

Test by: Southern MN FIRST New Richland, MN

## 2021 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] WINTHROP, MN  
Jim Sallstrom, Sibley County, MN

<b>Early-Season Test</b>	1.5 - 1.8 Day CRM S2021MNSC06a
<b>Top 30 of 52</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Acuron, Glyphosate, Atrazine
<b>SOIL DESCRIPTION:</b>	Nicolet clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very low P, low K, 7.6 pH, 4.9% OM, 29.6 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority First, Metribuzin, Flexstar, Cornerstone Plus, Section Three
<b>FERTILITY - Applied N:</b>	21 Spring
<b>Applied N-P-K (units):</b>	21-0-30
<b>SEEDED - RATE - ROW:</b>	May 7 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 5 122.6 /A

### TEST COMMENTS:

Planting conditions were great, as 1 pass with vertical tillage in the fall, and a 2nd pass in the spring provided a good seedbed. The first vertical replication of both tests was on lower ground, and showed lower yields, possibly from white mold. Jim noted that very tall varieties were laying down in early Sept as a result of the excellent growing season. Jim also noted that Sibley County was not in a drought this year; rains came at the right time and were not excessive.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H18XF2 ↗	RXF	1.8	NA	<b>75.2</b>	12.4	0	124.7	940	1
Pioneer	P18A33X § ↗	RRX	1.8	NA	<b>73.2</b>	12.2	1	124.3	915	2
Genesis	G1760E ↗	E3	1.7	R	<b>72.7</b>	12.2	3	122.0	909	3
Anderson	A151E3 ↗	E3	1.5	NA	<b>72.5</b>	12.5	0	123.0	906	4
LG Seeds	LGS1769XF GC ↗	RXF	1.7	R	69.8	11.8	0	121.0	872	5
Apex	AE1720 ↗	E3	1.7	R	69.8	12.2	1	123.7	872	6
Xitavo	XO 1632E ↗	E3	1.6	R	69.1	12.6	0	122.7	864	7
Asgrow	AG15XF2 § ↗	RXF	1.5	R	69.0	12.0	0	120.7	862	8
Apex	AE1710 ↗	E3	1.7	R	68.8	12.2	0	124.0	860	9
Genesis	G1560E ↗	E3	1.5	R	68.5	12.6	1	123.7	856	10
Anderson	159RXT ↗	RRX	1.5	MR	68.4	12.1	0	121.7	855	11
Apex	AE1520 ↗	E3	1.5	R	68.3	12.4	0	123.0	854	12
Dairyland	DSR-1707E ↗	E3	1.7	R	67.3	12.1	1	122.7	841	13
Hefty	H17XF1 ↗	RXF	1.7	NA	67.2	11.9	1	123.3	840	14
Golden Harvest	GH1802E3 ↗	E3	1.8	R	67.0	11.9	1	121.0	838	15
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	66.9	12.2	0	121.7	836	16
Genesis	G1680GL ↗	LLGT27	1.6	R	66.8	12.0	0	123.3	835	17
Asgrow	AG18XF1 § ↗	RXF	1.8	R	66.2	12.1	0	123.3	828	18
NK Brand	NK17-M2XF ↗	RXF	1.7	R	66.0	12.3	1	122.7	825	19
Latham	L 1784 XF ↗	RXF	1.7	R	65.4	12.1	0	123.3	818	20
Gold Country	1609X ↗	RRX	1.6	R	65.3	12.3	0	123.0	816	21
Xitavo	XO 1761E ↗	E3	1.7	R	65.0	12.1	1	120.7	812	22
Innotech	IS1761E3 ↗	E3	1.7	MR	64.9	13.7	0	123.0	810	23
Loyal	L1540E ↗	E3	1.5	R	64.8	12.6	0	122.7	810	24
Loyal	L1740E ↗	E3	1.7	R	64.5	12.8	4	121.7	806	25
Renk	RS150NX ↗	RRX	1.5	R	64.4	12.2	0	122.7	805	26
Dairyland	DSR-1820E ↗	E3	1.8	R	64.0	12.2	1	121.3	800	27
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	63.8	11.8	0	121.7	798	28
Dahlman	6815XN GC ↗	RRX	1.5	R	63.7	12.4	0	123.0	796	29
Zinesto	Z1802E ↗	E3	1.8	NA	63.0	12.5	0	122.0	788	30
Dahlman	7218XF CK	RXF	1.8	NA	53.8	12.0	5	121.7	672	50
					Averages =	<b>63.9</b>	<b>12.2</b>	<b>1</b>	<b>122.6</b>	<b>798</b>
					LSD (0.10) =	7.5	0.4	ns		
					LSD (0.25) =	3.9	0.2	ns		
					C.V. =	11.1				
					Historic yield: new site					

*Mark Querna*

Mark Querna

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### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$12.50

Report Date: 10/06/2021

† 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

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Test by: Southern MN FIRST New Richland, MN

