

2021 Soybeans Top 30 Performance Summary for Red River South North Dakota & Minnesota [RRSO]

**Early-Season Test**

**Maturity Group 0.6 - 0.9**

S2021RRSOa

**Top 30 of 44**

For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Kindred	Litchville	Milnor	Wolverton No Results
THUNDER	SB8010N ↗	RRX	1.0	R	71.0			11.2	2	863	1	59.5	<b>81.4</b>	72.0	
INNOTECH	IS0864E3 ↗	E3	0.8	R	70.5			11.8	3	857	2	58.7	75.2	77.5	
STINE	09EA02 § ↗	E3	0.9	R	70.4			11.6	2	856	3	58.8	73.5	<b>78.9</b>	
DAIRYLAND	DSR-0920E ↗	E3	0.9	R	70.3			11.5	0	854	4	53.2	<b>78.9</b>	<b>78.7</b>	
DAIRYLAND	DSR-1010E ↗	E3	1.0	R	69.9			11.5	3	849	7	60.6	70.7	<b>78.3</b>	
THUNDER	TX8109N ↗	RXF	0.9	R	69.8			11.7	2	849	6	54.9	77.5	77.1	
LATHAM	L 1094 E3 ↗	E3	1.0	R	69.8			11.4	1	849	8	<b>60.9</b>	73.2	75.3	
XITAVO	XO 1041E ↗	E3	1.0	R	69.7			11.7	1	847	9	<b>63.6</b>	71.3	74.3	
THUNDER	TX8206N ↗	RXF	0.6	R	69.6			11.5	1	845	10	60.3	75.4	72.9	
THUNDER	TX8207N ↗	RXF	0.7	R	69.0			11.5	1	839	12	59.5	75.8	71.8	
ASGROW	AG09XF0 § ↗	RXF	0.9	R	69.0			11.2	3	839	11	59.0	76.4	71.6	
GENESIS	G0750E ↗	E3	0.7	R	68.6			11.6	5	834	13	59.1	74.1	72.7	
GOLDEN HARVEST	GH0842E3 ↗	E3	0.8	R	68.4			11.4	0	831	14	59.3	73.0	72.8	
APEX	AE0720 ↗	E3	0.7	R	68.3			11.3	1	830	15	58.7	72.3	73.8	
BREVANT	B091EE GC ↗	E3	0.9	S	68.1			11.9	3	828	16	56.1	76.9	71.3	
XITAVO	XO 0731E ↗	E3	0.7	R	68.1			11.5	1	827	17	58.8	67.7	77.7	
THUNDER	SB8807N ↗	RRX	0.7	R	67.9			11.4	8	826	18	56.4	77.8	69.7	
HEFTY	H08XF2 ↗	RXF	0.8	NA	67.8			11.6	4	824	19	54.8	75.9	72.7	
GENESIS	G0760E ↗	E3	0.7	R	67.7			11.3	1	823	20	57.8	70.9	74.4	
NK BRAND	NK08-B7XF ↗	RXF	0.8	R	67.7			11.4	6	823	21	55.8	74.2	73.0	
GENESIS	G0651E ↗	E3	0.6	R	67.4			11.3	2	819	23	52.6	73.3	76.1	
NK BRAND	NK08-V9E3 § ↗	E3	0.8	R	67.3			11.4	0	819	22	51.9	74.6	75.5	
LATHAM	L 0984 XF ↗	RXF	0.9	R	67.2			11.8	2	817	24	50.7	76.0	74.8	
LOYAL	L0740E ↗	E3	0.7	R	67.2			11.3	0	817	25	53.4	72.9	75.2	
ASGROW	AG10XF1 § ↗	RXF	1.0	R	67.1			11.2	2	815	26	56.8	71.2	73.2	
LATHAM	L 0995 E3 ↗	E3	0.9	R	67.0			11.4	2	814	27	58.2	68.4	74.3	
INNOTECH	IS0678E3 ↗	E3	0.6	MR	66.9			11.3	1	813	28	54.7	70.9	75.1	
INNOTECH	IS1022E3 ↗	E3	1.0	R	66.9			11.5	2	813	29	<b>60.7</b>	64.6	75.4	
HEFTY	H07XF1 ↗	RXF	0.7	NA	66.7			11.5	1	810	30	53.1	75.8	71.1	
APEX	AE0611 ↗	E3	0.6	R	66.2			11.5	1	804	31	53.2	71.3	74.1	
CHANNEL	1022RFX CK	RXF	1.0	NA	70.1			11.5	1	853	5	<b>61.0</b>	74.8	74.7	
					<b>Averages =</b>	<b>67.2</b>	<b>na</b>	<b>na</b>	<b>11.5</b>	<b>2</b>	<b>817</b>	<b>56.2</b>	<b>72.0</b>	<b>73.4</b>	
					LSD (0.10) =	ns	na	na	ns	ns		4.5	5.9	4.3	
					LSD (0.25) =	ns	na	na	ns	ns		2.4	3.1	2.2	

