

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

2021 Soybeans Top 30 Harvest Report

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

All-Season Test	1.6 - 2.3 Day CRM S2021SDEC05
Top 30 of 81	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Round-Up
SOIL DESCRIPTION:	Ethan-Egan silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 7.1 pH, 4.6% OM, 21.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Flexstar, Roundup, Volunteer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 126.1 /A

TEST COMMENTS:

Super soil conditions for planting this spring and earlier than average planting date for us. We had some dicamba drift in June and affected one side of the plot worse than the other. That herbicide was not used on the surrounding field, so drift was from some distance. At harvest, recent damp weather brought average soybean moistures up to 13 percent to start the plot. Variable yields as low ground showed better results. Extremely dry this summer and drought conditions persisted into fall. Better than expected soybeans yields in the area with many fields in the 50 bu/acre range. Due to dicamba damage and significant differences in yield between tolerant and non-tolerant varieties, the test results are not reported.

Company/Brand	Product/Brand	Seeds / Bu	Moisture %	Yield Bu/A	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Holly	HY18072 +	NAF	1.8	NA	88.8	13.0	1	126.0	638	1
Genesee	G20000 +	E3	2.0	R	87.8	12.8	1	126.0	634	2
Holly	HY18072 +	NAF	2.0	NA	86.8	12.8	1	126.0	700	3
Dynacore	DC18072 +	NAF	2.1	R	86.8	12.8	1	126.0	700	4
Latham	L 200000 +	E3	2.0	R	86.8	12.8	1	126.0	700	5
NA Brand	NA21-18072 +	NAF	2.1	NA	86.8	12.8	1	126.0	710	6
Winn	W0 21000 +	E3	2.1	R	86.8	12.7	1	126.0	700	7
Pioneer	P214200 +	NAF	2.1	R	85.8	12.8	1	126.0	707	8
Latham	L 210000 +	NAF	2.1	R	85.8	12.8	1	126.0	700	9
Holly	HY18071 +	NAF	1.8	NA	85.2	13.1	1	126.0	701	10
Holly	HY18071 +	NAF	1.8	NA	85.2	13.1	1	126.0	700	11
Argus	AG18071 +	NAF	1.8	R	85.1	13.1	1	126.0	707	12
Winn	W0 21000 +	E3	2.0	R	85.1	12.7	1	126.0	700	13
Crescent	C2 200000 +	E3	2.0	R	85.1	12.8	1	126.0	704	14
Dynacore	DC180000 +	E3	2.0	R	85.0	13.0	1	126.0	704	15
Crescent	C2 210000 +	LS0707	2.1	NA	81.8	12.7	1	126.0	700	16
Zeev	Z00000 +	E3	2.0	NA	81.8	12.8	1	126.0	702	17
Agri	AG1800 +	E3	1.8	R	81.4	12.8	1	126.0	707	18
Dynacore	DC180000 +	E3	2.1	R	81.4	13.0	1	126.0	707	19
Genesee	G20000 +	E3	2.2	R	81.4	12.8	1	126.0	707	20
Lark	L00000 +	E3	2.0	R	81.3	12.8	1	126.0	706	21
Latham	L 170000 +	NAF	1.7	R	81.2	12.8	1	126.0	704	22
Agri	AG1800 +	E3	1.8	R	80.8	13.0	1	126.0	700	23
Zeev	Z00000 +	LS0707	2.0	NA	80.8	12.7	1	126.0	707	24
Agri	AG2000 +	E3	2.0	R	80.4	12.4	1	126.0	700	25
Latham	L 200000 +	NAF	2.2	R	80.4	12.8	1	126.0	700	26
Zeev	Z00000 +	E3	2.0	NA	80.0	12.8	2	126.0	700	27
Holly	HY18071 +	NAF	1.7	NA	80.0	12.8	1	126.0	710	28
Golden Harvest	GH180000 +	NAF	2.1	NA	80.7	12.8	1	126.0	710	29
Latham	L 200000 +	NAF	2.2	R	80.0	12.8	1	126.0	710	30



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Averages =	58.0	12.8	1	126.1	696
LSD (0.10) =	5.1	0.3	ns		
LSD (0.25) =	2.7	0.2	ns		
C.V. =	8.4			Historic yield: 61.34 bu/a, 11 yr(s)	

