

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

2021 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 S2021SDSE03
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Round-Up
SOIL DESCRIPTION:	Wentworth-Worthing silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 7.6 pH, 4.0% OM, 22.6 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Sonic, Round-Up, Volunteer, Flexstar
FERTILITY - Applied N:	aerial foliar fertilizer application applied twice
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 16 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 5 110.6 /A

TEST COMMENTS:

Harvest was delayed as drought followed by late August rains messed with the natural dry down of the soybeans. This area did catch some good rains, and thus some good yields. Grain moistures were a little elevated as the fall rains persisted. A foliar application of fertilizer was used to help boost the yields. A little weed pressure was evident but did not present a problem during harvest. There are still quite a lot of soybeans in the area to harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 2887 R2X ↗	RRX	2.8	R	78.6	14.2	1	113.5	939	1
Latham	L 2839 LLGT27 ↗	LLGT27	2.8	R	75.7	15.2	7	120.5	903	2
Zinesto	Z2401E ↗	E3	2.4	R	72.5	13.9	1	108.0	868	3
Hefty	H28X8 ↗	RRX	2.8	R	71.2	14.4	1	112.7	851	4
Golden Harvest	GH2562XF § ↗	RXF	2.5	R	68.8	15.4	2	112.7	820	5
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	68.6	14.4	1	110.3	820	6
Latham	L 2786 XF ↗	RXF	2.7	R	68.6	14.7	1	112.0	819	7
Hefty	H25X0 ↗	RRX	2.5	R	67.9	14.4	1	106.7	811	8
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	67.1	14.3	1	112.0	802	9
REA	R2651XF ↗	RXF	2.6	R	66.9	15.0	2	109.0	798	10
NK Brand	NK24-G7E3 ↗	E3	2.4	R	66.5	14.5	1	112.0	795	11
Latham	L 2549 R2X ↗	RRX	2.5	R	66.4	14.1	1	108.7	794	12
NK Brand	NK25-C9XF ↗	RXF	2.5	MR	66.2	14.2	1	114.0	792	13
Hefty	H24XF2 ↗	RXF	2.4	NA	66.1	15.0	1	109.7	789	14
Asgrow	AG26XF1 § ↗	RXF	2.6	R	65.7	14.7	1	104.7	784	15
Hefty	H26XF2 ↗	RXF	2.6	NA	65.0	14.4	2	112.7	777	16
Latham	L 2638 E3 ↗	E3	2.6	R	64.8	14.5	1	109.3	774	17
Innotech	IS2545E3 ↗	E3	2.5	R	64.7	15.5	1	107.3	771	18
Stine	21EE62 § ↗	E3	2.1	R	63.9	14.6	1	109.3	763	19
Credenz	CZ 2360GTLL ↗	LLGT27	2.3	MR	63.9	14.8	1	111.0	763	20
Hoegemeyer	2421 E ↗	E3	2.4	R	63.8	14.8	1	110.3	762	21
Zinesto	Z2101G ↗	LLGT27	2.1	R	63.6	15.4	1	115.0	757	22
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	63.3	14.0	1	110.0	757	23
Xitavo	XO 2501E ↗	E3	2.5	R	63.0	14.5	2	111.3	753	24
Stine	25EB32 § ↗	E3	2.5	R	62.8	14.8	4	111.0	750	25
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	62.8	14.8	1	113.0	750	26
Apex	AE2420S ↗	E3,ST	2.4	R	62.7	14.5	1	109.0	749	27
Hoegemeyer	2660 E ↗	E3	2.6	R	62.6	14.2	1	106.0	748	28
Zinesto	Z2700E ↗	E3	2.7	R	62.5	14.4	2	111.0	747	29
REA	R2140XF ↗	RXF	2.1	NA	62.5	14.6	1	116.0	747	30

Mark Tollefson

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages = **62.1** **14.6** **1** **110.6** **744**