Lost to severe iron chlorosis

Luke Brendemuhl

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Prev. years average yield for region: 41.2 bu/a, 7 yr(s)

**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$12.03

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com \*There were 2 reps for the site.

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

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Report Date: 10/20/2021

2021 Soybeans Top 30 Performance Summary for Red River South North Dakota & Minnesota [RRSO]

**Full-Season Test**

**Maturity Group 1.0 - 1.4**

S2021RRSOB

**Top 30 of 43**

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	Kindred	Litchville *	Milnor	Wolverton No Results	
DAIRYLAND	DSR-1290E ↗	E3	1.2	R	<b>75.5</b>			11.0	6	918	1	63.8	<b>86.5</b>	<b>76.2</b>		
DAIRYLAND	DSR-1450E ↗	E3	1.4	R	<b>74.8</b>			11.3	1	909	2	65.3	80.5	<b>78.7</b>		
BREVANT	B141EE § ↗	E3	1.4	MR	<b>74.8</b>			11.3	0	909	3	<b>65.5</b>	82.5	<b>76.4</b>		
ZINESTO	Z1101E ↗	E3	1.1	R	<b>74.6</b>			11.1	2	907	4	<b>67.0</b>	83.0	73.9		
STINE	14EE01 § ↗	E3	1.4	MR	<b>74.2</b>			11.5	3	901	5	<b>69.5</b>	75.6	<b>77.5</b>		
LATHAM	L 1482 R2X ↗	RRX	1.4	R	<b>73.7</b>			11.0	5	896	6	61.9	<b>85.0</b>	<b>74.2</b>		
LOYAL	L1230ES ↗	E3,ST	1.2	R	<b>73.6</b>			11.1	2	895	7	61.5	<b>83.7</b>	<b>75.7</b>		
GOLDEN HARVEST	GH1472E3 § ↗	E3	1.4	R	<b>72.9</b>			11.2	7	885	8	<b>68.7</b>	78.5	71.4		
ZINESTO	Z1302E ↗	E3	1.3	NA	<b>72.7</b>			11.2	3	884	9	61.3	82.6	<b>74.3</b>		
HEFTY	H14XF1 ↗	RXF	1.4	NA	<b>72.7</b>			11.1	1	883	10	62.8	<b>84.2</b>	71.0		
THUNDER	TX8211N ↗	RXF	1.1	R	72.0			11.3	2	875	11	62.7	81.7	71.6		
DAIRYLAND	DSR-1318E ↗	E3	1.3	R	71.5			11.1	5	870	12	60.2	80.2	<b>74.2</b>		
HEFTY	H12XF2 ↗	RXF	1.2	NA	70.7			11.3	1	860	13	60.3	<b>85.6</b>	66.2		
LATHAM	L 1383 XF ↗	RXF	1.3	R	70.5			11.3	1	857	14	63.8	73.0	<b>74.7</b>		
CREDENZ	CZ 1171GTLL ↗	LLGT27	1.1	MR	70.1			11.0	2	852	15	61.8	82.2	66.4		
NK BRAND	NK14-C7XF ↗	RXF	1.4	R	69.6			11.0	7	846	16	61.6	79.6	67.6		
LOYAL	L1440E ↗	E3	1.4	R	69.6			11.2	1	846	17	<b>65.8</b>	72.8	70.2		
XITAVO	XO 1372E ↗	E3	1.3	R	69.3			11.1	3	842	18	62.1	72.0	73.7		
DYNA-GRO	S12XF92 ↗	RXF	1.2	R	69.2			11.2	2	841	19	57.8	82.8	67.0		
APEX	AE1420 ↗	E3	1.4	R	68.9			11.4	5	837	20	64.6	71.0	71.1		
THUNDER	TE7011N ↗	E3	1.1	R	68.8			11.5	0	837	21	61.7	78.7	66.2		
STINE	12EE63 § ↗	E3	1.2	R	68.4			11.4	6	831	23	57.8	75.6	71.8		
ZINESTO	Z1411E ↗	E3	1.4	R	68.4			11.5	7	831	24	63.3	73.1	68.7		
XITAVO	XO 1451E ↗	E3	1.4	R	68.1			11.2	5	828	25	62.3	74.6	67.4		
CREDENZ	CZ 1331GTLL ↗	LLGT27	1.3	R	68.0			11.3	2	826	27	62.4	70.9	70.8		
APEX	AE1410 ↗	E3	1.4	R	68.0			11.9	9	827	26	64.5	72.4	67.2		
GENESIS	G1460E ↗	E3	1.4	R	67.7			11.5	2	823	28	62.7	70.3	70.2		
HEFTY	H13XF1 ↗	RXF	1.3	NA	67.1			11.3	7	815	29	60.9	76.8	63.5		
HEFTY	H11XF2 ↗	RXF	1.1	NA	66.8			11.5	2	812	30	59.9	69.0	71.6		
ASGROW	AG12XF1 § ↗	RXF	1.2	S	66.6			11.1	3	809	31	62.0	69.8	67.9		
CHANNEL	1022RFX CK	RXF	1.0	NA	68.4			11.4	2	832	22	61.3	74.5	69.5		
					<b>Averages =</b>	<b>68.7</b>	<b>na</b>	<b>na</b>	<b>11.3</b>	<b>5</b>	<b>836</b>		<b>61.5</b>	<b>75.3</b>	<b>69.3</b>	
					LSD (0.10) =	4.0	na	na	ns	7			3.8	8.3	4.7	
					LSD (0.25) =	2.1	na	na	ns	3			2.0	4.3	2.5	