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/07/2021

Additional reports available at www.firstseedtests.com

† 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

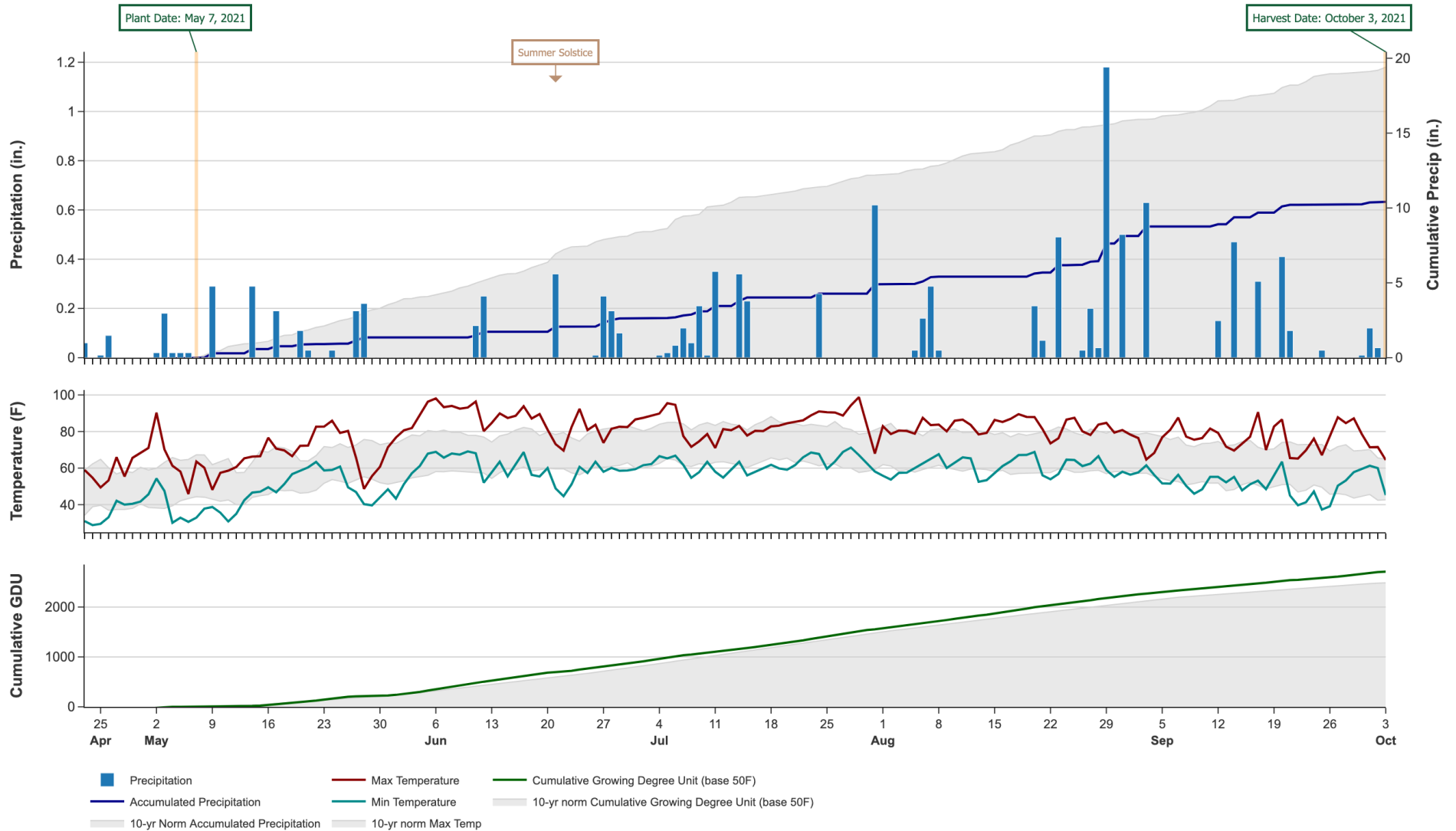
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2021 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at COLTON, SD

