

Test by: NewVenture, LLC Ellendale, MN

2021 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] FOLEY, MN
Roy Schneider, Benton County, MN 56329

Early-Season Test	Maturity Group 0.6 - 0.9 S2021MNNC03a
Top 30 of 37	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Mora-Ronneby Complex silt loam, mod. poorly drained, non- irrigated
SOIL CONDITION:	low P, very high K, 6.4 pH, 2.2% OM, 11.0 CEC
TILLAGE/CULTIVATION:	Strip-Till
PEST MANAGEMENT:	Extract, Matador, Makaze, Enginia, Dual Magnum, Fusilade, Choice Trio, Reign, Miravis
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 10 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 7 129.5 /A

TEST COMMENTS:

The plot was planted as a side-by-side test and the yields went down the further into the plot we went. The early season test was so limited on yield that many plots did not register on my scale. Like the corn plot that was right across the road, when it doesn't rain, not much can be done. Thank you to Roy for hosting, he is outstanding to work with. Because of high yield variation from drought stress, the full-season test results were rejected, and the early-season test had negligible yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
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Damaged by severe drought stress

	Averages =	12.5	14.5	0	129.5	150
	LSD (0.10) =	ns	ns	ns		
Ed Dahle	LSD (0.25) =	ns	ns	ns		
ed.dahle@firstseedtests.com, (507) 456-6624	C.V. =	36.6			Historic yield: 58.26 bu/a, 3 yr(s)	
Yield & Income Factors:	Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.025	Prices: GMO = \$12.00		

Report Date: 11/08/2021

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 Top 30 Harvest Report

Minnesota North Central [MNNC] FOLEY, MN
Roy Schneider, Benton County, MN 56329

Full-Season Test	Maturity Group 1.0 - 1.5 S2021MNNC03b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Mora-Ronneby Complex silt loam, mod. poorly drained, non- irrigated
SOIL CONDITION:	low P, very high K, 6.4 pH, 2.2% OM, 11.0 CEC
TILLAGE/CULTIVATION:	Strip-Till
PEST MANAGEMENT:	Extract, Matador, Makaze, Enginia, Dual Magnum, Fusilade, Choice Trio, Reign, Miravis
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 10 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 7 129.4 /A

TEST COMMENTS:

The plot was planted as a side-by-side test and the yields went down the further into the plot we went. The early season test was so limited on yield that many plots did not register on my scale. Like the corn plot that was right across the road, when it doesn't rain, not much can be done. Thank you to Roy for hosting, he is outstanding to work with. Because of high yield variation from drought stress, the full-season test results were rejected, and the early-season test had negligible yields.

