

Early-Season Test

0.6 - 0.9 Day CRM

S2020RRSOa

Top 30 of 45

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	Breckenridge REJECTED	Litchville	Mooreton	Wheaton No Results
GENESIS	G0690GL	LLGT27	0.6	R	<b>46.8</b>			10.9	0	441	1	24.4	<b>46.6</b>	<b>46.9</b>	
NK BRAND	S09-D4X	RRX	0.9	S	<b>46.7</b>			10.6	2	441	2	15.1	<b>45.5</b>	<b>47.9</b>	
LATHAM	L 0739 R2X	RRX	0.7	R	46.3			9.9	2	436	3	13.8	<b>45.8</b>	46.7	
NK BRAND	S10-E3	E3	1.0	R	46.0			10.3	4	434	4	5.2	<b>45.9</b>	46.0	
THUNDER	SB8807N	RRX	0.7	R	45.3			10.0	0	428	5		44.7	45.9	
RENK	RS100NX	RRX	1.0	R	44.7			10.2	7	422	6		<b>47.0</b>	42.5	
HEFTY	H10X0	RRX	1.0	R	44.6			9.9	0	421	7		<b>47.0</b>	42.2	
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	44.3			10.1	12	419	8		38.7	<b>50.0</b>	
ZINESTO	Z0601E	E3	0.6	R	44.2			9.9	0	417	9		<b>45.4</b>	43.0	
THUNDER	SB8010N	RRX	1.0	R	43.7			10.5	0	413	11		<b>48.0</b>	39.5	
ASGROW	AG08X0 §	RRX	0.8	R	43.2			10.1	1	407	12		41.3	45.1	
ZINESTO	Z1001E	E3	1.0	R	43.0			10.5	8	406	13		42.7	43.3	
THUNDER	TE7110N	E3	1.0	R	42.6			10.2	8	402	14		41.9	43.4	
APEX	AE0810	E3	0.8	R	42.6			10.3	6	402	15		43.9	41.2	
LATHAM	L 1094 E3	E3	1.0	R	42.4			10.3	4	401	16		<b>47.3</b>	37.6	
HEFTY	H09X1	RRX	0.9	R	42.4			10.0	1	400	17		41.1	43.6	
HEFTY	H09X0	RRX	0.9	R	41.9			10.2	4	396	18		44.6	39.2	
GENESIS	G0850E	E3	0.8	R	41.8			10.3	10	394	19		40.4	43.1	
NK BRAND	S07-Q4X §	RRX	0.7	MR	41.6			9.8	3	393	20		40.7	42.6	
HEFTY	H07X0	RRX	0.7	R	41.5			10.3	6	392	21		40.5	42.5	
TITAN PRO	10E0	E3	1.0	R	41.4			10.4	1	391	22		44.1	38.7	
STINE	06EC23 §	E3	0.6	R	41.4			9.9	6	390	23		40.1	42.6	
STINE	09EA02 §	E3	0.9	R	41.3			10.3	16	390	24		38.6	44.0	
STINE	10EC20 §	E3	1.0	R	41.3			10.1	0	389	25		40.4	42.1	
GOLDEN HARVEST	GH1012E3 §	E3	1.0	R	41.2			10.1	0	389	26		<b>47.7</b>	34.7	
DYNA-GRO	S10XT71	RRX	1.0	R	41.2			10.3	1	388	27		43.8	38.5	
DYNA-GRO	S09EN41	E3	0.9	R	41.1			10.3	12	388	28		41.9	40.4	
LATHAM	L 0785 E3	E3	0.7	R	41.1			9.8	27	388	29	29.9	36.6	45.6	
PROSEED	EL21-03	E3	1.0	R	41.0			10.2	4	386	30	16.3	43.4	38.5	
THUNDER	SB8009N	RRX	0.9	R	40.9			10.3	6	385	31	15.7	40.0	41.7	
PIONEER	P11A44X CK	RRX	1.1	R	44.1			10.4	0	416	10	13.8	44.1	44.0	

Rejected due to damage and variability

Lost to hail damage

<b>Averages =</b>	<b>41.7</b>	<b>na</b>	<b>na</b>	<b>10.1</b>	<b>7</b>	<b>393</b>	<b>16.1</b>	<b>42.0</b>	<b>41.4</b>
LSD (0.10) =	ns	na	na	0.4	12		8.6	3.3	5.5
LSD (0.25) =	ns	na	na	0.2	7		4.5	1.7	2.9

Luke Brendemuhl

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Prev. years average yield for region: 43.7 bu/a, 6 yr(s)

**Yield & Income Factors:**

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.00

Prices: GMO = \$

† 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.

