

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

2022 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] DELL RAPIDS, SD
Levi Brown, Minnehaha County, SD 57022

All-Season Test	Maturity Group 2.1 - 2.8 S2022SDSE02
Top 30 of 68	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Stinger, Tripleflex, Callisto
SOIL DESCRIPTION:	Moody Trent Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.1 pH, 4.0% OM, 25.6 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 10 112.5 /A

TEST COMMENTS:

This area of the field did not see the erosion problems that affected the other plot here. We had to wait for a frost to harvest as some longer-day varieties stayed green. A little volunteer corn was present but most had no ears to affect grain samples. There were fairly even bean heights of 36 inches or more.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P22T86E GC ↗	E3	2.2	R	71.0	9.7	2	115.3	923	1
Pioneer	P21A53E § ↗	E3	2.1	NA	69.6	7.9	1	108.3	905	2
Zinesto	Z2101G ↗	LLGT27	2.1	R	68.8	8.3	1	112.7	894	3
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	68.5	8.4	1	110.0	890	4
Xitavo	XO 2181E ↗	E3	2.1	R	68.2	8.2	1	110.0	887	5
Latham	L 2494 XF ↗	RXF	2.4	R	68.0	10.0	1	111.7	884	6
Latham	L 2283 XF ↗	RXF	2.2	R	67.3	9.7	2	109.3	875	7
Hefty	H25XF3 ↗	RXF	2.5	R	67.1	11.0	4	110.3	872	8
Hefty	H22XF3 ↗	RXF	2.2	R	66.5	9.4	2	113.0	864	9
Hefty	H23XF1 ↗	RXF	2.3	NA	66.3	10.0	3	114.5	861	10
Hefty	H21XF2 ↗	RXF	2.1	NA	66.2	8.2	1	115.0	861	11
Thunder	TX8220N ↗	RXF	2.0	R	66.1	8.7	3	114.7	859	12
Hefty	H28XF3 ↗	RXF	2.8	R	66.0	10.8	2	112.7	858	13
Zinesto	Z2101E ↗	E3	2.1	R	65.8	8.6	2	112.0	855	14
Hefty	H26XF3 ↗	RXF	2.6	R	65.8	10.9	2	110.0	855	15
REA	R2651XF ↗	RXF	2.6	R	65.3	10.6	2	110.0	849	16
Latham	L 2379 E3 ↗	E3	2.3	R	64.9	9.5	1	113.7	844	17
Genesis	G2550E ↗	E3	2.5	R	64.7	9.9	4	113.0	841	18
Asgrow	AG26XF3 § ↗	RXF	2.6	R	64.7	12.9	1	114.5	841	19
Latham	L 2193 E3 ↗	E3	2.1	R	64.5	9.3	1	113.0	838	20
Stine	22EF23 § ↗	E3	2.2	R	64.2	8.8	3	117.3	835	21
NK Brand	NK22-C4E3 ↗	E3	2.2	R	64.0	8.6	5	113.0	832	22
REA	R1943XF ↗	RXF	1.9	R	64.0	8.8	1	111.7	832	23
Latham	L 2786 XF ↗	RXF	2.7	R	63.7	10.5	5	113.0	827	24
Latham	L 2638 E3 ↗	E3	2.6	R	63.4	10.9	4	111.7	824	25
Dyna-Gro	S26EN53 ↗	E3	2.6	R	63.2	11.6	1	113.0	820	26
Thunder	TE7322N ↗	E3	2.2	R	62.9	9.0	2	114.0	818	27
NK Brand	NK23-T9XF § ↗	RXF	2.3	R	62.9	9.7	1	110.7	818	28
Golden Harvest	GH2722XF ↗	RXF	2.7	MR	62.7	9.8	1	112.7	815	29
Stine	26EC32 § ↗	E3	2.6	R	62.6	12.8	2	113.0	814	30



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Averages = **61.2** **10.2** **2** **112.5** **795**