Company/Brand	Product/Brand	Yield ¹	GR	CEC Seed	Yield Bu/A	Moisture %	Logging %	Stand in 2021	Gross Income \$/Acre	Rank
MR Brand	MR14-0803	53	1.4	NS	26.8	14.8	0	129.3	436	1
Golden Harvest	GH1402P	50P	1.4	NS	26.3	14.7	0	129.7	422	2
Agria	AG100P1	50P	1.2	R	26.8	14.7	0	131.0	419	3
Thunder	T100106	50P	1.2	R	26.8	14.8	1	129.7	418	4
Dynagrow	DN1006 (C)	50P	1.2	R	26.8	14.8	0	129.7	417	5
Leforan	L110000	50P	1.2	R	26.7	14.7	0	129.7	408	6
MR Brand	MR14-C160	50P	1.4	R	26.8	14.8	0	129.3	397	7
Dynagrow	DN101000	53	1.2	R	27.2	15.0	0	129.7	396	8
Agria	AG1000	53	1.2	R	27.2	15.0	0	129.7	389	9
Dynagrow	DN10090	50P	1.2	R	27.0	14.9	0	129.3	379	10
Leforan	L110000	53	1.2	R	27.1	14.9	0	129.3	379	11
Agria	AG1000	53	1.2	R	27.1	14.9	0	129.3	379	12
MR	MR1000	53	1.4	NS	27.2	15.0	0	129.3	373	13
Gold Country	GC100P	53	1.2	R	27.1	14.7	0	129.3	371	14
Thunder	T10000	53	1.2	R	26.3	14.3	0	127.7	363	15
Thunder	T10000	53	1.2	R	26.9	14.8	0	129.3	349	16
Thunder	T10000	53	1.2	R	26.7	14.7	0	129.3	343	17
Dynagrow	DN100000	53	1.2	R	26.2	14.8	0	129.3	327	18
Holly	HR100P1	50P	1.4	NS	26.2	14.8	0	129.7	327	19
Leforan	L110000	53	1.2	R	26.2	14.8	0	131.0	326	20
MR	MR1000	53	1.2	R	27.8	14.9	0	129.3	322	21
Thunder	T10000	50P	1.1	R	27.8	15.0	0	129.3	320	22
Dynagrow	DN101000	53	1.4	R	27.2	14.9	0	129.3	320	23
Dynagrow	DN101000	53	1.2	R	27.1	14.7	0	129.3	320	24
Golden Harvest	GH10020P	50P	1.2	R	27.0	14.8	0	129.3	320	25
Dynagrow	DN10090	50P	1.2	R	26.8	14.8	0	129.3	320	26
MR	MR1000	53	1.4	R	26.5	14.8	0	129.7	317	27
Leforan	L110000	53	1.2	R	26.4	14.7	0	129.3	316	28
Holly	HR100P2	50P	1.1	NS	26.4	14.8	0	129.7	316	29
MR	MR1000	53	1.2	R	26.3	14.8	0	129.3	314	30

REJECTED

Averages =	27.3	14.8	0	129.4	323
LSD (0.10) =	6.4	ns	ns		
LSD (0.25) =	3.4	ns	ns		

Ed Dahle

ed.dahle@firstseedtests.com, (507) 456-6624

C.V. = 22.2

Historic yield: 58.26 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$12.00

Report Date: 11/08/2021

† 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

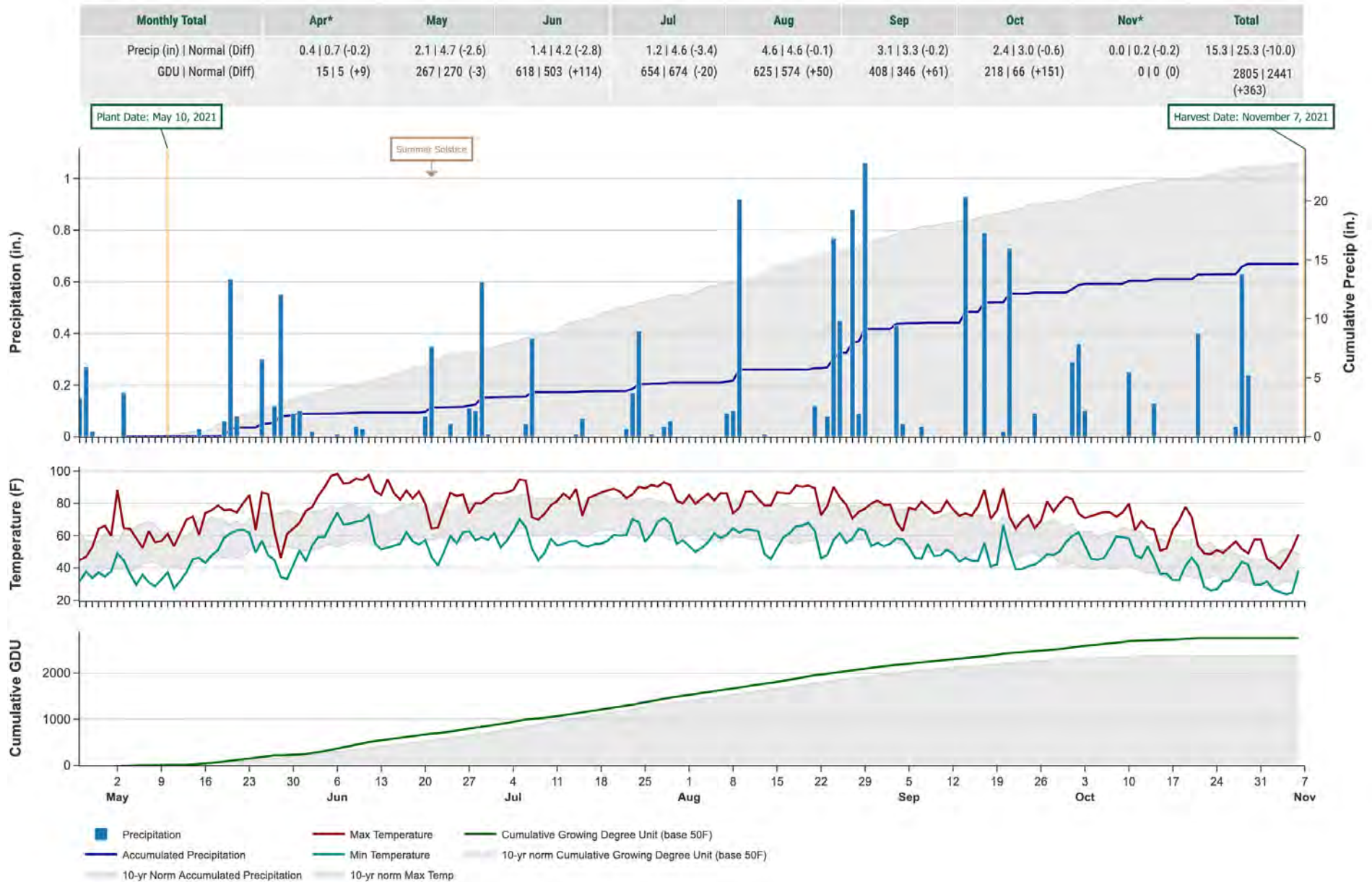
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2021 Soybeans - Minnesota North Central [MNNC]

