

Test by: NewVenture, LLC Ellendale, MN

2020 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ALBANY, MN
Mitch Oveman, Stearns County, MN 56381

Early-Season Test	0.6 - 0.9 Day CRM S2020MNNC02a
Top 27 of 27	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Cornerstone, Class Act, Flexstar Gt, Avalanche
SOIL DESCRIPTION:	Waukon Loam loam, well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 7.0 pH, 3.3% OM, 16.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar, Avalanche, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 131.0 /A

TEST COMMENTS:

This site is a very uniform and level. Planting and harvest conditions were near perfect. Mitch said that this year is "1000 times better than last year". He said that the rains were timely and the growing season was generally good. The beans were tall and had lots of full mature pods. During an August site visit, minimum leaf diseases were noted on this bean on bean site. In the early test, the difference between the high and low variety yields was only 12 bpa, so the test was rejected because there were no significant differences among the varieties.

Company/Brand	Product/Brand	Yield	GR	GCN	Yield	Moisture	lodging	Stand	Gross Income	Rank
		bu/a	%	%	bu/a	%	%	bu/a	\$/acre	
STINE	HEARD G	53	5.8	N	53.8	9.7	0	128.3	403	1
GENESIS	GENESIS	53	5.8	N	52.8	9.8	1	128.0	398	2
NE BRAND	507-048 G	55	5.7	N	52.5	9.4	0	128.7	394	3
PIONEER	PIONEER G	55	5.8	N	51.5	9.5	0	131.3	389	5
TRUIST	TRUIST	53	5.7	N	51.3	9.8	0	131.2	382	6
LATHAM	L 580 LUSTRE	54	5	N	51.3	9.5	1	131.7	382	7
GOLDEN HARVEST	GOLDEN	55	5.7	N	51.2	9.7	0	131.3	382	8
NE BRAND	508-048 G	55	5.8	N	51.2	9.8	1	131.3	378	9
DUPONT	DUPONT	53	5.7	N	51.2	9.8	0	131.3	378	10
APES	APES	53	5.8	N	51.2	9.8	0	131.3	368	11
DUPONT	DUPONT	53	5.8	N	51.2	9.8	0	131.3	361	12
DUPONT	DUPONT	53	5.8	N	51.2	9.8	0	131.3	358	13
TRUIST	TRUIST	57	5	N	50.2	9.5	2	130.0	357	14
CRISTINA	CRISTINA	54	5.8	N	50.2	9.8	0	131.3	356	15
TRUIST	TRUIST	54	5.8	N	50.2	9.7	0	132.0	353	16
TRUIST	TRUIST	54	5.8	N	50.2	9.7	0	132.0	351	17
ZINCO	ZINCO	53	5.7	N	50.2	9.8	1	131.7	348	18
LATHAM	L 580 R2	55	5	N	50.4	9.5	0	132.0	345	19
CRISTINA	CRISTINA	57	5	N	50.0	9.4	3	130.7	341	20
ZINCO	ZINCO	57	5	N	50.4	9.8	0	131.7	338	21
DUPONT	DUPONT	57	5	N	50.0	9.5	0	132.0	319	22
NE BRAND	509-048 G	58	5	N	50.0	9.8	1	130.7	318	23
STINE	STINE	53	5.8	N	50.0	9.5	0	130.0	307	24
STINE	STINE	53	5.8	N	50.2	9.5	0	130.0	305	25
AGROVIA	AGROVIA	55	5.8	N	50.2	9.7	0	131.3	408	26
PIONEER	PIONEER	53	5.7	N	51.7	9.7	0	131.0	401	27

REJECTED

Averages =	58.4	9.6	1	131.0	554
LSD (0.10) =	ns	ns	ns		
LSD (0.25) =	ns	ns	ns		
C.V. =	8.3			Historic yield: 51.0 bu/a, 4 yr(s)	

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

Report Date: 10/10/2020

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

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Minnesota North Central [MNNC] ALBANY, MN

Mitch Oveman, Stearns County, MN 56381

Full-Season Test	1.0 - 1.5 Day CRM S2020MNNC02b
Top 30 of 62	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Cornerstone, Class Act, Flexstar Gt, Avalanche
SOIL DESCRIPTION:	Waukon Loam loam, well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 7.0 pH, 3.3% OM, 16.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar, Avalanche, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 131.1 /A

TEST COMMENTS:

