

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

2022 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] BURBANK, SD
Tom Hall, Union County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2022SDSE04
Top 30 of 68	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Liberty
SOIL DESCRIPTION:	Wentworth-Worthy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 7.2 pH, 3.6% OM, 20.8 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Liberty, Round-Up, Volunteer, Sonic
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 27 120.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 107.6 /A

TEST COMMENTS:

There are two plots at this location with different populations planted, with this one at a lower 120 ppa. There was enough moisture to get the crop growing this spring. We sprayed liberty and Roundup twice to stay ahead of the weeds. There was some weed pressure at the site. This area has been in a drought for the last two years. Enough spotty showers hit the plot to produce good yields considering the lack of rain. Reel and cycle loss were evident at harvest with the low moisture of soybeans for harvest. Lower areas of the field seemed to yield better.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	S26XF42 ↗	RXF	2.6	R	68.3	6.7	1	109.3	888	1
Zinesto	Z2101G ↗	LLGT27	2.1	R	67.7	6.7	1	106.3	880	2
Loyal	L2940E ↗	E3	2.8	R	67.0	6.8	1	107.5	871	3
NK Brand	NK23-T9XF § ↗	RXF	2.3	R	66.5	6.8	1	111.3	864	4
Xitavo	XO 2501E ↗	E3	2.5	R	65.9	6.6	1	106.7	857	5
Thunder	TX8327N ↗	RXF	2.7	R	65.7	6.5	1	106.7	854	6
NK Brand	NK22-C4E3 ↗	E3	2.2	R	64.8	6.4	1	106.7	842	7
Hefty	H21XF2 ↗	RXF	2.1	NA	64.0	6.8	1	109.0	832	8
Latham	L 2494 XF ↗	RXF	2.4	R	63.8	6.7	2	113.3	829	9
Thunder	TE7325N ↗	E3	2.5	R	62.9	6.8	1	110.3	818	10
Hefty	H26XF3 ↗	RXF	2.6	R	62.7	6.8	1	105.3	815	11
NK Brand	NK24-A2E3S ↗	E3,ST	2.4	R	62.7	6.5	2	105.3	815	12
REA	R2251XF ↗	RXF	2.2	R	62.2	6.6	1	105.7	809	13
Genesis	G2570ES ↗	E3,ST	2.5	R	61.9	6.7	1	111.0	805	14
Pioneer	P22T86E GC ↗	E3	2.2	R	61.6	6.7	1	111.0	801	15
Hefty	H23XF1 ↗	RXF	2.3	NA	61.5	6.7	1	105.7	800	16
REA	R2352XF ↗	RXF	2.3	R	61.5	6.6	2	108.3	800	17
Hefty	H24XF2 ↗	RXF	2.4	NA	61.4	6.5	1	103.7	798	18
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	61.3	6.6	1	105.7	797	19
Thunder	TE7322N ↗	E3	2.2	R	61.1	6.5	1	109.7	794	20
Zinesto	Z2503E ↗	E3	2.5	R	59.9	6.6	1	106.3	779	21
REA	R2651XF ↗	RXF	2.6	R	59.5	6.6	1	104.7	774	22
Latham	L 2379 E3 ↗	E3	2.3	R	59.2	6.8	1	110.0	770	23
Zinesto	Z2101E ↗	E3	2.1	R	58.8	6.8	2	110.0	764	24
Genesis	G2270E ↗	E3	2.2	R	58.7	6.6	2	106.3	763	25
Latham	L 2786 XF ↗	RXF	2.7	R	58.6	6.9	1	106.7	762	26
REA	R1943XF ↗	RXF	1.9	R	58.5	6.6	1	106.7	760	27
Xitavo	XO 2323E ↗	E3	2.3	R	58.4	6.7	1	110.3	759	28
Genesis	G2550E ↗	E3	2.5	R	58.0	6.5	1	106.7	754	29
Hefty	H28XF3 ↗	RXF	2.8	R	57.9	6.8	1	106.3	753	30



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Averages = **57.2** **6.7** **1** **107.6** **744**