LSD (0.10) = 6.2 0.5 1

LSD (0.25) = 3.3 0.3 1

C.V. = 9.6

Historic yield: 56.89 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.1 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 11/07/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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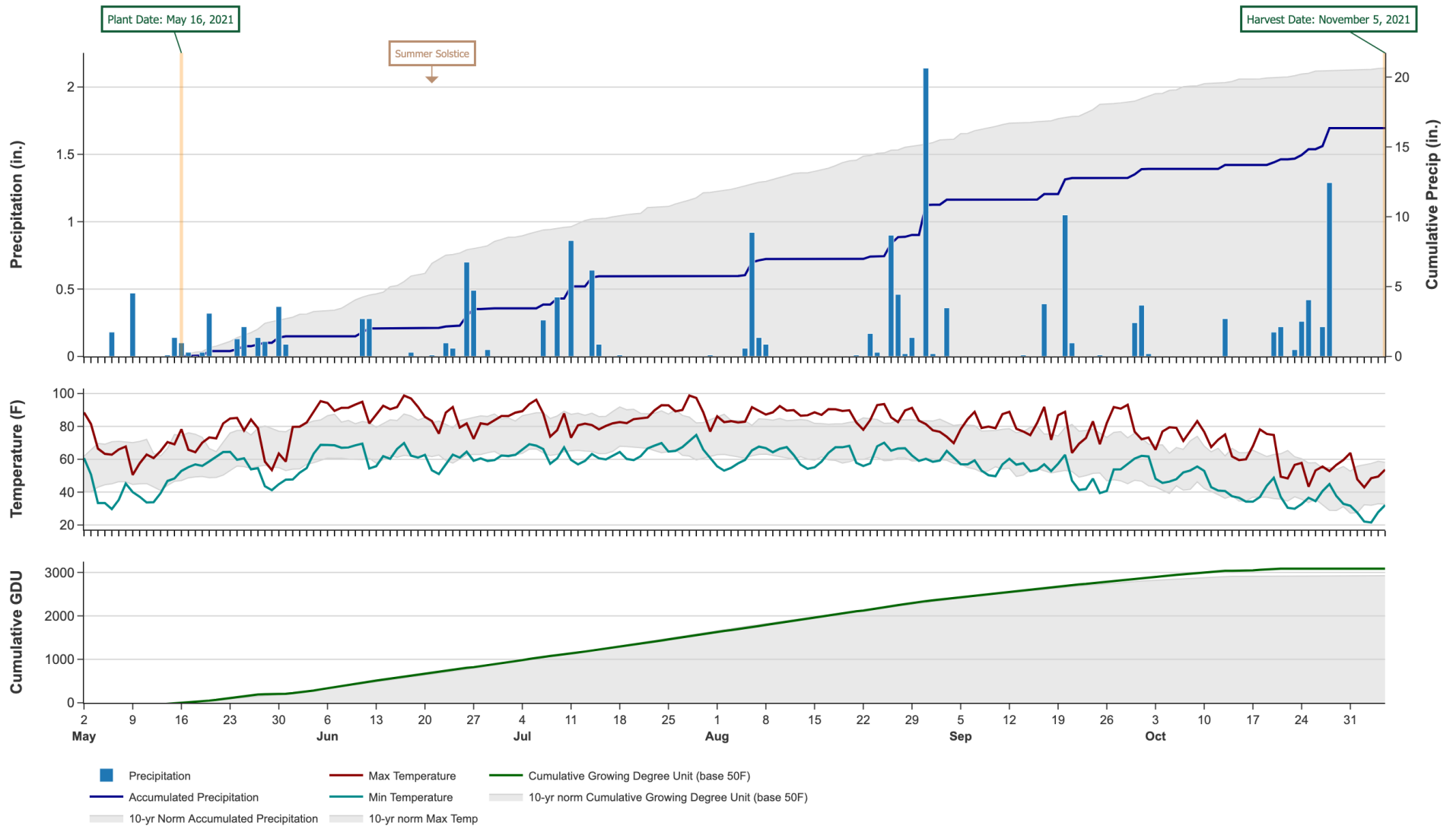
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2021 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at BURBANK, SD