## 2021 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] WINTHROP, MN  
Jim Sallstrom, Sibley County, MN

<b>Full-Season Test</b>	1.9 - 2.2 Day CRM S2021MNSC06b
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Acuron, Glyphosate, Atrazine
<b>SOIL DESCRIPTION:</b>	Nicolet clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very low P, low K, 7.6 pH, 4.9% OM, 29.6 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority First, Metribuzin, Flexstar, Cornerstone Plus, Section Three
<b>FERTILITY - Applied N:</b>	21 Spring
<b>Applied N-P-K (units):</b>	21-0-30
<b>SEEDED - RATE - ROW:</b>	May 7 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 5 122.5 /A

### TEST COMMENTS:

*Planting conditions were great, as 1 pass with vertical tillage in the fall, and a 2nd pass in the spring provided a good seedbed. The first vertical replication of both tests was on lower ground, and showed lower yields, possibly from white mold. Jim noted that very tall varieties were laying down in early Sept as a result of the excellent growing season. Jim also noted that Sibley County was not in a drought this year; rains came at the right time and were not excessive.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Hefty	H20X7 ↗	RRX	2.0	MR	<b>74.3</b>	12.4	5	122.5	929	1	
Dyna-Gro	S21XF61 ↗	RXF	2.1	R	<b>72.1</b>	13.0	5	123.5	900	2	
Anderson	A200E3 ↗	E3	2.0	NA	<b>71.0</b>	12.3	1	122.0	888	3	
Innotech	IS2089E3 ↗	E3	2.0	MR	<b>70.8</b>	11.6	0	126.0	885	4	
Anderson	217RXT ↗	RRX	2.0	MR	<b>69.8</b>	12.1	0	122.0	872	5	
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	<b>69.7</b>	12.0	7	124.3	871	6	
Asgrow	AG21XF0 § ↗	RXF	2.1	R	<b>69.2</b>	12.5	0	123.0	865	7	
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	67.0	11.8	1	123.3	838	9	
Dairyland	DSR-2040E ↗	E3	2.0	R	66.6	11.8	1	123.0	832	10	
Stine	21EE62 § ↗	E3	2.1	R	66.6	13.5	0	121.7	831	11	
Hefty	H20XF1 ↗	RXF	2.0	NA	66.1	13.1	0	123.5	826	12	
Hefty	H21XF2 ↗	RXF	2.1	NA	65.6	11.8	5	121.0	820	13	
Dairyland	DSR-2030E ↗	E3	1.9	R	65.4	11.9	0	121.3	818	14	
Dyna-Gro	S21EN81 ↗	E3	2.1	R	65.0	12.4	4	124.3	812	15	
Apex	AE2110 ↗	E3	2.1	R	64.4	12.2	2	122.7	805	16	
Dyna-Gro	S19EN21 ↗	E3	1.9	R	64.1	12.0	3	120.7	801	17	
Xitavo	XO 2181E ↗	E3	2.1	R	64.0	11.9	0	124.3	800	18	
Pioneer	P21A28X § ↗	RRX	2.1	R	63.9	11.9	0	124.3	799	19	
Loyal	L2040E ↗	E3	2.0	R	63.7	13.2	7	121.3	796	20	
Loyal	L2130E ↗	E3	2.1	R	63.5	12.3	6	122.7	794	21	
Gold Country	2250XF ↗	RXF	2.2	R	63.3	13.0	0	122.3	791	22	
Golden Harvest	GH2102XF ↗	RXF	2.1	MR	63.0	12.1	6	125.0	788	23	
Loyal	L2240E ↗	E3	2.2	R	63.0	12.3	1	121.3	788	24	
Dairyland	DSR-2112E ↗	E3	2.1	R	62.9	13.0	0	122.7	786	25	
Latham	L 2283 XF ↗	RXF	2.2	R	62.8	13.0	2	123.3	785	26	
Anderson	A2121XF ↗	RXF	2.0	NA	62.7	12.1	3	123.0	784	27	
Federal	F2121N ↗	LLGT27	2.1	R	62.5	12.5	1	120.7	781	28	
Renk	RS219NX ↗	RRX	2.1	R	62.4	12.0	0	123.3	780	29	
Latham	L 2193 E3 ↗	E3	2.1	R	61.9	12.3	7	122.7	774	30	
Latham	L 2184 R2X ↗	RRX	2.1	R	61.7	11.9	5	124.0	771	31	
Dahlman	7218XF CK	RXF	1.8	NA	67.8	12.4	1	121.7	848	8	
					<b>Averages =</b>	<b>62.7</b>	<b>12.4</b>	<b>2</b>	<b>122.5</b>	<b>784</b>	
					<b>LSD (0.10) =</b>	5.8	0.6	ns			
					<b>LSD (0.25) =</b>	3.0	0.3	ns			
					<b>C.V. =</b>	8.8					
					Historic yield: new site						

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### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$12.50

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