

Test by: Southern MN FIRST New Richland, MN

2021 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] LAMBERTON, MN
Ed Iverson, Redwood County, MN 56152

Early-Season Test	1.6 - 1.9 Day CRM S2021MNSO01a
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Ironclad, Incinerate, Aatrix , Stratego Yld, Aquila XI
SOIL DESCRIPTION:	Romnell clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	low P, medium K, 5.9 pH, 3.6% OM, 26.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar, Select, Headline
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 122.7 /A

TEST COMMENTS:

This site had good soil moisture at planting, but below-average rainfall fell through late Aug. Rainfall on 8/28 was accompanied by damaging pea-sized hail and high winds. The crop adjuster estimated 85% defoliation of the bean plants here. Yields that should have been 65 bpa or more, dropped to 50 or less. Harvest samples showed 5-7 % damaged beans. On top of that, Ed noted Dicamba damage from an outside source in late June. The nearest field sprayed with Dicamba was 3/4 mile away, and downwind. The early-season test did not have a significant difference between yields for dicamba-tolerant and non-tolerant varieties, however, the full-season test had significantly different yields and is not reported.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	17EE32 § ↗	E3	1.7	R	55.8	12.6	0	124.3	698	1
Asgrow	AG18XF1 § ↗	RXF	1.8	R	54.1	12.2	0	122.3	676	2
NK Brand	NK18-J7E3 § ↗	E3	1.8	MR	53.4	12.4	1	123.3	668	3
Apex	AE1930 ↗	E3	1.9	R	53.3	12.5	0	123.7	666	4
Xitavo	XO 1822E ↗	E3	1.8	R	53.0	12.6	0	125.7	662	5
Latham	L 1784 XF ↗	RXF	1.7	R	52.7	12.8	0	122.3	659	6
Gold Country	1609X ↗	RRX	1.6	R	52.1	12.6	0	126.0	651	7
Dairyland	DSR-2030E ↗	E3	1.9	R	51.9	12.2	0	122.0	649	8
Dairyland	DSR-1820E ↗	E3	1.8	R	51.7	11.8	0	121.0	645	9
Xitavo	XO 1632E ↗	E3	1.6	R	51.6	12.9	0	121.3	645	10
NK Brand	NK17-M2XF ↗	RXF	1.7	R	51.3	12.3	0	122.7	641	11
Golden Harvest	GH1802E3 ↗	E3	1.8	R	50.8	12.4	0	121.0	635	12
Loyal	L1740E ↗	E3	1.7	R	50.3	12.4	0	122.7	629	13
Zinesto	Z1702E ↗	E3	1.7	NA	50.3	12.9	0	121.3	629	14
Pioneer	P18A33X § ↗	RRX	1.8	NA	50.3	12.6	0	123.0	629	15
Hefty	H16XF2 ↗	RXF	1.6	NA	49.9	12.5	0	120.3	624	16
Anderson	A1821XF ↗	RXF	1.8	NA	49.8	12.9	0	122.7	622	17
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	49.6	12.2	0	124.3	620	18
Dahlman	1215E3N GC ↗	E3	1.5	NA	49.5	12.7	1	122.7	619	19
Federal	F1909N ↗	LLGT27	1.9	R	49.4	12.2	0	123.3	618	20
NK Brand	NK19-Y5E3 ↗	E3	1.9	R	49.3	12.7	1	122.3	616	21
Zinesto	Z1802E ↗	E3	1.8	NA	49.2	12.8	0	122.7	615	22
Apex	AE1720 ↗	E3	1.7	R	49.2	12.6	0	124.3	615	23
Federal	F1920N ↗	RXF	1.9	R	49.0	12.1	3	121.7	612	24
Hefty	H16X1 ↗	RRX	1.6	R	49.0	12.4	0	122.7	612	25
Genesis	G1760E ↗	E3	1.7	R	48.7	12.7	0	123.3	609	26
Gold Country	1531XF ↗	RXF	1.5	R	48.6	12.6	6	125.7	608	27
Latham	L 1758 E3 ↗	E3	1.7	R	48.5	12.6	0	122.3	606	28
Dairyland	DSR-1673E ↗	E3	1.6	R	48.5	12.5	0	121.7	606	29
Hefty	H18XF2 ↗	RXF	1.8	NA	48.3	12.4	0	125.0	604	30
Dahlman	1120E3N CK	E3	2.0	NA	46.7	12.5	0	121.7	584	38
					Averages =	48.5	12.5	1	122.7	607
					LSD (0.10) =	4.3	ns	ns		
					LSD (0.25) =	2.3	ns	ns		
					C.V. =	8.5				
					Historic yield: 66.63 bu/a, 1 yr(s)					

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$12.50; non-GMO = \$14.50

Report Date: 10/11/2021

† 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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