

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] CLEAR LAKE, MN
A & L Peterson Farms, Inc, Ryan Peterson, Sherburne County, MN 55319

Early-Season Test	0.6 - 0.9 Day CRM S2020MNNC03a
Top 27 of 27	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Hubbard-Mosford Complex loamy sand, well drained, irrigated
SOIL CONDITION:	very high P, very high K, 6.3 pH, 1.7% OM, 10.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Dual Ii Magnum, Dimetric Ext, Flexstar Gt, Roundup Powermax, Superb Hc, Class Act Ng, Interlock, Lorsban Advanced, Cobra, Section Three
Applied N-P-K (units):	19-21-71
SEEDED - RATE - ROW:	May 3 130.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 129.9 /A

TEST COMMENTS:

This was our first bean plot planted early this spring. The plot is very uniform but there was some variability in the yields in the early test. Ryan said that he noted the same variability in the surrounding field. During an August site visit, very little disease pressure was noted. The plants were standing well at harvest with only a few spots of lodging recorded. Due to irrigation not reaching the corner of the plot, 1 rep was removed from the early-season test.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GENESIS	G0850E	E3	0.8	R	43.1	9.0	0	130.0	409	1
LOYAL	L0830E	E3	0.8	R	40.6	8.9	0	129.5	385	2
APEX	AE0810	E3	0.8	R	40.2	9.0	0	130.0	381	3
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	36.8	9.1	0	129.5	350	5
STINE	06EC23 §	E3	0.6	R	35.2	9.0	0	130.0	334	6
PROSEED	EL20-73	E3	0.7	R	34.7	9.0	0	129.0	329	7
DAIRYLAND	DSR-0920E	E3	0.9	R	33.4	9.0	0	130.0	317	8
DAIRYLAND	DSR-0847E	E3	0.8	MR	32.7	9.0	0	131.0	310	9
THUNDER	SB8807N	RRX	0.7	R	32.3	9.0	0	131.0	307	10
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	31.7	8.9	0	128.5	301	11
STINE	09EA02 §	E3	0.9	R	31.0	9.0	0	130.0	294	12
THUNDER	TE7107N	E3	0.7	R	30.7	8.9	0	130.5	292	13
ASGROW	AG08X0 §	RRX	0.8	R	30.7	9.1	0	129.0	291	14
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	30.4	9.0	0	130.0	289	15
NK BRAND	S09-3E3	E3	0.9	NA	30.1	9.0	0	130.0	286	16
THUNDER	SB8009N	RRX	0.9	R	28.7	8.9	0	128.5	272	17
LATHAM	L 0982 R2	RR2Y	0.9	R	28.4	9.1	0	131.0	270	18
DAIRYLAND	DSR-0645E	E3	0.6	R	27.2	8.9	0	128.0	257	19
THUNDER	SB8906N	RRX	0.6	R	26.3	8.9	0	131.0	250	20
ZINESTO	Z0701E	E3	0.7	R	25.9	9.0	0	129.5	246	21
CREDENZ	CZ 0419GTLL	LLGT27	0.4	MR	25.9	8.9	0	130.0	246	22
PIONEER	P09A53X §	RRX	0.9	NA	21.9	9.0	0	130.0	208	23
NK BRAND	S07-Q4X §	RRX	0.7	MR	19.8	9.0	0	131.0	188	24
DAIRYLAND	DSR-0717E	E3	0.7	S	18.5	8.9	0	129.0	175	25
NK BRAND	S09-D4X §	RRX	0.9	S	17.4	9.1	0	129.0	165	26
ZINESTO	Z0601E	E3	0.6	R	17.1	9.1	0	130.0	162	27

STINE	14EB26 CK	E3	1.4	R	38.0	9.0	0	131.0	361	4
-------	-----------	----	-----	---	------	-----	---	-------	-----	---

Averages = **29.9** **9.0** **0** **129.9** **284**

LSD (0.10) = 6.8 0.1 ns

LSD (0.25) = 3.5 0.0 ns

Ed Dahle

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

C.V. = 17.1

Historic yield: 49.0 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$9.50

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] CLEAR LAKE, MN
A & L Peterson Farms, Inc, Ryan Peterson, Sherburne County, MN 55319

