

2021 Soybeans Top 30 Performance Summary for Minnesota North Central [MNNC]

Early-Season Test Maturity Group 0.6 - 0.9

Top 30 of 37

S2021MNNCa

For Gross Income (Sorted by Yield), (3) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albany REJECTED	Foley No Results	Royalton	Wendell REJECTED
DAIRYLAND	DSR-0847E ↗	E3	0.8	S	57.3			16.6	5	682	1	32.9		57.3	38.0
LATHAM	L 0984 XF ↗	RXF	0.9	R	50.1			17.2	5	596	3			50.1	38.5
XITAVO	XO 0602E ↗	E3	0.6	R	49.9			16.7	0	594	4	38.1		49.9	41.5
STINE	09EA02 § ↗	E3	0.9	R	49.1			16.5	0	585	5	4		49.1	46.4
DYNA-GRO	S09EN41 ↗	E3	0.9	R	47.6			16.9	0	567	6	3		47.6	37.9
HEFTY	H08XF2 ↗	RXF	0.8	NA	46.6			16.3	0	555	7	2		46.6	4
LATHAM	L 0995 E3 ↗	E3	0.9	R	46.5			16.8	0	554	8	2		46.5	4
ZINESTO	Z0702E ↗	E3	0.7	NA	45.8			17.0	0	545	9	3		45.8	4
DYNA-GRO	S07EN61 ↗	E3	0.7	R	45.2			17.1	0	538	10	2		45.2	5
LOYAL	L0740E ↗	E3	0.7	R	44.5			16.7	0	530	11	3		44.5	4
NK BRAND	NK08-B7XF ↗	RXF	0.8	R	43.8			17.5	0	521	12	3		43.8	4
LATHAM	L 0785 E3 ↗	E3	0.7	R	43.7			16.8	0	520	13	3		43.7	4
ASGROW	AG09XF0 § ↗	RXF	0.9	R	43.5			16.1	0	519	14	3		43.5	4
XITAVO	XO 0731E ↗	E3	0.7	R	43.5			16.8	0	518	15	3		43.5	3
PIONEER	P09A53X § ↗	RRX	0.9	NA	42.5			16.9	0	506	16	3		42.5	4
GOLDEN HARVEST	GH0822XF § ↗	RXF	0.8	R	41.7			16.8	27	496	17	3		41.7	4
GENESIS	G0760E ↗	E3	0.7	R	41.5			17.1	0	494	18	3		41.5	4
CREDENZ	CZ 0661GTLL ↗	LLGT27	0.6	R	41.3			17.6	0	491	19	3		41.3	4
DAIRYLAND	DSR-1010E ↗	E3	1.0	R	41.1			17.0	0	489	20	2		41.1	4
NK BRAND	NK08-V9E3 § ↗	E3	0.8	R	39.9			16.9	0	475	21	2		39.9	4
APEX	AE0720 ↗	E3	0.7	R	38.3			16.3	0	456	22	3		38.3	4
GOLDEN HARVEST	GH0749X ↗	RRX	0.7	MR	37.7			16.5	0	449	23	3		37.7	4
THUNDER	TE7207 ↗	E3	0.7	S	37.5			17.0	0	446	24	3		37.5	4
HEFTY	H07XF1 ↗	RXF	0.7	NA	37.4			16.3	1	446	25	3		37.4	43.1
HEFTY	H06XF2 ↗	RXF	0.6	NA	36.8			16.4	0	438	26	3		36.8	4
THUNDER	TX8109N ↗	RXF	0.9	R	36.5			16.4	0	435	27	3		36.5	46.0
DAIRYLAND	DSR-0660E ↗	E3	0.6	R	36.5			16.5	3	435	28	3		36.5	48.5
GOLDEN HARVEST	GH0842E3 ↗	E3	0.8	R	36.4			16.6	1	434	29	24.9		36.4	43.6
THUNDER	TX8207N ↗	RXF	0.7	R	36.2			16.3	0	431	30			36.2	54.7
LATHAM	L 0728 XF ↗	RXF	0.7	R	36.1			16.5	0	430	31			36.1	44.7
DAHLMAN	6015XN CK	RRX	1.5	R	53.0			17.0	0	631	2			53.0	48.5
					Averages =	41.4	na	na	16.7	1	493	31.3		41.4	44.6
					LSD (0.10) =	7.8	na	na	ns	ns		5.9		7.8	6.2
					LSD (0.25) =	4.1	na	na	ns	ns		3.1		4.1	3.2

Accidentally sprayed with Enlistherbicide
 Damaged by severe drought stress
 No significant difference in varieties

Ed Dahle

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Prev. years average yield for region: 46.15 bu/a, 4 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$12.50

† 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 *There were 2 reps for the site.