Lost to severe iron chlorosis

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Prev. years average yield for region: 41.2 bu/a, 7 yr(s)

**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$12.03

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com \*There were 2 reps for the site.

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

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## 2021 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

### Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE0611	E3	R	0.6	CMBV,SA
Apex	AE0720	E3	R	0.7	CMBV,SA
Asgrow	AG09XF0 §	RXF	R	0.9	ACi,IL
Asgrow	AG10XF1 §	RXF	R	1.0	ACi,IL
Brevant	B061EE GC	E3	MR	0.6	Untreated
Brevant	B091EE GC	E3	S	0.9	Untreated
Channel	0622RXF §	RXF	NA	0.6	ACi,IL
Channel	1022RXF CK	RXF	NA	1.0	ACi,IL
Credeuz	CZ 0661GTLL	LLGT27	R	0.6	PV,IL,OB
Dairyland	DSR-0920E	E3	R	0.9	Lum,IL
Dairyland	DSR-1010E	E3	R	1.0	Lum,IL
Dyna-Gro	S09EN41	E3	R	0.9	EQV,SA
Genesis	G0651E	E3	R	0.6	CMBV,SA
Genesis	G0750E	E3	R	0.7	CMBV,SA
Genesis	G0760E	E3	R	0.7	CMBV,SA
Golden Harvest	GH0842E3	E3	R	0.8	CMBV,SA
Golden Harvest	GH1032XF	RXF	R	1.0	CMBV,SA
Hefty	H06XF2	RXF	NA	0.6	DST4,SA
Hefty	H07XF1	RXF	NA	0.7	DST4,SA
Hefty	H08XF2	RXF	NA	0.8	DST4,SA
Hefty	H10XF1	RXF	NA	1.0	DST4,SA
Innotech	IS0678E3	E3	MR	0.6	Fortify
Innotech	IS0864E3	E3	R	0.8	Fortify
Innotech	IS1022E3	E3	R	1.0	Fortify
Latham	L 0984 XF	RXF	R	0.9	SS+,SA
Latham	L 0995 E3	E3	R	0.9	SS+,SA
Latham	L 1094 E3	E3	R	1.0	SS+,SA
Loyal	L0640E	E3	R	0.6	CMBV,SA
Loyal	L0740E	E3	R	0.7	CMBV,SA
NK Brand	NK08-B7XF	RXF	R	0.8	CMBV,SA
NK Brand	NK08-V9E3 §	E3	R	0.8	CMBV,SA
NK Brand	NK10-W8XF §	RXF	R	1.0	CMBV,SA
Stine	09EA02 §	E3	R	0.9	SFI
Thunder	SB8010N	RRX	R	1.0	AM
Thunder	SB8807N	RRX	R	0.7	AM
Thunder	TE7207	E3	S	0.7	AM
Thunder	TX8109N	RXF	R	0.9	AM
Thunder	TX8206N	RXF	R	0.6	AM
Thunder	TX8207N	RXF	R	0.7	AM
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z0602E	E3	NA	0.6	DST4,SA
Zinesto	Z0702E	E3	NA	0.7	DST4,SA