Full-Season Test

1.0 - 1.4 Day CRM

S2020RRSOB

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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	Breckenridge REJECTED	Litchville	Mooreton	Wheaton No Results
ASGROW	AG11X8 §	RRX	1.1	R	46.6			10.2	0	440	1	22.3	46.2	47.0	
CREDENZ	CZ 1139GTLL	LLGT27	1.1	MR	46.0			10.9	0	434	2	12.5	47.3	44.7	
ASGROW	AG14X8 §	RRX	1.4	R	45.6			10.9	8	430	3	19.6	45.5	45.6	
NK BRAND	S12-R3	RR2Y	1.2	R	44.3			10.5	1	418	5	11.2	44.9	43.7	
ZINESTO	Z1101E	E3	1.1	R	43.4			10.3	14	410	6	23.2	40.7	46.2	
HEFTY	H14X1	RRX	1.4	R	43.3			11.0	2	409	7	23.2	44.4	42.3	
GENESIS	G1250ES	E3	1.2	R	42.9			10.1	8	405	8	23.2	40.1	45.8	
TITAN PRO	13GL0	LLGT27	1.3	R	42.9			12.1	0	405	9	23.2	44.8	41.0	
ZINESTO	Z1301G	LLGT27	1.3	R	41.8			11.8	0	393	11	23.2	45.3	38.2	
GOLDEN HARVEST	GH1225X	RRX	1.2	R	41.7			10.3	6	394	10	23.2	44.2	39.2	
APEX	AE1210S	E3	1.2	R	41.5			9.9	10	391	12	23.2	37.1	45.8	
CREDENZ	CZ 1331GTLL	LLGT27	1.3	R	41.4			12.3	0	390	13	23.2	45.1	37.7	
NK BRAND	S12-T2X	RRX	1.2	MR	41.1			10.2	0	388	14	23.2	42.6	39.7	
CREDENZ	CZ 1280GTLL	LLGT27	1.2	MR	41.1			10.1	0	388	15	23.2	44.0	38.2	
PROSEED	EL21-23	E3	1.2	R	41.1			10.2	23	387	16	23.2	38.9	43.2	
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	40.4			10.1	10	381	17	23.2	38.1	42.6	
THUNDER	TE7011N	E3	1.1	R	40.2			9.8	3	380	18	23.2	36.9	43.6	
NK BRAND	S14-U9X	RRX	1.4	MR	40.1			10.4	0	378	19	23.2	42.3	37.9	
DYNA-GRO	S11EN40	E3	1.1	R	39.9			10.0	11	376	20	23.2	36.5	43.3	
LATHAM	L 1392 E3	E3	1.3	R	39.6			10.4	9	374	21	23.2	40.6	38.7	
THUNDER	SB8012N	RRX	1.2	R	39.6			9.7	14	373	22	23.2	37.3	41.8	
LATHAM	L 1192 E3	E3	1.1	R	38.7			10.0	3	365	23	23.2	37.0	40.4	
TITAN PRO	13E9	E3	1.3	R	38.0			10.0	24	359	24	23.2	35.7	40.3	
GENESIS	G1340E	E3	1.3	R	38.0			10.1	15	358	25	23.2	37.8	38.1	
LOYAL	L1320E	E3	1.3	R	37.2			10.1	8	351	26	23.2	36.6	37.7	
DYNA-GRO	S14EN90	E3	1.4	R	37.2			11.0	16	350	27	23.2	36.2	38.1	
ZINESTO	Z1401E	E3	1.4	R	36.5			9.8	8	344	28	16.3	33.4	39.6	
THUNDER	TE7013N	E3	1.3	R	36.2			10.3	22	342	29	10.0	33.8	38.6	
NK BRAND	S13-E3 §	E3	1.3	MR	35.2			10.0	25	332	30	24.7	34.6	35.7	
APEX	AE1300	E3	1.3	R	34.7			10.8	36	327	31	9.6	38.2	31.2	
PIONEER	P11A44X CK	RRX	1.1	R	45.4			10.1	0	428	4	16.2	45.6	45.2	

Rejected due to damage and variability

Lost to hail damage

<b>Averages =</b>	<b>40.2</b>	<b>na</b>	<b>na</b>	<b>10.4</b>	<b>10</b>	<b>379</b>	<b>17.4</b>	<b>39.6</b>	<b>40.8</b>
LSD (0.10) =	4.9	na	na	0.8	16		9.7	4.3	4.6
LSD (0.25) =	2.5	na	na	0.4	8		5.1	2.3	2.4

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**2020 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]**