Full-Season Test	1.0 - 1.5 Day CRM S2020MNNC03b
Top 30 of 62	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Hubbard-Mosford Complex loamy sand, well drained, irrigated
SOIL CONDITION:	very high P, very high K, 6.3 pH, 1.7% OM, 10.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Dual Ii Magnum, Dimetric Ext, Flexstar Gt, Roundup Powermax, Superb Hc, Class Act Ng, Interlock, Lorsban Advanced, Cobra, Section Three
Applied N-P-K (units):	19-21-71
SEEDED - RATE - ROW:	May 3 130.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 129.8 /A

TEST COMMENTS:

This was our first bean plot planted early this spring. The plot is very uniform but there was some variability in the yields in the early test. Ryan said that he noted the same variability in the surrounding field. During an August site visit, very little disease pressure was noted. The plants were standing well at harvest with only a few spots of lodging recorded. Due to irrigation not reaching the corner of the plot, 1 rep was removed from the early-season test.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
TITAN PRO	15GL9	LLGT27	1.5	R	56.7	8.9	0	129.7	539	1
ASGROW	AG14X8 §	RRX	1.4	R	56.2	8.9	0	129.3	534	2
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	55.9	9.1	0	129.3	531	3
DAIRYLAND	DSR-1318E	E3	1.3	R	55.6	8.9	0	129.7	528	4
PIONEER	P11A44X §	RRX	1.1	R	54.8	9.0	1	130.3	521	5
APEX	AE1010	E3	1.0	R	54.8	9.0	0	131.0	521	6
NK BRAND	S13-E3	E3	1.3	MR	53.7	9.1	1	128.3	510	7
APEX	AE1300	E3	1.3	R	53.5	8.9	0	131.3	508	8
LATHAM	L 1595 E3	E3	1.5	R	53.1	8.9	0	130.0	504	9
GENESIS	G1340E	E3	1.3	R	53.0	9.0	0	129.3	504	10
NK BRAND	S15-3E3	E3	1.5	R	53.0	9.0	3	129.7	504	11
ASGROW	AG11X8 §	RRX	1.1	R	52.4	9.1	0	130.3	498	12
PIONEER	P15A88X §	RRX	1.5	R	51.6	9.2	0	128.3	490	14
HEFTY	H13X7	RRX	1.3	MR	51.2	9.0	0	130.0	486	15
DYNA-GRO	S13XT89	RRX	1.3	R	50.4	9.0	0	130.3	479	16
GOLD COUNTRY	1360X	RRX	1.3	R	50.3	8.9	0	129.3	478	17
LATHAM	L 1392 E3	E3	1.3	R	49.9	9.0	0	130.3	474	18
LOYAL	L1320E	E3	1.3	R	49.9	9.0	1	129.7	474	19
DAIRYLAND	DSR-1032E	E3	1.0	R	49.5	9.1	0	129.3	470	20
THUNDER	SB8010N	RRX	1.0	R	48.6	9.0	0	131.3	462	21
NK BRAND	S12-T2X	RRX	1.2	MR	48.2	9.0	0	130.3	458	22
PROSEED	EL21-03	E3	1.0	R	48.1	9.1	1	129.7	457	23
ZINESTO	Z1001E	E3	1.0	R	48.1	8.9	0	129.7	457	24
DYNA-GRO	S11EN40	E3	1.1	R	47.9	9.0	1	129.3	455	25
THUNDER	SB8012N	RRX	1.2	R	47.8	8.9	0	128.7	454	26
APEX	AE1210S	E3	1.2	R	47.8	9.0	0	129.3	454	27
CREDENZ	CZ 1139GTLL	LLGT27	1.1	MR	47.7	9.2	1	130.3	453	28
APEX	AE1410	E3	1.4	R	47.6	9.0	3	130.0	452	29
RENK	RS150NX GC	RRX	1.5	R	47.4	9.0	0	129.3	450	30
FEDERAL	F1509N	LLGT27	1.5	R	47.3	9.2	0	129.0	449	31
STINE	14EB26 CK	E3	1.4	R	51.6	9.1	1	129.7	490	13
					Averages =	46.3	9.0	0	129.8	439
					LSD (0.10) =	9.3	ns	ns		
					LSD (0.25) =	4.9	ns	ns		
Ed Dahle					C.V. =	19.2	Historic yield: 49.0 bu/a, 2 yr(s)			
ed.dahle@firstseedtests.com, (507) 456-6624										

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$9.50

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.