LSD (0.10) = 7.1 ns ns

LSD (0.25) = 3.7 ns ns

C.V. = 11.8

Historic yield: 59.72 bu/a, 2 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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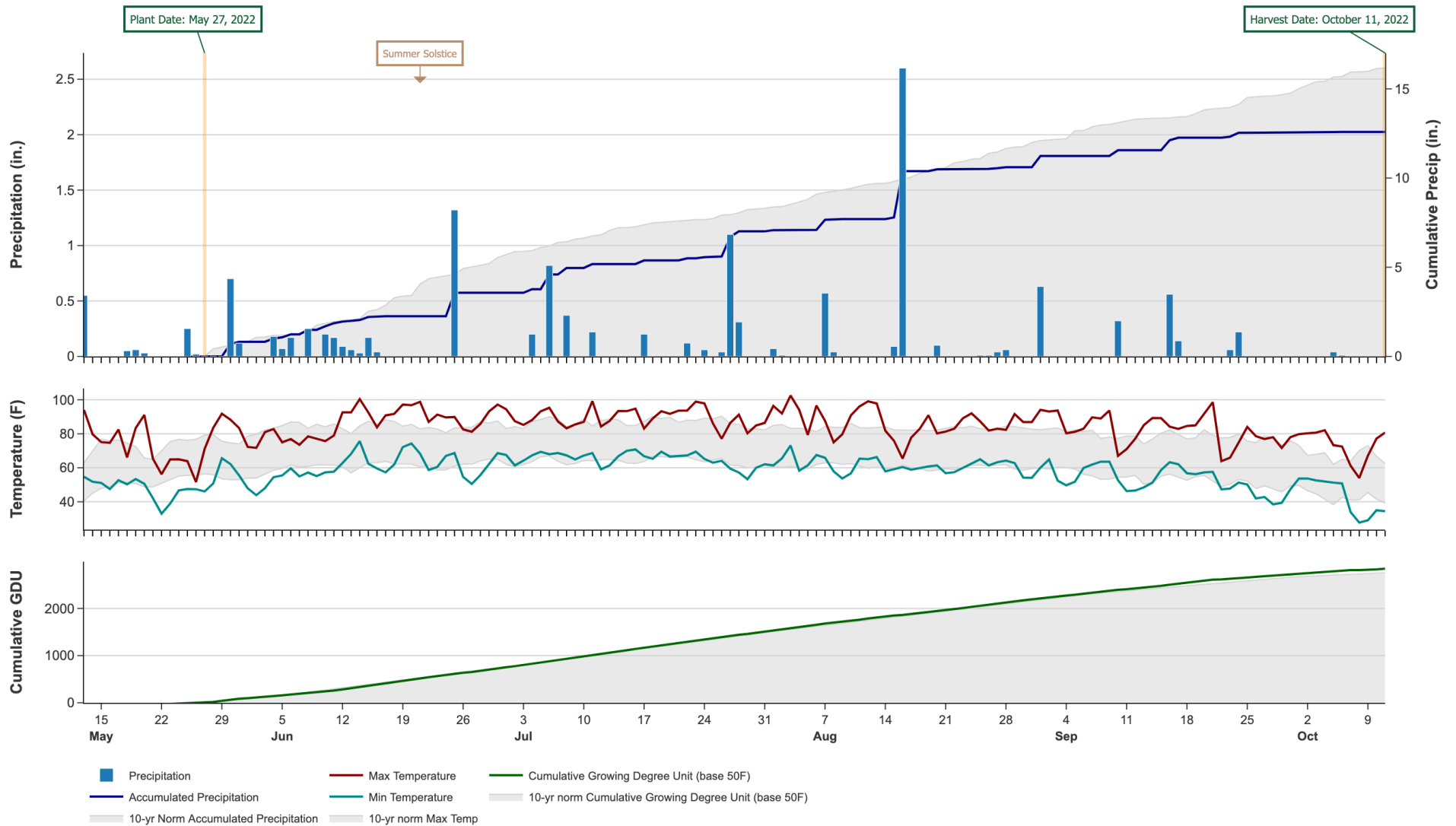
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2022 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at BURBANK, SD

Weather Data Retrieved: 10/14/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.8 2.7 (-0.9)	2.8 4.8 (-2.0)	3.4 2.8 (+0.7)	3.6 3.7 (-0.1)	1.9 2.8 (-0.8)	0.1 1.4 (-1.3)	13.6 18.1 (-4.5)
GDU Normal (Diff)	251 246 (+4)	639 671 (-32)	780 758 (+21)	685 679 (+5)	529 492 (+36)	120 95 (+24)	3004 2943 (+60)



* 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 (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.