

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

2022 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] COLTON, SD
Floyd Snoozy, Minnehaha County, SD 57018

All-Season Test	Maturity Group 1.6 - 2.3 S2022SDEC05
Top 30 of 78	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Laudis, Stinger, Atrazine, Force
SOIL DESCRIPTION:	Egan-Ethan-Tetonka silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.9 pH, 4.2% OM, 28.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Roundup, Liberty, Volunteer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 26 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 111.4 /A

TEST COMMENTS:

Cool and wet spring weather pushed planting back to the end of May. This area stayed on the edge of drought conditions most of the summer. There were somewhat variable yields from the lack of consistent rainfalls. Two-thirds of the plots were 12-13 percent moisture but mechanical issues with the combine delayed the completion of harvest until three days later. Yields were higher in low spots and in high spots, they were lower. One replicate was removed where low yields from drought stress contributed to higher variance.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z2101G ↗	LLGT27	2.1	R	75.9	13.2	1	113.0	985	1
Zinesto	Z2101E ↗	E3	2.1	R	74.2	12.7	5	111.5	965	2
Genesis	G1970E ↗	E3	1.9	R	74.0	12.7	3	113.0	962	3
Stine	23EE06 § ↗	E3	2.3	S	73.7	12.4	1	112.5	958	4
Dairyland	DSR-2040E ↗	E3	2.0	R	73.6	12.2	1	113.0	957	5
Dairyland	DSR-2030E ↗	E3	2.0	R	73.5	13.2	1	114.5	956	6
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	73.0	12.8	1	110.5	949	7
Dak-Sota	DE5322 ↗	E3	2.2	R	72.5	14.1	1	107.0	942	8
Xitavo	XO 1971E ↗	E3	1.9	R	72.4	12.9	1	108.5	940	9
Pioneer	P22T86E § ↗	E3	2.2	R	72.1	13.8	1	98.5	936	10
REA	R1532XF GC ↗	RXF	1.5	NA	71.8	13.9	1	119.5	933	11
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	71.4	13.1	1	105.0	928	12
Asgrow	AG18XF1 § ↗	RXF	1.8	R	71.3	12.9	1	110.0	927	13
Loyal	L1950E ↗	E3	1.9	R	71.3	13.7	1	113.0	927	14
Genesis	G1950E ↗	E3	1.9	R	71.3	12.7	1	111.5	926	15
NK Brand	NK19-D5XF ↗	RXF	1.9	R	70.7	12.8	4	112.0	919	16
Latham	L 2049 E3 ↗	E3	2.0	R	70.5	13.2	1	111.5	916	17
Loyal	L1740E ↗	E3	1.7	R	70.4	13.7	1	111.5	915	18
Latham	L 2379 E3 ↗	E3	2.3	R	70.3	13.5	1	107.0	914	19
Zinesto	Z1902E ↗	E3	1.9	NA	70.1	12.9	1	113.0	911	20
Loyal	L2350E ↗	E3	2.3	R	70.0	13.5	3	110.5	910	21
Hefty	H18E3 ↗	E3	1.8	R	69.8	12.7	3	107.5	907	22
Asgrow	AG16XF3 § ↗	RXF	1.6	R	69.5	12.9	1	119.5	904	23
Latham	L 2283 XF ↗	RXF	2.2	R	69.2	16.0	3	112.0	900	24
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	69.2	12.6	3	114.0	900	25
Asgrow	AG19XF3 § ↗	RXF	1.9	R	68.8	12.9	1	111.5	894	26
Xitavo	XO 1632E ↗	E3	1.6	R	68.6	13.3	1	113.0	892	27
NK Brand	NK19-T8E3S § ↗	E3,ST	1.9	R	68.5	12.8	1	107.5	890	28
Xitavo	XO 2181E ↗	E3	2.1	R	68.2	13.1	3	109.0	887	29
Xitavo	XO 1822E ↗	E3	1.8	R	68.1	13.2	1	111.5	884	30



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Averages = **66.5** **13.1** **2** **111.4** **866**

LSD (0.10) = 5.8 1.2 ns

LSD (0.25) = 3.1 0.6 ns

C.V. = 6.8

Historic yield: 61.34 bu/a, 12 yr(s)

