

2020 Soybeans Top 30 Performance Summary for Minnesota North Central [MNNC]

Early-Season Test

0.6 - 0.9 Day CRM

S2020MNNCa

Top 30 of 27

For Gross Income (Sorted by Yield), (7) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albany REJECTED	Clear Lake *	Royalton *	Wendell
LOYAL	L0830E	E3	0.8	R	47.2			9.5	0	448	1	53.4	40.6	56.1	44.9
GENESIS	G0850E	E3	0.8	R	46.7			9.5	0	443	2	62.9	43.1	44.3	52.7
APEX	AE0810	E3	0.8	R	45.8			9.7	0	435	3	59.5	40.2	50.8	46.4
DAIRYLAND	DSR-0920E	E3	0.9	R	44.6			9.5	0	423	4	58.7	33.4	48.1	52.2
STINE	06EC23 §	E3	0.6	R	44.5			9.6	0	423	5	53.2	35.2	43.9	54.4
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	44.1			9.5	1	419	6	61.3	31.7	54.7	46.0
DAIRYLAND	DSR-0847E	E3	0.8	MR	43.9			9.6	0	417	7	60.6	32.7	56.6	42.5
THUNDER	SB8807N	RRX	0.7	R	42.2			9.5	1	400	8	58.6	32.3	52.7	41.5
LATHAM	L 0982 R2	RR2Y	0.9	R	41.4			9.7	0	393	10	55.5	28.4	48.1	47.6
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	40.0			9.8	0	380	11	55.5	36.8	41.4	41.7
STINE	09EA02 §	E3	0.9	R	39.6			9.6	0	376	12	55.5	31.0	44.3	43.5
PROSEED	EL20-73	E3	0.7	R	39.2			9.4	1	372	13	55.5	34.7	38.3	44.7
DAIRYLAND	DSR-0717E	E3	0.7	S	38.9			9.5	0	369	14	55.5	18.5	48.5	49.7
NK BRAND	S09-3E3	E3	0.9	NA	38.7			9.7	0	368	15	55.5	30.1	43.3	42.8
ASGROW	AG08X0 §	RRX	0.8	R	38.7			9.7	0	368	16	55.5	30.7	44.6	41.0
THUNDER	SB8009N	RRX	0.9	R	38.2			9.5	0	363	17	55.5	28.7	47.5	38.6
THUNDER	TE7107N	E3	0.7	R	38.0			9.6	0	361	18	61.5	30.7	43.4	40.0
PIONEER	P09A53X §	RRX	0.9	NA	36.8			9.5	0	349	19	61.5	21.9	46.5	41.9
ZINESTO	Z0701E	E3	0.7	R	35.9			9.7	0	341	20	55.5	25.9	41.4	40.5
DAIRYLAND	DSR-0645E	E3	0.6	R	35.5			9.5	0	336	21	55.5	27.2	39.6	39.6
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	34.4			9.6	0	327	22	55.5	30.4	34.0	38.8
NK BRAND	S09-D4X §	RRX	0.9	S	33.0			9.7	0	313	23	55.5	17.4	42.6	39.1
CREDENZ	CZ 0419GTLL	LLGT27	0.4	MR	32.7			9.6	1	310	24	55.5	25.9	33.1	39.1
THUNDER	SB8906N	RRX	0.6	R	31.8			9.7	0	302	25	58.0	26.3	33.8	35.2
NK BRAND	S07-Q4X §	RRX	0.7	MR	31.3			9.6	0	297	26	62.5	19.8	40.4	33.6
ZINESTO	Z0601E	E3	0.6	R	29.5			9.7	0	281	27	57.8	17.1	34.0	37.6
				n/a											
				n/a											
				n/a											
				n/a											
STINE	14EB26 CK	E3	1.4	R	41.9			9.9	0	398	9	61.7	38.0	49.9	37.8
				Averages =	39.0	na	na	9.6	0	371		58.4	29.9	44.5	42.7
				LSD (0.10) =	5.1	na	na	ns	ns			5.1	6.8	7.4	6.7
Ed Dahle				LSD (0.25) =	2.7	na	na	ns	ns			2.7	3.5	3.8	3.5

Rejected - not in summary

ed.dahle@firstseedtests.com, (507) 456-6624 Prev. years average yield for region: 47.0 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$9.50

† 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. *There were 2 reps for the site.