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Report Date: 11/08/2021

2021 Soybeans Top 30 Performance Summary for Minnesota North Central [MNNC]

Full-Season Test

Maturity Group 1.0 - 1.5

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S2021MNNCb

For Gross Income (Sorted by Yield), (6) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albany REJECTED	Foley REJECTED	Royalton	Wendell
XITAVO	XO 1372E ↗	E3	1.3	R	61.6			14.4	2	752	1	34.9	26.3	64.5	58.8
ZINESTO	Z1302E ↗	E3	1.3	NA	60.3			14.7	0	733	2	31.8	28.9	67.7	52.8
LATHAM	L 1558 E3 ↗	E3	1.5	R	58.9			14.9	6	717	3	35.5	28.2	63.2	54.5
DAHLMAN	1111E3N GC ↗	E3,ST	1.1	R	58.3			14.6	2	710	4	35.4	23.0	61.1	55.4
DAIRYLAND	DSR-1450E ↗	E3	1.4	R	58.2			14.2	4	707	5	35.4	27.2	67.3	49.0
APEX	AE1520 ↗	E3	1.5	R	57.5			14.6	0	702	6	44.0	35.0	59.2	55.8
XITAVO	XO 1451E ↗	E3	1.4	R	56.1			14.5	1	681	7	35.4	25.0	65.5	46.6
ZINESTO	Z1502E ↗	E3	1.5	NA	55.8			14.6	1	677	8	25.0	35.0	67.6	44.0
ZINESTO	Z1101E ↗	E3	1.1	R	55.5			14.8	1	675	9	35.4	25.0	60.1	50.8
ZINESTO	Z1202E ↗	E3	1.2	NA	54.4			14.9	0	661	11	25.0	25.0	64.4	44.5
STINE	14EE01 § ↗	E3	1.4	MR	54.0			14.8	6	656	12	35.0	35.0	63.6	44.5
THUNDER	TX8215N ↗	RXF	1.5	R	53.9			15.1	0	655	13	35.0	35.0	62.2	45.7
HEFTY	H12XF2 ↗	RXF	1.2	NA	53.2			14.5	5	647	14	35.0	25.0	63.7	42.8
HEFTY	H11XF2 ↗	RXF	1.1	NA	52.9			14.9	4	642	16	35.0	26.4	64.7	41.2
STINE	11EC02 § ↗	E3	1.1	R	52.7			14.7	3	643	15	35.0	25.0	53.2	52.2
GENESIS	G1560E ↗	E3	1.5	R	52.2			14.7	8	634	20	35.0	15.0	61.8	42.6
THUNDER	SB8010N ↗	RRX	1.0	R	52.2			14.0	1	636	17	35.0	25.0	58.4	46.0
GENESIS	G1460E ↗	E3	1.4	R	52.2			14.6	3	634	19	35.0	25.0	58.5	45.8
LATHAM	L 1383 XF ↗	RXF	1.3	R	52.2			14.6	0	635	18	35.0	35.0	57.0	47.3
DAIRYLAND	DSR-1318E ↗	E3	1.3	R	52.2			14.9	2	633	21	25.0	33.1	61.8	42.5
GOLDEN HARVEST	GH1472E3 ↗	E3	1.4	R	52.1			14.4	2	633	22	35.0	25.0	63.5	40.7
DYNA-GRO	S15XF82 ↗	RXF	1.5	MR	51.9			14.7	0	632	23	35.0	35.0	58.4	45.5
LOYAL	L1230ES ↗	E3,ST	1.2	R	51.2			14.5	6	623	24	35.0	25.0	59.4	43.0
HEFTY	H14XF1 ↗	RXF	1.4	NA	51.2			14.5	1	623	25	35.0	25.0	56.4	45.9
PIONEER	P15A63X § ↗	RRX	1.5	NA	51.1			14.3	1	621	26	35.0	25.0	61.3	41.0
LOYAL	L1440E ↗	E3	1.4	R	51.1			14.2	0	620	28	35.0	21.2	64.6	37.6
DAHLMAN	6815XN GC ↗	RRX	1.5	R	51.1			14.9	1	619	30	35.0	34.9	62.4	39.7
NK BRAND	NK14-W6E3 ↗	E3	1.4	MR	51.0			14.5	5	620	27	31.8	36.5	58.6	43.4
DAIRYLAND	DSR-1290E ↗	E3	1.2	R	50.9			14.3	4	620	29	41.0	27.1	58.8	43.1
LOYAL	L1240E ↗	E3	1.2	R	50.8			14.8	0	617	31	36.7	22.9	59.3	42.3
DAHLMAN	6015XN CK	RRX	1.5	R	55.1			14.9	0	667	10		25.9	69.1	41.0
					Averages =	51.6	na	na	14.6	2	627	35.0	27.3	58.9	44.3
					LSD (0.10) =	ns	na	na	ns	ns		6.1	6.4	7.0	7.3
					LSD (0.25) =	ns	na	na	ns	ns		3.2	3.4	3.7	3.8

Accidentally sprayed with Enlistherbicide
 Damaged by severe drought stress

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Prev. years average yield for region: 46.15 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$12.50

† 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 *There were 2 reps for the site.

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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	1111E3N 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.