Weather Data Retrieved: 10/07/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.2 0.8 (-0.6)	1.6 4.5 (-2.9)	1.3 4.6 (-3.3)	2.3 4.1 (-1.8)	3.2 3.6 (-0.4)	2.1 3.2 (-1.1)	0.2 0.3 (-0.2)	10.8 21.1 (-10.3)
GDU Normal (Diff)	25 18 (+6)	268 261 (+6)	639 554 (+84)	686 700 (-14)	668 600 (+67)	449 381 (+67)	39 25 (+13)	2774 2541 (+232)



* 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 (81 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1720	E3	R	1.7	CMBV,SA
Apex	AE1920	E3	R	1.9	CMBV,SA
Apex	AE1930	E3	R	1.9	CMBV,SA
Apex	AE2020	E3	R	2.0	CMBV,SA
Apex	AE2220	E3	R	2.2	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	Untreated
Asgrow	AG21XF0 §	RXF	R	2.1	ACi,IL
Asgrow	AG22XF2 §	RXF	R	2.2	ACi,IL
Credenz	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
Credenz	CZ 1859GTLL	LLGT27	R	1.8	PV,IL,OB
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Credenz	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
Dairyland	DSR-1820E	E3	R	1.8	Lum,IL
Dairyland	DSR-2030E	E3	R	1.9	Lum,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,IL
Dairyland	DSR-2112E	E3	R	2.1	Lum,IL
Dairyland	DSR-2222E	E3	R	2.2	Lum,IL
Dyna-Gro	S18EN52	E3	MR	1.8	EQV,SA
Dyna-Gro	S21XF72	RXF	R	2.1	EQV,SA
Genesis	G1760E	E3	R	1.7	CMBV,SA
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G1970E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Genesis	G2260E	E3	R	2.2	CMBV,SA
Golden Harvest	GH1762XF	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Golden Harvest	GH2011E3	E3	MR	2.0	CMBV,SA
Golden Harvest	GH2102XF	RXF	MR	2.1	CMBV,SA
Hefty	H16X1	RRX	R	1.6	DST4,SA
Hefty	H16XF2	RXF	NA	1.6	DST5
Hefty	H17XF1	RXF	NA	1.7	DST4,SA
Hefty	H18XF2	RXF	NA	1.8	DST4,SA
Hefty	H20XF1	RXF	NA	2.0	DST4,SA
Hefty	H20XF2	RXF	NA	2.0	DST4,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,SA
Hefty	H23XF1	RXF	NA	2.3	DST4,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Innotech	IS1761E3	E3	MR	1.7	Fortify
Innotech	IS1929E3	E3	R	1.9	Fortify
Innotech	IS2089E3	E3	MR	2.0	Fortify
Innotech	IS2342E3	E3	MR	2.3	Fortify
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1995 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2184 R2X	RRX	R	2.1	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2295 R2X	RRX	R	2.2	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Loyal	L1740E	E3	R	1.7	CMBV,SA
Loyal	L1940E	E3	R	1.9	CMBV,SA
Loyal	L1950E	E3	R	1.9	CMBV,SA
Loyal	L2040E	E3	R	2.0	CMBV,SA
Loyal	L2240E	E3	R	2.2	CMBV,SA
NK Brand	NK18-J7E3	E3	MR	1.8	CMBV,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
NK Brand	NK19-Y5E3 §	E3	R	1.9	CMBV,SA
NK Brand	NK21-H4XF §	RXF	MR	2.1	CMBV,SA
Pioneer	P21A28X §	RRX	R	2.1	Lum,Lu
REA	R1532XF	RXF	NA	1.5	ACi,IL
REA	R2140XF	RXF	NA	2.1	ACi,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Stine	17EE32 §	E3	R	1.7	SFI
Stine	20EE23 §	E3	R	2.0	SFI
Stine	21EE62 §	E3	R	2.1	SFI
Thunder	TE7218N	E3	R	1.8	AM
Thunder	TE7221N	E3	R	2.1	AM
Thunder	TX8117N	RXF	R	1.7	AM
Thunder	TX8220N	RXF	R	2.0	AM
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB
Zinesto	Z1601E	E3	R	1.6	DST4,SA
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1801E	E3	R	1.8	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4,SA
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST4,SA
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST4,SA

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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
AM	ApronMaxx
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.