2020 Soybeans Top 30 Performance Summary for Minnesota North Central [MNNC]

Full-Season Test

1.0 - 1.5 Day CRM

S2020MNNCb

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For Gross Income (Sorted by Yield), (8) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre Rank	Albany	Clear Lake	Royalton *	Wendell REJECTED	
NK BRAND	S13-E3	E3	1.3	MR	57.5			9.5	0	546	1	61.1	53.7	57.8	45.3
LATHAM	L 1392 E3	E3	1.3	R	54.5			9.5	0	518	2	62.6	49.9	51.1	47.6
DAIRYLAND	DSR-1318E	E3	1.3	R	54.4			9.5	1	517	3	58.7	55.6	48.8	41.3
APEX	AE1300	E3	1.3	R	53.6			9.2	0	509	4	56.9	53.5	50.3	41.8
TITAN PRO	15GL9	LLGT27	1.5	R	53.0			9.6	0	503	5	68.2	56.7	34.0	43.1
ASGROW	AG11X8 §	RRX	1.1	R	52.8			9.5	0	502	6	60.9	52.4	45.0	40.1
LOYAL	L1320E	E3	1.3	R	52.1			9.5	0	495	7	54.6	49.9	51.9	46.7
PIONEER	P11A44X §	RRX	1.1	R	51.8			9.4	0	492	8	68.7	54.8	31.9	44.1
APEX	AE1410	E3	1.4	R	51.1			9.7	1	485	10	61.0	47.6	44.7	42.1
THUNDER	SB8012N	RRX	1.2	R	51.0			9.5	1	485	11	59.7	47.8	45.6	42.1
NK BRAND	S14-U9X	RRX	1.4	MR	51.0			9.5	0	484	13	59.1	46.7	47.1	42.1
ZINESTO	Z1301G	LLGT27	1.3	R	50.9			9.5	0	484	12	59.4	46.6	46.9	42.1
HEFTY	H13X7	RRX	1.3	MR	50.9			9.6	0	484	14	66.3	51.2	35.3	38.3
GENESIS	G1250ES	E3	1.2	R	50.9			9.5	0	483	15	70.0	45.4	37.3	42.7
GENESIS	G1340E	E3	1.3	R	50.8			9.4	1	482	16	55.5	53.0	43.8	42.4
FEDERAL	F1509N	LLGT27	1.5	R	50.6			9.8	5	480	17	61.1	47.3	43.3	38.5
LATHAM	L 1595 E3	E3	1.5	R	50.3			9.3	0	478	18	62.3	53.1	35.7	42.1
PROSEED	EL91-33	E3	1.3	R	50.1			9.5	3	476	19	58.3	43.5	48.4	46.3
THUNDER	TE7011N	E3	1.1	R	49.6			9.5	0	471	20	62.2	45.2	41.5	42.5
NK BRAND	S12-T2X	RRX	1.2	MR	49.5			9.4	0	470	21	60.9	48.2	39.4	42.9
PIONEER	P15A88X §	RRX	1.5	R	49.5			9.7	1	470	23	59.0	51.6	37.9	42.9
DYNA-GRO	S11EN40	E3	1.1	R	49.5			9.4	1	470	22	64.1	47.9	36.5	32.7
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	49.3			9.6	1	469	24	62.6	55.9	29.5	38.3
GOLD COUNTRY	1360X	RRX	1.3	R	48.7			9.5	0	463	25	57.6	50.3	38.3	50.2
DYNA-GRO	S13XT89	RRX	1.3	R	48.6			9.5	0	462	26	48.8	50.4	46.5	49.3
NK BRAND	S15-3E3	E3	1.5	R	48.1			9.7	2	457	27	61.3	53.0	30.0	39.3
LOYAL	L1030E	E3	1.0	R	48.0			9.6	0	456	28	61.9	45.5	36.7	40.7
HEFTY	H11X8	RRX	1.1	MR	48.0			9.5	0	456	29	64.1	28.4	51.5	43.3
PROSEED	EL21-03	E3	1.0	R	47.9			9.6	0	454	30	57.9	48.1	37.6	44.2
APEX	AE1210S	E3	1.2	R	47.9			9.5	2	454	31	59.7	47.8	36.1	41.3
STINE	14EB26 CK	E3	1.4	R	51.6			9.5	4	491	9	54.9	51.6	48.4	45.4