This site is a very uniform and level. Planting and harvest conditions were near perfect. Mitch said that this year is "1000 times better than last year". He said that the rains were timely and the growing season was generally good. The beans were tall and had lots of full mature pods. During an August site visit, minimum leaf diseases were noted on this bean on bean site. In the early test, the difference between the high and low variety yields was only 12 bpa, so the test was rejected because there were no significant differences among the varieties.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GENESIS	G1250ES	E3	1.2	R	70.0	9.6	0	131.3	665	1
PIONEER	P11A44X §	RRX	1.1	R	68.7	9.6	0	129.7	653	2
TITAN PRO	15GL9	LLGT27	1.5	R	68.2	10.0	0	130.7	648	3
HEFTY	H13X7	RRX	1.3	MR	66.3	9.7	1	130.7	630	4
THUNDER	TE7110N	E3	1.0	R	64.2	9.7	0	131.7	610	5
DYNA-GRO	S11EN40	E3	1.1	R	64.1	9.8	3	131.3	609	6
HEFTY	H11X8	RRX	1.1	MR	64.1	9.7	1	130.7	609	7
FEDERAL	F1401N	E3	1.4	R	63.8	9.9	0	131.3	606	8
ZINESTO	Z1101E	E3	1.1	R	62.6	9.7	0	131.3	595	9
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	62.6	10.0	1	131.3	595	10
LATHAM	L 1392 E3	E3	1.3	R	62.6	9.6	0	131.0	595	11
NK BRAND	S10-E3	E3	1.0	R	62.4	9.8	0	131.0	593	12
LATHAM	L 1595 E3	E3	1.5	R	62.3	9.0	0	131.5	591	13
THUNDER	TE7011N	E3	1.1	R	62.2	9.5	0	132.3	591	14
LATHAM	L 1482 R2X	RRX	1.4	R	62.1	9.6	3	130.7	590	15
LOYAL	L1030E	E3	1.0	R	61.9	9.8	0	131.3	588	16
NK BRAND	S15-3E3	E3	1.5	R	61.3	10.1	2	131.7	582	17
FEDERAL	F1509N	LLGT27	1.5	R	61.1	10.1	15	131.0	580	18
NK BRAND	S13-E3	E3	1.3	MR	61.1	9.7	0	130.7	580	19
APEX	AE1410	E3	1.4	R	61.0	10.1	0	130.3	580	20
NK BRAND	S12-T2X	RRX	1.2	MR	60.9	9.6	0	131.7	579	21
ASGROW	AG11X8 §	RRX	1.1	R	60.9	9.7	0	132.7	579	22
ZINESTO	Z1400E	E3	1.4	R	60.4	9.0	1	131.5	574	23
DYNA-GRO	S14EN90	E3	1.4	R	60.2	9.7	0	132.0	572	24
APEX	AE1210S	E3	1.2	R	59.7	9.6	6	131.3	567	25
THUNDER	SB8012N	RRX	1.2	R	59.7	9.7	0	131.3	567	26
GENESIS	G1050E	E3	1.0	R	59.4	9.8	0	131.3	564	27
ZINESTO	Z1301G	LLGT27	1.3	R	59.4	10.0	0	131.3	564	28
DYNA-GRO	S10XT71	RRX	1.0	R	59.2	9.6	0	130.3	562	29
NK BRAND	S14-U9X	RRX	1.4	MR	59.1	9.7	0	129.0	561	30
STINE	14EB26 CK	E3	1.4	R	54.9	9.8	10	130.7	522	52
					Averages =	58.7	9.7	1	131.1	558
					LSD (0.10) =	6.6	0.3	3		
					LSD (0.25) =	3.5	0.1	2		
					C.V. =	10.7				
					Historic yield: 51.0 bu/a, 4 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.50

Report Date: 10/10/2020

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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	None
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	None
PROSEED	EL20-73	E3	R	0.7	None
STINE	06EC23 §	E3	R	0.6	None
STINE	09EA02 §	E3	R	0.9	None
STINE	14EB26 CK	E3	R	1.4	None
THUNDER	SB8009N	RRX	R	0.9	None
THUNDER	SB8807N	RRX	R	0.7	None
THUNDER	SB8906N	RRX	R	0.6	None
THUNDER	TE7107N	E3	R	0.7	None
ZINESTO	Z0601E	E3	R	0.6	None
ZINESTO	Z0701E	E3	R	0.7	None

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	None
ASGROW	AG14X8 §	RRX	R	1.4	None
CREDENZ	CZ 1139GTLL	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	None
LG SEEDS	1550RX GC	RRX	R	1.5	None
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	None
PIONEER	P15A88X §	RRX	R	1.5	None
PROSEED	EL21-03	E3	R	1.0	None
PROSEED	EL21-23	E3	R	1.2	None
PROSEED	EL91-33	E3	R	1.3	None
RENK	RS149NX GC	RRX	R	1.4	EcTC
RENK	RS150NX GC	RRX	R	1.5	EcTC
STINE	10EC20 §	E3	R	1.0	None
STINE	14EB26 CK	E3	R	1.4	None
THUNDER	SB8010N	RRX	R	1.0	None
THUNDER	SB8012N	RRX	R	1.2	None
THUNDER	TE7011N	E3	R	1.1	None
THUNDER	TE7110N	E3	R	1.0	None
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	None
ZINESTO	Z1101E	E3	R	1.1	None
ZINESTO	Z1301G	LLGT27	R	1.3	None
ZINESTO	Z1400E	E3	R	1.4	None

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**

ACi,IL	Acceleron Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass, 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.