Weather Conditions Summary at FOLEY, MN

Weather Data Retrieved: 11/08/2021



* 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.

2021 Soybeans - Minnesota North Central [MNNC]

Early-Season Test Products (37 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE0611	E3	R	0.6	CMBV,SA
Apex	AE0720	E3	R	0.7	CMBV,SA
Asgrow	AG09XF0 §	RXF	R	0.9	ACi,IL
Credenz	CZ 0661GTLL	LLGT27	R	0.6	PV,IL,OB
Dahlman	6015XN CK	RRX	R	1.5	IS
Dairyland	DSR-0660E	E3	R	0.6	Lum,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,IL
Dairyland	DSR-1010E	E3	R	1.0	Lum,IL
Dyna-Gro	S07EN61	E3	R	0.7	EQV,SA
Dyna-Gro	S09EN41	E3	R	0.9	EQV,SA
Genesis	G0651E	E3	R	0.6	CMBV,SA
Genesis	G0760E	E3	R	0.7	CMBV,SA
Golden Harvest	GH0749X	RRX	MR	0.7	CMBV,SA
Golden Harvest	GH0822XF §	RXF	R	0.8	CMBV,SA
Golden Harvest	GH0842E3	E3	R	0.8	CMBV,SA
Hefty	H06X8	RRX	MR	0.6	DST4,SA
Hefty	H06XF2	RXF	NA	0.6	DST4,SA
Hefty	H07XF1	RXF	NA	0.7	DST4,SA
Hefty	H08XF2	RXF	NA	0.8	DST4,SA
Latham	L 0728 XF	RXF	R	0.7	SS+,SA
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0984 XF	RXF	R	0.9	SS+,SA
Latham	L 0995 E3	E3	R	0.9	SS+,SA
Loyal	L0640E	E3	R	0.6	CMBV,SA
Loyal	L0740E	E3	R	0.7	CMBV,SA
NK Brand	NK08-B7XF	RXF	R	0.8	CMBV,SA
NK Brand	NK08-V9E3 §	E3	R	0.8	CMBV,SA
Pioneer	P09A53X §	RRX	NA	0.9	Lum,Lu
Stine	09EA02 §	E3	R	0.9	SFI
Thunder	SB8807N	RRX	R	0.7	AM
Thunder	TE7207	E3	S	0.7	AM
Thunder	TX8109N	RXF	R	0.9	AM
Thunder	TX8207N	RXF	R	0.7	AM
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB
Zinesto	Z0602E	E3	NA	0.6	DST4,SA
Zinesto	Z0702E	E3	NA	0.7	DST4,SA