Averages =	48.0	na	na	9.5	1	456	58.7	46.3	39.1	42.8
LSD (0.10) =	ns	na	na	ns	2		6.6	9.3	7.9	6.2
LSD (0.25) =	ns	na	na	ns	1		3.5	4.9	4.1	3.2

Ed Dahle

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Prev. years average yield for region: 47.0 bu/a, 3 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$9.50

† 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. *There were 2 reps for the site.

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2020 Soybeans - Minnesota North Central [MNNC]

Early-Season Test Products (27 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE0810	E3	R	0.8	CMBV,SA
ASGROW	AG08X0 §	RRX	R	0.8	NA
CREDENZ	CZ 0419GTLL	LLGT27	MR	0.4	PV,IL,OB
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DAIRYLAND	DSR-0645E	E3	R	0.6	Lum,Lu,IL
DAIRYLAND	DSR-0717E	E3	S	0.7	Lum,Lu,IL
DAIRYLAND	DSR-0847E	E3	MR	0.8	Lum,Lu,IL
DAIRYLAND	DSR-0920E	E3	R	0.9	Lum,Lu,IL
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
LATHAM	L 0852 LLGT27	LLGT27	S	0.8	SS+
LATHAM	L 0982 R2	RR2Y	R	0.9	SS+
LOYAL	L0830E	E3	R	0.8	CMBV,SA
NK BRAND	S07-Q4X §	RRX	MR	0.7	CMBV,SA
NK BRAND	S09-3E3	E3	NA	0.9	CMBV,SA
NK BRAND	S09-D4X §	RRX	S	0.9	CMBV,SA
PIONEER	P09A53X §	RRX	NA	0.9	NA
PROSEED	EL20-73	E3	R	0.7	NA
STINE	06EC23 §	E3	R	0.6	NA
STINE	09EA02 §	E3	R	0.9	NA
STINE	14EB26 CK	E3	R	1.4	NA
THUNDER	SB8009N	RRX	R	0.9	NA
THUNDER	SB8807N	RRX	R	0.7	NA
THUNDER	SB8906N	RRX	R	0.6	NA
THUNDER	TE7107N	E3	R	0.7	NA
ZINESTO	Z0601E	E3	R	0.6	NA
ZINESTO	Z0701E	E3	R	0.7	NA

