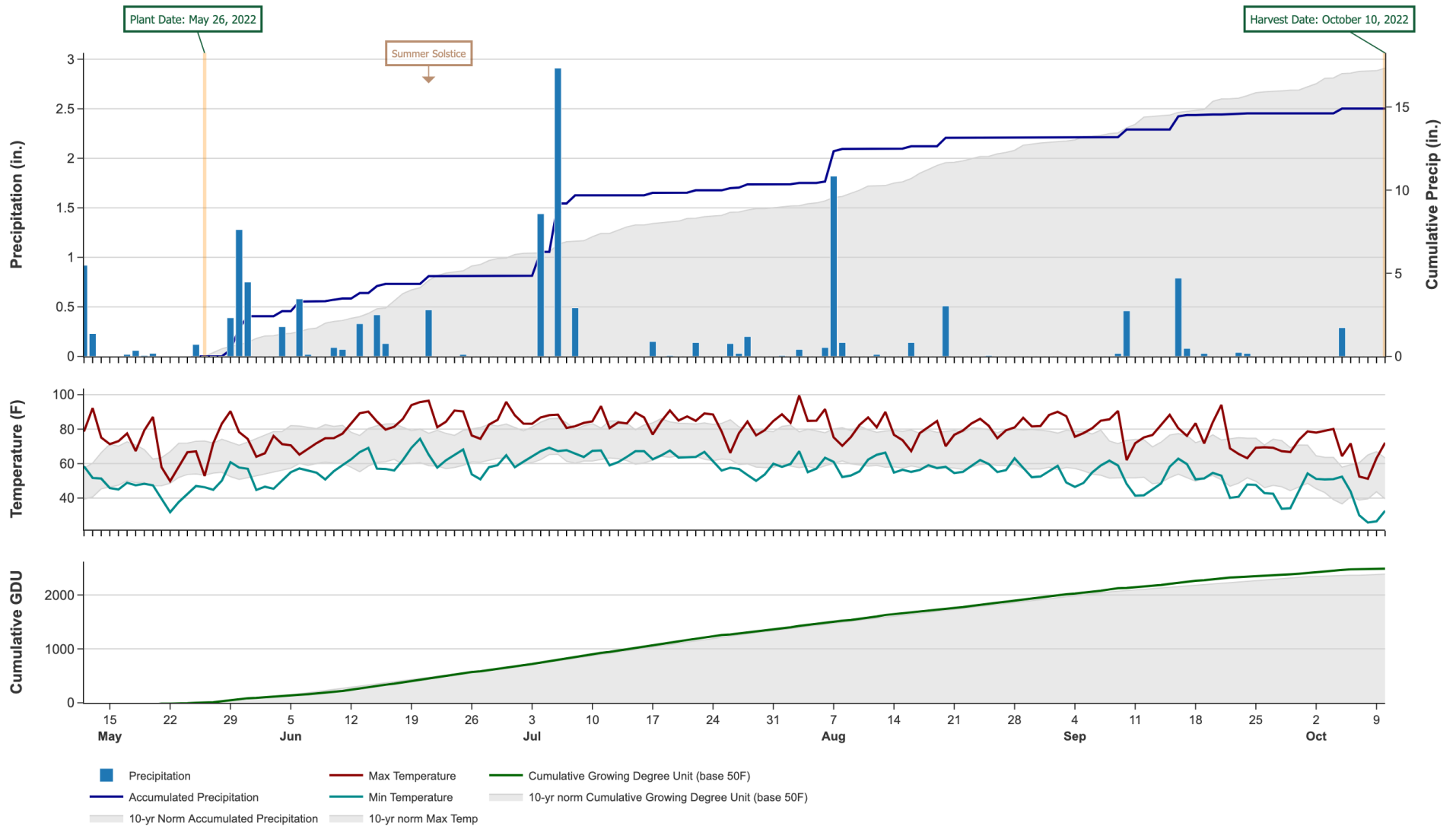
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2022 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at DELL RAPIDS, SD

Weather Data Retrieved: 10/14/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.8 2.6 (+1.2)	2.4 5.1 (-2.6)	5.5 3.0 (+2.5)	2.8 3.9 (-1.1)	1.5 3.2 (-1.7)	0.3 1.3 (-1.0)	16.3 19.1 (-2.8)
GDU Normal (Diff)	229 200 (+28)	567 587 (-20)	704 685 (+18)	596 587 (+8)	443 403 (+39)	92 58 (+33)	2631 2524 (+106)



* 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 (78 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,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
Dairyland	DSR-2040E	E3	R	2.0	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dak-Sota	DE5319	E3	R	1.9	TFI
Dak-Sota	DE5322	E3	R	2.2	TFI
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S23ES32	E3,ST	R	2.3	EQV,Sa,Va
Genesis	G1760E	E3	R	1.7	EcTC,SA
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Golden Harvest	GH1802E3	E3	R	1.8	CMBV,SA
Golden Harvest	GH1993XF	RXF	R	1.9	CMBV,SA
Golden Harvest	GH2102XF §	RXF	MR	2.1	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Hefty	H17XF1	RXF	NA	1.7	DST4
Hefty	H18E3	E3	R	1.8	DST4
Hefty	H18XF2	RXF	NA	1.8	DST4
Hefty	H20E3	E3	R	2.0	DST4
Hefty	H21XF2	RXF	NA	2.1	DST4
Hefty	H22XF3	RXF	R	2.2	DST5
Hefty	H23XF1	RXF	NA	2.3	DST4
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
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2379 E3	E3	R	2.3	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
Loyal	L2250E	E3	R	2.2	NLSB
Loyal	L2350E	E3	R	2.3	NLSB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK18-J7E3	E3	MR	1.8	CMBV,SA
NK Brand	NK19-D5XF	RXF	R	1.9	CMBV,SA
NK Brand	NK19-T8E3S §	E3,ST	R	1.9	CMBV,SA
NK Brand	NK20-B6E3S	E3,ST	R	2.0	CMBV,SA
Pioneer	P21A53E §	E3	NA	2.1	Untreated
Pioneer	P22T86E §	E3	R	2.2	Untreated
Pioneer	P23T49E §	E3	NA	2.3	Untreated
REA	R1532XF GC	RXF	NA	1.5	ACi,IL
REA	R1633XF	RXF	R	1.6	ACi,IL
REA	R1733XF	RXF	R	1.7	ACi,IL
REA	R1842XF	RXF	R	1.8	ACi,IL
REA	R1943XF	RXF	R	1.9	ACi,IL
REA	R2251XF	RXF	R	2.2	ACi,IL
REA	R2341XF	RXF	R	2.3	ACi,IL
REA	R2352XF	RXF	R	2.3	ACi,IL
Stine	17EE32 §	E3	R	1.7	SFI
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	SFI
Thunder	TE7322N	E3	R	2.2	TFI
Thunder	TX8220N	RXF	R	2.0	TFI
Thunder	TX8323N	RXF	R	2.3	TFI
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
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2002E	E3	NA	2.0	DST4
Zinesto	Z2101E	E3	R	2.1	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2202E	E3	NA	2.2	DST4
Zinesto	Z2303E	E3	R	2.3	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	Cruisermass® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
DST5	Dominance 5 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®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.