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

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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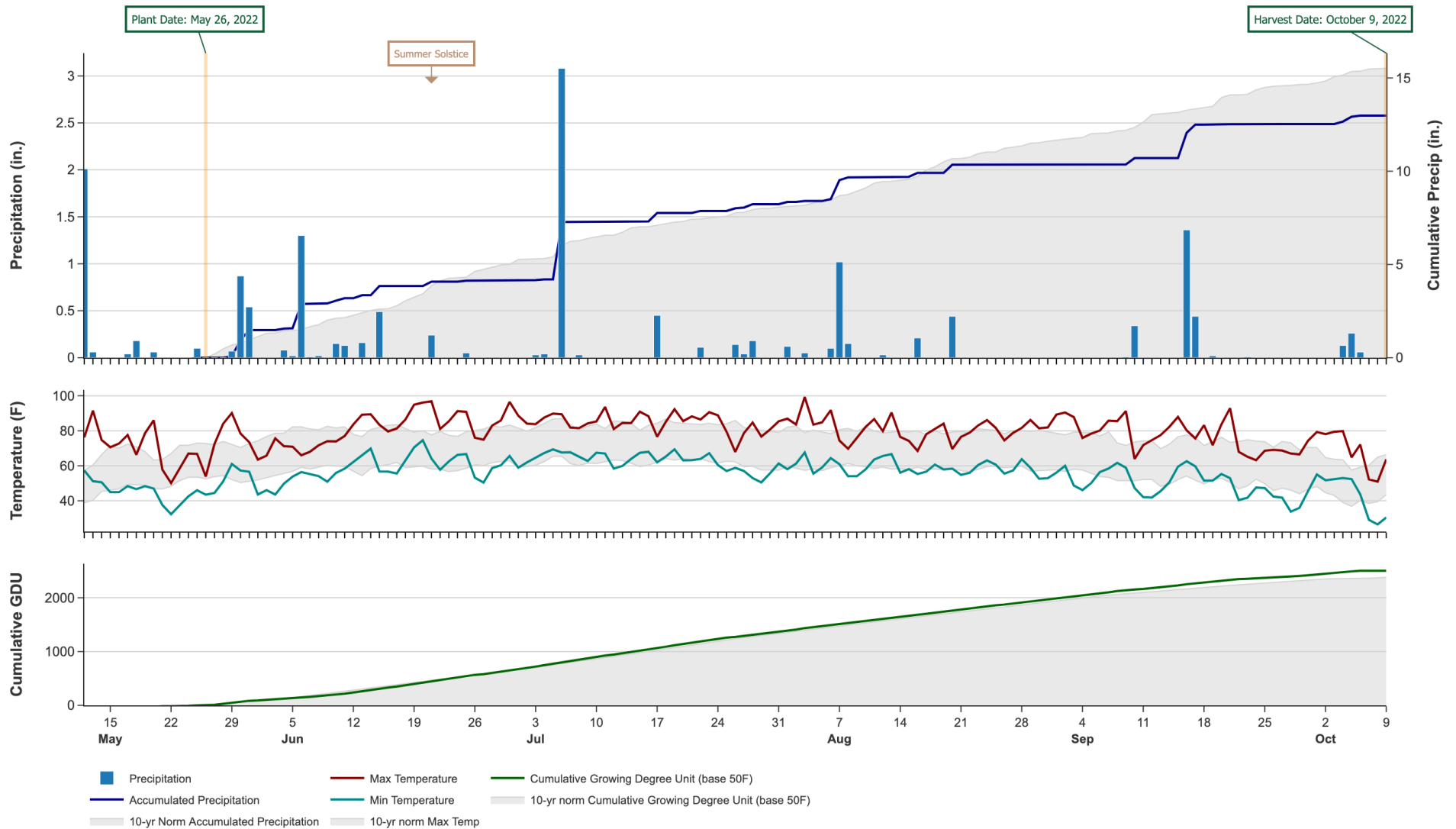
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2022 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at COLTON, SD

Weather Data Retrieved: 10/12/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.9 2.7 (+1.3)	2.6 4.0 (-1.4)	4.1 3.1 (+1.0)	2.1 3.5 (-1.4)	2.2 3.0 (-0.9)	0.5 0.9 (-0.4)	15.4 17.2 (-1.8)
GDU Normal (Diff)	226 198 (+27)	565 580 (-15)	714 692 (+21)	607 594 (+12)	446 402 (+43)	84 46 (+37)	2642 2515 (+126)



* 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.