2020 Soybeans - Minnesota North Central [MNNC]

Full-Season Test Products (62 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1010	E3	R	1.0	CMBV,SA
APEX	AE1210S	E3	R	1.2	CMBV,SA
APEX	AE1300	E3	R	1.3	CMBV,SA
APEX	AE1410	E3	R	1.4	CMBV,SA
ASGROW	AG11X8 §	RRX	R	1.1	NA
ASGROW	AG14X8 §	RRX	R	1.4	NA
CREDENZ	CZ 1139GTL	LLGT27	MR	1.1	PV,IL,OB
DAIRYLAND	DSR-1032E	E3	R	1.0	Lum,Lu,IL
DAIRYLAND	DSR-1318E	E3	R	1.3	Lum,Lu,IL
DYNA-GRO	S10XT71	RRX	R	1.0	EQV,SA
DYNA-GRO	S11EN40	E3	R	1.1	EQV,SA
DYNA-GRO	S13XT89	RRX	R	1.3	EQV,SA
DYNA-GRO	S14EN90	E3	R	1.4	EQV,SA
FEDERAL	F1401N	E3	R	1.4	Untreated
FEDERAL	F1509N	LLGT27	R	1.5	Untreated
GENESIS	G1050E	E3	R	1.0	CMBV,SA
GENESIS	G1250ES	E3	R	1.2	CMBV,SA
GENESIS	G1340E	E3	R	1.3	CMBV,SA
GENESIS	G1450E	E3	R	1.4	CMBV,SA
GOLD COUNTRY	1360X	RRX	R	1.3	ACi,IL
GOLDEN HARVEST	GH1012E3 §	E3	R	1.0	CMBV,SA
GOLDEN HARVEST	GH1225X	RRX	R	1.2	CMBV,SA
HEFTY	H10X9	RRX	MR	1.0	HCS
HEFTY	H11X8	RRX	MR	1.1	HCS
HEFTY	H13X7	RRX	MR	1.3	HCS
HEFTY	H14X8	RRX	MR	1.4	HCS
LATHAM	L 1085 LLGT27	LLGT27	R	1.0	SS+
LATHAM	L 1094 E3	E3	R	1.0	SS+
LATHAM	L 1392 E3	E3	R	1.3	SS+
LATHAM	L 1429 LLGT27	LLGT27	R	1.4	SS+
LATHAM	L 1482 R2X	RRX	R	1.4	SS+
LATHAM	L 1595 E3	E3	R	1.5	SS+
LG SEEDS	100RX GC	RRX	R	1.0	NA
LG SEEDS	1550RX GC	RRX	R	1.5	NA
LOYAL	L1030E	E3	R	1.0	CMBV,SA
LOYAL	L1320E	E3	R	1.3	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
LOYAL	L1430E	E3	R	1.4	CMBV,SA
NK BRAND	S10-E3	E3	R	1.0	CMBV,SA
NK BRAND	S12-T2X	RRX	MR	1.2	CMBV,SA
NK BRAND	S13-E3	E3	MR	1.3	CMBV,SA
NK BRAND	S14-U9X	RRX	MR	1.4	CMBV,SA
NK BRAND	S15-3E3	E3	R	1.5	CMBV,SA
PIONEER	P11A44X §	RRX	R	1.1	NA
PIONEER	P15A88X §	RRX	R	1.5	NA
PROSEED	EL21-03	E3	R	1.0	NA
PROSEED	EL21-23	E3	R	1.2	NA
PROSEED	EL91-33	E3	R	1.3	NA
RENK	RS149NX GC	RRX	R	1.4	EcTC
RENK	RS150NX GC	RRX	R	1.5	EcTC
STINE	10EC20 §	E3	R	1.0	NA
STINE	14EB26 CK	E3	R	1.4	NA
THUNDER	SB8010N	RRX	R	1.0	NA
THUNDER	SB8012N	RRX	R	1.2	NA
THUNDER	TE7011N	E3	R	1.1	NA
THUNDER	TE7110N	E3	R	1.0	NA
TITAN PRO	13GL0	LLGT27	R	1.3	SA,A,R,G
TITAN PRO	15E0	E3	R	1.5	SA,A,R,G
TITAN PRO	15GL9	LLGT27	R	1.5	SA,A,R,G
ZINESTO	Z1001E	E3	R	1.0	NA
ZINESTO	Z1101E	E3	R	1.1	NA
ZINESTO	Z1301G	LLGT27	R	1.3	NA
ZINESTO	Z1400E	E3	R	1.4	NA

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®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

Soybeans Seed Treatments**

NA	Not Available
ACi,IL	Acceleron Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus
Untreated	No seed treatment

** Seed treatments may include unspecified plant health promoting components.