2021 Soybeans - Minnesota North Central [MNNC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1220	E3	R	1.2	CMBV,SA
Apex	AE1420	E3	R	1.4	CMBV,SA
Apex	AE1520	E3	R	1.5	CMBV,SA
Asgrow	AG10XF1 §	RXF	R	1.0	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Credenz	CZ 1171GTLL	LLGT27	MR	1.1	PV,IL,OB
Credenz	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
Dahlman	111E3N GC	E3,ST	R	1.1	IS
Dahlman	6015XN CK	RRX	R	1.5	IS
Dahlman	6815XN GC	RRX	R	1.5	IS
Dairyland	DSR-0920E	E3	R	0.9	Lum,IL
Dairyland	DSR-1290E	E3	R	1.2	Lum,IL
Dairyland	DSR-1318E	E3	R	1.3	Lum,IL
Dairyland	DSR-1450E	E3	R	1.4	Lum,IL
Dyna-Gro	S12XF92	RXF	R	1.2	EQV,SA
Dyna-Gro	S15XF82	RXF	MR	1.5	EQV,SA
Genesis	G1260E	E3	R	1.2	CMBV,SA
Genesis	G1460E	E3	R	1.4	CMBV,SA
Genesis	G1560E	E3	R	1.5	CMBV,SA
Gold Country	1041XF	RXF	R	1.0	ACi,IL
Golden Harvest	GH1032XF	RXF	R	1.0	CMBV,SA
Golden Harvest	GH1442XF	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3	E3	R	1.4	CMBV,SA
Hefty	H11XF2	RXF	NA	1.1	DST4,SA
Hefty	H12XF2	RXF	NA	1.2	DST4,SA
Hefty	H13XF1	RXF	NA	1.3	DST4,SA
Hefty	H14XF1	RXF	NA	1.4	DST4,SA
Latham	L 1219 E3	E3	R	1.2	SS+,SA
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
Latham	L 1392 E3	E3	R	1.3	SS+
Latham	L 1558 E3	E3	R	1.5	SS+,SA
Loyal	L1230ES	E3,ST	R	1.2	CMBV,SA
Loyal	L1240E	E3	R	1.2	CMBV,SA
Loyal	L1440E	E3	R	1.4	CMBV,SA
Loyal	L1540E	E3	R	1.5	CMBV,SA
NK Brand	NK10-W8XF	RXF	R	1.0	CMBV,SA
NK Brand	NK14-C7XF §	RXF	R	1.4	CMBV,SA
NK Brand	NK14-W6E3	E3	MR	1.4	CMBV,SA
Pioneer	P11A44X §	RRX	R	1.1	Lum,Lu,IL
Pioneer	P15A63X §	RRX	NA	1.5	Untreated
Stine	11EC02 §	E3	R	1.1	SFI
Stine	14EE01 §	E3	MR	1.4	Treated

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Thunder	SB8010N	RRX	R	1.0	AM
Thunder	TE7011N	E3	R	1.1	AM
Thunder	TX8211N	RXF	R	1.1	AM
Thunder	TX8215N	RXF	R	1.5	AM
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB
Xitavo	XO 1372E	E3	R	1.3	PV,IL,OB
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB
Zinesto	Z1101E	E3	R	1.1	DST4,SA
Zinesto	Z1202E	E3	NA	1.2	DST4,SA
Zinesto	Z1302E	E3	NA	1.3	DST4,SA
Zinesto	Z1502E	E3	NA	1.5	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
AM	ApronMaxx
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
EQV,SA	Equity VIP, Saltro®
IS	Intego® Suite
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.