LSD (0.10) = 5.0 0.9 ns

LSD (0.25) = 2.6 0.5 ns

C.V. = 7.8

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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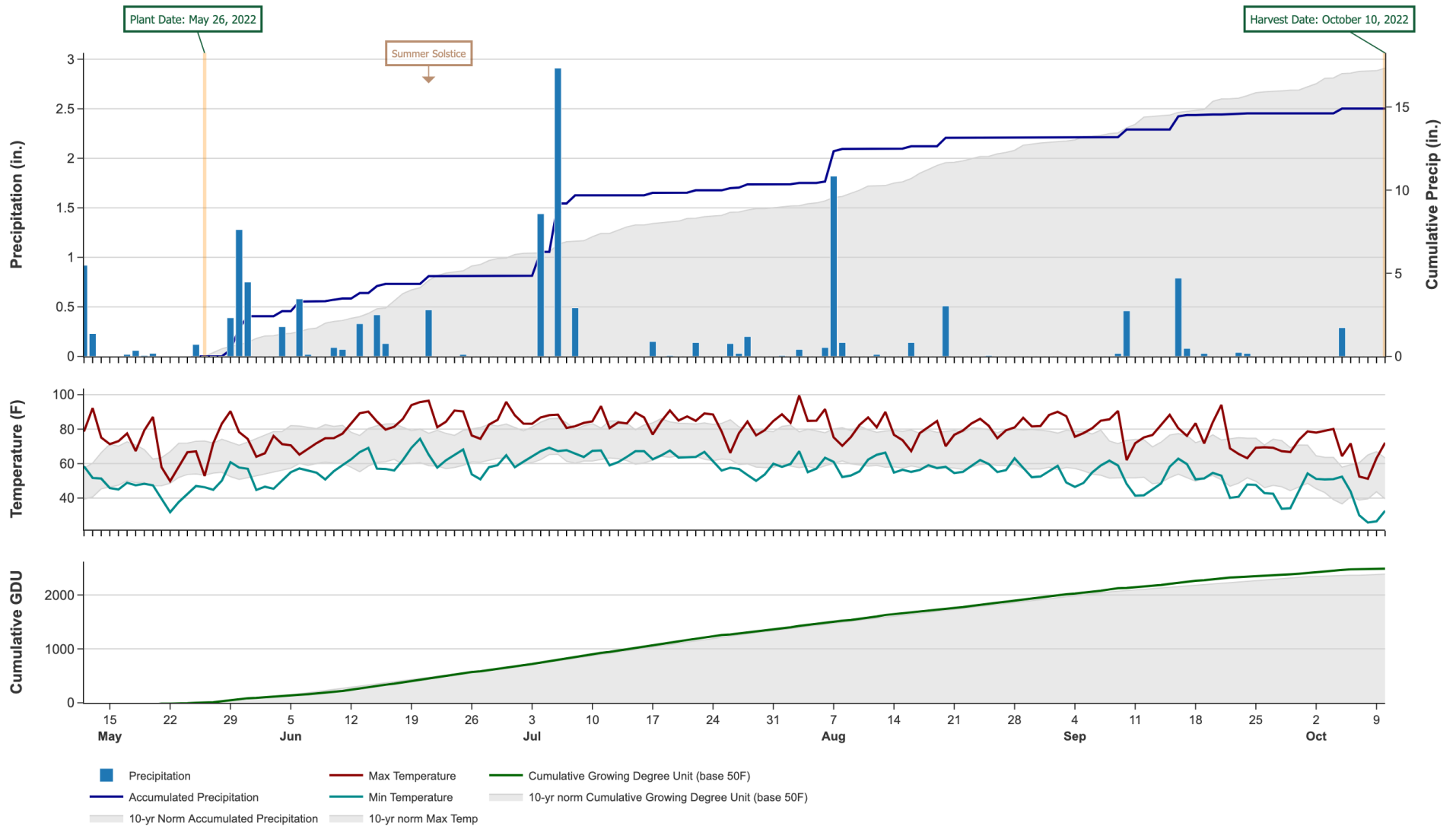
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2022 Soybeans - South Dakota Southeast [SDSE]

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.

2022 Soybeans - South Dakota Southeast [SDSE]

All-Season Test Products (68 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG26XF3 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Dyna-Gro	S23ES32	E3,ST	R	2.3	EQV,Sa,Va
Dyna-Gro	S26EN53	E3	R	2.6	EQV,Sa,Va
Dyna-Gro	S26XF42	RXF	R	2.6	EQV,Sa,Va
Genesis	G2270E	E3	R	2.2	EcTC,SA
Genesis	G2550E	E3	R	2.5	EcTC,SA
Genesis	G2570ES	E3,ST	R	2.5	EcTC,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMBV,SA
Golden Harvest	GH2610E3 §	E3	NA	2.6	CMBV,SA
Golden Harvest	GH2722XF	RXF	MR	2.7	CMBV,SA
Hefty	H21XF2	RXF	NA	2.1	DST4
Hefty	H22XF3	RXF	R	2.2	DST5
Hefty	H23XF1	RXF	NA	2.3	DST4
Hefty	H24XF2	RXF	NA	2.4	DST4
Hefty	H25XF3	RXF	R	2.5	DST4
Hefty	H26XF3	RXF	R	2.6	DST4
Hefty	H28XF3	RXF	R	2.8	DST4
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
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
Latham	L 2638 E3	E3	R	2.6	SS,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
Loyal	L2650	E3	R	2.6	NLSB
Loyal	L2940E	E3	R	2.8	NLSB
NK Brand	NK22-C4E3	E3	R	2.2	CMBV,SA
NK Brand	NK22-R2E3S §	E3,ST	R	2.2	CMBV,SA
NK Brand	NK23-T9XF §	RXF	R	2.3	CMBV,SA
NK Brand	NK24-A2E3S	E3,ST	R	2.4	CMBV,SA
Pioneer	P21A53E §	E3	NA	2.1	Untreated
Pioneer	P22T86E GC	E3	R	2.2	Untreated
Pioneer	P23T49E §	E3	NA	2.3	Treated
Pioneer	P24T35E §	E3	R	2.4	Untreated
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
REA	R2651XF	RXF	R	2.6	ACi,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
REA	R2859XF	RXF	R	2.8	ACi,IL
Renk	RS2-271E	E3	R	2.7	EcTC,SA
Stine	22EF23 §	E3	R	2.2	SFI
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Thunder	TE7322N	E3	R	2.2	TFI
Thunder	TE7325N	E3	R	2.5	TFI
Thunder	TE7327N	E3	R	2.7	TFI
Thunder	TX8220N	RXF	R	2.0	TFI
Thunder	TX8323N	RXF	R	2.3	TFI
Thunder	TX8327N	RXF	R	2.7	TFI
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
Xitavo	XO 2472E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
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
Zinesto	Z2401E	E3	R	2.4	DST4
Zinesto	Z2503E	E3	R	2.5	DST4
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	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
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relyna®
SF1	Stine XP F&I
SS,SA	SoyShield, Salto®
SS+,SA	SoyShield Plus, Salto®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.