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## 2021 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

### Full-Season Test Products (43 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1220	E3	R	1.2	CMBV,SA
Apex	AE1410	E3	R	1.4	CMBV,SA
Apex	AE1420	E3	R	1.4	CMBV,SA
Asgrow	AG12XF1 §	RXF	S	1.2	ACi,IL
Brevant	B119EE §	E3	R	1.1	Untreated
Brevant	B141EE §	E3	MR	1.4	Untreated
Channel	1022RXF CK	RXF	NA	1.0	ACi,IL
Credenz	CZ 1171GTLL	LLGT27	MR	1.1	PV,IL,OB
Credenz	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
Dairyland	DSR-1290E	E3	R	1.2	Lum,IL
Dairyland	DSR-1318E	E3	R	1.3	Lum,IL
Dairyland	DSR-1450E	E3	R	1.4	Lum,IL
Dyna-Gro	S12EN72	E3	R	1.2	EQV,SA
Dyna-Gro	S12XF92	RXF	R	1.2	EQV,SA
Genesis	G1260E	E3	R	1.2	CMBV,SA
Genesis	G1460E	E3	R	1.4	CMBV,SA
Golden Harvest	GH1442XF	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3 §	E3	R	1.4	CMBV,SA
Hefty	H11XF2	RXF	NA	1.1	DST4,SA
Hefty	H12XF2	RXF	NA	1.2	DST4,SA
Hefty	H13XF1	RXF	NA	1.3	DST4,SA
Hefty	H14XF1	RXF	NA	1.4	DST4,SA
Innotech	IS1283E3	E3	R	1.2	Fortify
Latham	L 1219 E3	E3	R	1.2	SS+,SA
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
Latham	L 1392 E3	E3	R	1.3	SS+
Latham	L 1429 LLGT27	LLGT27	R	1.4	SS+,SA
Latham	L 1482 R2X	RRX	R	1.4	SS+,SA
Loyal	L1230ES	E3,ST	R	1.2	CMBV,SA
Loyal	L1240E	E3	R	1.2	CMBV,SA
Loyal	L1440E	E3	R	1.4	CMBV,SA
NK Brand	NK14-C7XF	RXF	R	1.4	CMBV,SA
Stine	12EE63 §	E3	R	1.2	SFI
Stine	14EE01 §	E3	MR	1.4	SFI
Thunder	TE7011N	E3	R	1.1	AM
Thunder	TX8211N	RXF	R	1.1	AM
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB
Xitavo	XO 1372E	E3	R	1.3	PV,IL,OB
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB
Zinesto	Z1101E	E3	R	1.1	DST4,SA
Zinesto	Z1202E	E3	NA	1.2	DST4,SA
Zinesto	Z1302E	E3	NA	1.3	DST4,SA
Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z1411E	E3	R	1.4	DST4,SA

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## 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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AM	ApronMaxx
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Lum,IL	LumiGEN™ plus ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SF1	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment

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