

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNCC] ROYALTON, MN
Kenny Kasella, Morrison County, MN 56315

Early-Season Test	0.6 - 0.9 Day CRM S2020MNCC01a
Top 27 of 27	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / NA
SOIL DESCRIPTION:	Menahga Loamy Sand loamy sand, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.0 pH, 1.2% OM, 10.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Medal Ec, Sonic, Miravis Neo, Warrior
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 128.3 /A

TEST COMMENTS:

This is a dry land sand site that is also beans on beans. The beans were standing very well at harvest and did combine easily. The weed control was excellent all season. There were some spots of variability in height and yield. Ken said that there were very wet periods followed by dry periods throughout the growing season. Due to raised areas with higher variability in one replicate through both tests, that replicate was dropped.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DSR-0847E	E3	0.8	MR	56.6	9.7	0	127.0	538	1
LOYAL	L0830E	E3	0.8	R	56.1	9.6	0	129.0	532	2
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	54.7	9.5	1	128.5	519	3
THUNDER	SB8807N	RRX	0.7	R	52.7	9.7	1	129.0	500	4
APEX	AE0810	E3	0.8	R	50.8	10.1	0	129.0	483	5
DAIRYLAND	DSR-0717E	E3	0.7	S	48.5	9.7	0	129.5	461	7
LATHAM	L 0982 R2	RR2Y	0.9	R	48.1	10.0	0	128.5	457	8
DAIRYLAND	DSR-0920E	E3	0.9	R	48.1	9.6	0	128.0	457	9
THUNDER	SB8009N	RRX	0.9	R	47.5	9.6	0	128.5	451	10
PIONEER	P09A53X §	RRX	0.9	NA	46.5	9.7	0	127.0	442	11
ASGROW	AG08X0 §	RRX	0.8	R	44.6	9.9	0	129.0	423	12
STINE	09EA02 §	E3	0.9	R	44.3	9.6	0	129.0	420	13
GENESIS	G0850E	E3	0.8	R	44.3	9.6	0	129.0	420	14
STINE	06EC23 §	E3	0.6	R	43.9	9.6	0	127.0	417	15
THUNDER	TE7107N	E3	0.7	R	43.4	9.8	0	128.0	412	16
NK BRAND	S09-3E3	E3	0.9	NA	43.3	10.0	0	127.5	411	17
NK BRAND	S09-D4X §	RRX	0.9	S	42.6	10.0	0	128.0	404	18
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	41.4	10.2	0	129.5	393	19
ZINESTO	Z0701E	E3	0.7	R	41.4	10.1	0	128.5	393	20
NK BRAND	S07-Q4X §	RRX	0.7	MR	40.4	9.7	0	127.0	384	21
DAIRYLAND	DSR-0645E	E3	0.6	R	39.6	9.6	1	127.0	376	22
PROSEED	EL20-73	E3	0.7	R	38.3	9.5	0	129.5	363	23
ZINESTO	Z0601E	E3	0.6	R	34.0	10.0	0	130.0	323	24
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	34.0	9.8	0	127.0	323	25
THUNDER	SB8906N	RRX	0.6	R	33.8	10.1	0	128.5	321	26
CREDENZ	CZ 0419GTLL	LLGT27	0.4	MR	33.1	9.7	0	126.0	314	27
STINE	14EB26 CK	E3	1.4	R	49.9	10.3	0	128.5	474	6
					Averages =	44.5	9.8	0	128.3	423
					LSD (0.10) =	7.4	ns	ns		
					LSD (0.25) =	3.8	ns	ns		
					C.V. =	12.6				
Ed Dahle					Historic yield: 45.1 bu/a, 1 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

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNCC] ROYALTON, MN
Kenny Kasella, Morrison County, MN 56315

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Top 30 of 62	For Gross Income (Sorted by Yield) Average of (2) Replications
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Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S13-E3	E3	1.3	MR	57.8	9.8	0	129.0	549	1
LOYAL	L1320E	E3	1.3	R	51.9	9.9	0	129.0	493	2
HEFTY	H11X8	RRX	1.1	MR	51.5	9.7	0	128.5	489	3
LATHAM	L 1392 E3	E3	1.3	R	51.1	10.0	0	128.5	484	4
APEX	AE1300	E3	1.3	R	50.3	9.7	0	128.0	477	5
DAIRYLAND	DSR-1318E	E3	1.3	R	48.8	10.0	0	128.0	464	6
PROSEED	EL91-33	E3	1.3	R	48.4	9.8	0	128.0	460	8
NK BRAND	S14-U9X	RRX	1.4	MR	47.1	9.7	0	128.5	446	9
ZINESTO	Z1301G	LLGT27	1.3	R	46.9	9.7	0	128.5	446	10
DYNA-GRO	S13XT89	RRX	1.3	R	46.5	9.9	0	128.5	442	11
THUNDER	SB8012N	RRX	1.2	R	45.6	9.9	2	129.5	433	12
GOLDEN HARVEST	GH1225X	RRX	1.2	R	45.2	9.8	0	128.0	429	13
ASGROW	AG11X8 §	RRX	1.1	R	45.0	9.8	0	128.5	428	14
APEX	AE1410	E3	1.4	R	44.7	10.0	0	129.0	424	15
GENESIS	G1340E	E3	1.3	R	43.8	9.6	0	130.0	416	16
FEDERAL	F1509N	LLGT27	1.5	R	43.3	9.9	0	131.0	411	17
GENESIS	G1050E	E3	1.0	R	43.2	9.6	0	128.5	410	18
HEFTY	H10X9	RRX	1.0	MR	42.8	10.0	0	127.0	407	19
DYNA-GRO	S10XT71	RRX	1.0	R	42.4	9.6	0	130.0	403	20
TITAN PRO	15E0	E3	1.5	R	41.8	9.8	0	128.0	397	21
HEFTY	H14X8	RRX	1.4	MR	41.8	10.0	0	128.5	397	22
THUNDER	TE7011N	E3	1.1	R	41.5	9.9	0	128.5	394	23
LATHAM	L 1094 E3	E3	1.0	R	40.8	10.2	0	128.5	388	24
RENK	RS149NX GC	RRX	1.4	R	40.1	9.7	0	130.0	381	25
NK BRAND	S10-E3	E3	1.0	R	39.7	10.1	0	127.5	376	26
STINE	10EC20 §	E3	1.0	R	39.5	9.6	0	128.5	375	27
NK BRAND	S12-T2X	RRX	1.2	MR	39.4	9.8	0	128.0	374	28
DYNA-GRO	S14EN90	E3	1.4	R	38.5	9.9	0	128.0	366	29
CREDENZ	CZ 1139GTLL	LLGT27	1.1	MR	38.5	10.1	0	128.5	366	30
GOLD COUNTRY	1360X	RRX	1.3	R	38.3	10.0	0	129.0	364	31
STINE	14EB26 CK	E3	1.4	R	48.4	9.5	0	129.0	460	7
					Averages =	39.1	9.8	0	128.6	372
					LSD (0.10) =	7.9	ns	ns		
					LSD (0.25) =	4.1	ns	ns		
					C.V. =	15.6				
Ed Dahle					Historic yield: 45.1 bu/a, 1 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.