**Early-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE0710	E3	R	0.7	CMBV,SA
APEX	AE0810	E3	R	0.8	CMBV,SA
APEX	AE1010	E3	R	1.0	CMBV,SA
ASGROW	AG08X0 §	RRX	R	0.8	NA
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DYNA-GRO	S09EN41	E3	R	0.9	EQV,SA
DYNA-GRO	S10XT71	RRX	R	1.0	EQV,SA
GENESIS	G0690GL	LLGT27	R	0.6	EcTC
GENESIS	G0750E	E3	R	0.7	CMBV,SA
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GENESIS	G1050E	E3	R	1.0	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
GOLDEN HARVEST	GH1012E3 §	E3	R	1.0	CMBV,SA
HEFTY	H07X0	RRX	R	0.7	HCS
HEFTY	H09X0	RRX	R	0.9	HCS
HEFTY	H09X1	RRX	R	0.9	HCS
HEFTY	H10X0	RRX	R	1.0	HCS
LATHAM	L 0739 R2X	RRX	R	0.7	SS+
LATHAM	L 0785 E3	E3	R	0.7	SS+
LATHAM	L 0852 LLGT27	LLGT27	S	0.8	SS+
LATHAM	L 1085 LLGT27	LLGT27	R	1.0	SS+
LATHAM	L 1094 E3	E3	R	1.0	SS+
LOYAL	L0830E	E3	R	0.8	CMBV,SA
LOYAL	L1030E	E3	R	1.0	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
NK BRAND	S10-E3	E3	R	1.0	CMBV,SA
PIONEER	P11A44X CK	RRX	R	1.1	NA
PROSEED	EL20-73	E3	R	0.7	NA
PROSEED	EL21-03	E3	R	1.0	NA
RENK	RS100NX	RRX	R	1.0	EcTC
STINE	06EC23 §	E3	R	0.6	NA
STINE	09EA02 §	E3	R	0.9	NA
STINE	10EC20 §	E3	R	1.0	NA
THUNDER	SB8009N	RRX	R	0.9	NA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
THUNDER	SB8010N	RRX	R	1.0	NA
THUNDER	SB8807N	RRX	R	0.7	NA
THUNDER	TE7107N	E3	R	0.7	NA
THUNDER	TE7110N	E3	R	1.0	NA
TITAN PRO	10E0	E3	R	1.0	SA,A,R,G
ZINESTO	Z0601E	E3	R	0.6	NA
ZINESTO	Z0701E	E3	R	0.7	NA
ZINESTO	Z0801E	E3	R	0.8	NA
ZINESTO	Z1001E	E3	R	1.0	NA

## 2020 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

### Full-Season Test Products (33 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1210S	E3	R	1.2	CMBV,SA
APEX	AE1300	E3	R	1.3	CMBV,SA
ASGROW	AG11X8 §	RRX	R	1.1	NA
ASGROW	AG14X8 §	RRX	R	1.4	NA
CREDENZ	CZ 1139GTLL	LLGT27	MR	1.1	PV,IL,OB
CREDENZ	CZ 1280GTLL	LLGT27	MR	1.2	PV,IL,OB
CREDENZ	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
CREDENZ	CZ 1470GTLL	LLGT27	MR	1.4	PV,IL,OB
DYNA-GRO	S11EN40	E3	R	1.1	EQV,SA
DYNA-GRO	S14EN90	E3	R	1.4	EQV,SA
GENESIS	G1250ES	E3	R	1.2	CMBV,SA
GENESIS	G1340E	E3	R	1.3	CMBV,SA
GOLDEN HARVEST	GH1225X	RRX	R	1.2	CMBV,SA
HEFTY	H14X1	RRX	R	1.4	HCS
LATHAM	L 1192 E3	E3	R	1.1	SS+
LATHAM	L 1392 E3	E3	R	1.3	SS+
LATHAM	L 1429 LLGT27	LLGT27	R	1.4	SS+
LOYAL	L1320E	E3	R	1.3	CMBV,SA
NK BRAND	S12-R3	RR2Y	R	1.2	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
PIONEER	P11A44X CK	RRX	R	1.1	NA
PROSEED	EL21-23	E3	R	1.2	NA
PROSEED	EL91-33	E3	R	1.3	NA
THUNDER	SB8012N	RRX	R	1.2	NA
THUNDER	TE7011N	E3	R	1.1	NA
THUNDER	TE7013N	E3	R	1.3	NA
TITAN PRO	13E9	E3	R	1.3	SA,A,R,G
TITAN PRO	13GL0	LLGT27	R	1.3	SA,A,R,G
ZINESTO	Z1101E	E3	R	1.1	NA
ZINESTO	Z1301G	LLGT27	R	1.3	NA
ZINESTO	Z1401E	E3	R	1.4	NA

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies\*

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E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

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## Soybeans Seed Treatments\*\*

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NA	Not Available
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus

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