

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 S2022SDSE03
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, 7.6 pH, 3.9% OM, 21.8 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 27 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 110.6 /A

TEST COMMENTS:

There are two plots at this location with different populations planted, with this one at a higher 140 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 were weeds at the site, with more in this plot than in the other one located here. 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. Data were rejected due to high variance from weed pressure.

Company/Brand	Product/Brand	Yield (t)	GR	SCN Resist.	Yield Bu/A	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Land	L2000	53	2.8	R	98.8	6.8	1	111.8	670	1
Argus	AG2707 g	50F	2.7	R	98.5	6.7	1	112.0	638	2
NSA	NSA2007	50F	1.9	R	92.8	6.6	1	113.0	618	3
Reel	RE22716	53	2.7	R	91.8	6.6	1	112.7	601	4
Zeeba	Z2000	53	2.8	R	92.4	6.7	1	111.7	595	5
Reel	RE2120 g	53	2.8	R	91.7	6.4	2	109.3	590	6
NSA	NSA2007	50F	2.8	R	91.7	6.7	1	111.2	579	7
NSA	NSA2007	50F	2.3	R	91.4	6.7	1	111.7	578	8
NSA	NSA2007	50F	2.1	R	91.1	6.7	1	108.7	570	9
Reel	RE2000	53	2.8	R	90.3	6.7	1	111.0	574	10
NS Brand	NS23700 g	50F	2.8	R	91.7	6.7	1	112.0	571	11
Thunder	TE21216	53	2.7	R	91.4	6.8	1	112.7	570	12
Liberty	L2700 8F	50F	2.7	R	90.4	7.0	1	111.7	570	13
Liberty	L2000 8F	50F	2.4	R	90.7	6.7	1	113.3	570	14
Thunder	TE21216	53	2.7	R	90.3	6.8	4	113.7	570	15
Thunder	TE21216	53	2.7	R	90.3	6.7	1	113.0	570	16
Liberty	L2000 8F	53	2.7	R	90.2	6.8	1	108.3	571	17
Zeeba	Z2000	53	2.8	R	90.8	6.8	1	112.7	570	18
Reel	RE2007	53	2.8	R	90.7	6.8	2	111.7	574	19
Reel	RE2007	53	2.1	NS	90.7	6.7	1	112.7	574	20
Reel	RE2007	53	2.8	R	90.8	6.8	1	111.7	573	21
Proso	PR21216	53	2.3	NS	90.8	7.1	4	110.0	572	22
Thunder	TE21216	50F	2.7	R	90.4	6.8	1	111.7	577	23
Golden Harvest	GH2000	53	2.2	NS	90.2	6.8	1	110.3	578	24
Reel	RE2000	53	2.8	R	90.1	7.2	1	112.0	570	25
Genesys	GS2700	53.8F	2.6	R	90.8	6.6	4	108.7	571	26
Reel	RE2000	53	2.8	R	90.7	6.8	1	111.0	608	27
Land	L2000	53	2.8	R	90.5	6.7	1	110.3	606	28
Proso	PR21216 g	53	2.4	R	90.3	6.7	1	112.0	600	29
Thunder	TE21216	50F	2.0	R	90.9	6.8	2	112.7	600	30

REJECTED



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Averages = **52.6** **6.7** **1** **110.6** **684**

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 13.8

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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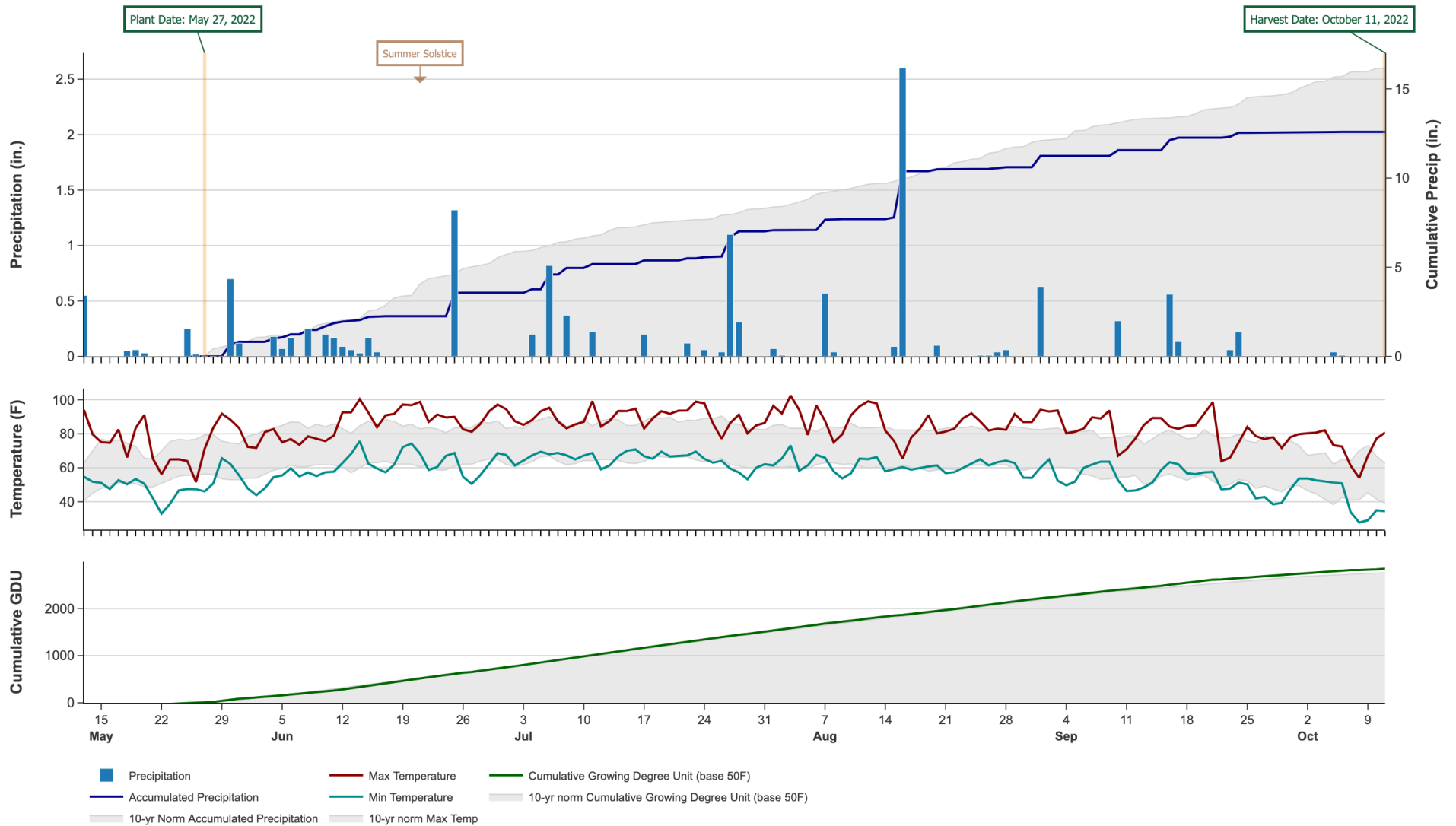
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2022 Soybeans - South Dakota Southeast [SDSE]

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.

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.