Weather Data Retrieved: 11/07/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	2.3 4.1 (-1.8)	2.0 5.5 (-3.5)	2.3 3.5 (-1.2)	5.1 3.5 (+1.6)	2.2 3.1 (-0.9)	3.3 2.3 (+1.1)	0.0 0.1 (-0.1)	17.2 22.0 (-4.7)
GDU Normal (Diff)	307 351 (-44)	676 657 (+18)	732 770 (-38)	725 683 (+41)	518 470 (+47)	227 133 (+93)	0 0 (0)	3185 3066 (+118)



* 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 (63 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2220	E3	R	2.2	CMBV,SA
Apex	AE2420S	E3,ST	R	2.4	CMBV,SA
Asgrow	AG21XF0 §	RXF	R	2.1	ACi,IL
Asgrow	AG26XF1 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF2 §	RXF	R	2.7	ACi,IL
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Credenz	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
Credenz	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
Credenz	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
Dyna-Gro	S24XF12	RXF	R	2.4	EQV,SA
Dyna-Gro	S25EN41	E3	R	2.5	EQV,SA
Dyna-Gro	S27EN89	E3	R	2.7	EQV,SA
Genesis	G2260E	E3	R	2.2	CMBV,SA
Genesis	G2460ES	E3,ST	R	2.4	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Golden Harvest	GH2562XF §	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2818E3	E3	MR	2.8	CMBV,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,SA
Hefty	H23XF1	RXF	NA	2.3	DST4,SA
Hefty	H24XF2	RXF	NA	2.4	DST4,SA
Hefty	H25X0	RRX	R	2.5	DST4,SA
Hefty	H25XF1	RXF	NA	2.5	DST4,SA
Hefty	H26XF2	RXF	NA	2.6	DST4,SA
Hefty	H28X8	RRX	R	2.8	DST4,SA
Hoegemeyer	2141 E	E3	R	2.1	Lum,Lu,IL
Hoegemeyer	2421 E	E3	R	2.4	Lum,Lu,IL
Hoegemeyer	2660 E	E3	R	2.6	Lum,Lu,IL
Innotech	IS2342E3	E3	MR	2.3	Fortify
Innotech	IS2545E3	E3	R	2.5	Fortify
Innotech	IS2748E3	E3	MR	2.7	Fortify
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
Latham	L 2549 R2X	RRX	R	2.5	SS+,SA
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2839 LLGT27	LLGT27	R	2.8	SS+,SA
Latham	L 2887 R2X	RRX	R	2.8	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
Loyal	L2240E	E3	R	2.2	CMBV,SA
Loyal	L2440ES	E3,ST	R	2.4	CMBV,SA
NK Brand	NK21-H4XF §	RXF	MR	2.1	CMBV,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK22-C4E3	E3	R	2.2	CMBV,SA
NK Brand	NK24-G7E3	E3	R	2.4	CMBV,SA
NK Brand	NK25-C9XF	RXF	MR	2.5	CMBV,SA
Pioneer	P23A15X §	RRX	R	2.3	Lum,Lu
REA	R2140XF	RXF	NA	2.1	ACi,IL
REA	R2651XF	RXF	R	2.6	ACi,IL
Stine	21EE62 §	E3	R	2.1	SFI
Stine	24EE32 §	E3	R	2.4	SFI
Stine	25EB32 §	E3	R	2.5	SFI
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB
Xitavo	XO 2472E	E3	R	2.4	PV,IL,OB
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB
Zinesto	Z2101E	E3	R	2.1	DST4,SA
Zinesto	Z2101G	LLGT27	R	2.1	DST4,SA
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2300E	E3	R	2.3	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST4,SA
Zinesto	Z2401E	E3	R	2.4	DST4,SA
Zinesto	Z2700E	E3	R	2.7	DST4,SA

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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®

* Seed treatments may include unspecified plant health promoting components.