

Test by: MNS Seed Testing, LLC New Richland, MN

2020 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] IRENE, SD
Eric Mellum, Yankton County, SD

All-Season Test	2.1 - 2.8 Day CRM S2020SDSE01
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / 2-4d
SOIL DESCRIPTION:	Clarno-Bonilla loam, moderately drained, non-irrigated
SOIL CONDITION:	medium P, high K, 6.4 pH, 3.4% OM, 20.9 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Authority First, Dual, Marvel, Harass, Clethodim, Miravisneo, Bifentherin
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 117.3 /A

TEST COMMENTS:

This field was not planted last year because of the wet conditions. We good planting conditions on May 12, and some wetter conditions thru June. The weed control was good all year. The harvest was dry and dusty. We were able to start harvest by 9 am and by 11 am the plot dried our more and we started shelling at the head on the last third of the field. Dicamba drift was noticed in June and cupped the conventional soybeans planted in the field around the plot. The drift made the Xtend beans in the plot easy to spot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
STINE	19GB62 §	LLGT27	1.9	R	65.6	8.8	3	117.0	623	1
LATHAM	L 2549 R2X	RRX	2.5	R	65.2	8.9	3	118.0	619	2
ZINESTO	Z2101E	E3	2.1	R	64.7	9.0	4	119.0	615	3
HEFTY	H23X0	RRX	2.3	R	64.5	8.8	1	114.7	613	4
APEX	AE2110	E3	2.1	R	64.5	9.0	5	118.0	613	5
ASGROW	AG21X9 §	RRX	2.1	R	63.9	8.8	1	118.7	607	6
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	63.4	8.9	1	115.7	602	7
LOYAL	L2130E	E3	2.1	R	62.6	9.1	5	117.3	595	8
ZINESTO	Z2101G	LLGT27	2.1	R	62.4	8.9	3	118.7	593	9
APEX	AE2800	E3	2.8	R	62.2	8.9	3	115.7	591	10
ASGROW	AG26X8 §	RRX	2.6	R	62.1	8.8	6	115.0	590	11
NK BRAND	S21-W8X §	RRX	2.1	R	62.1	8.9	2	118.0	590	12
LATHAM	L 2894 E3	E3	2.8	R	62.0	9.1	8	119.7	589	13
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	61.9	8.9	3	120.0	588	14
HEFTY	H28X8	RRX	2.8	R	61.8	9.0	4	116.0	587	15
GENESIS	G2350E	E3	2.3	R	61.8	9.0	3	118.7	587	16
LATHAM	L 2395 LLGT27	LLGT27	2.3	R	61.3	9.1	3	117.7	582	17
GENESIS	G2150E	E3	2.1	R	61.1	9.4	2	120.7	580	18
RENK	RS280NX	RRX	2.8	R	60.9	8.9	4	115.0	579	19
GOLDEN HARVEST	GH2788X	RRX	2.7	R	60.6	9.2	5	114.0	576	20
NK BRAND	S23-G5X	RRX	2.3	MR	60.5	9.2	7	117.0	575	21
GOLDEN HARVEST	GH2552X §	RRX	2.5	MR	59.9	8.9	4	118.7	569	22
GENESIS	G2550E	E3	2.5	R	59.9	8.9	4	116.0	569	23
ASGROW	AG27X0 §	RRX	2.7	R	59.7	8.8	6	115.7	567	24
TITAN PRO	28E8	E3	2.8	R	59.1	8.9	2	118.0	561	25
PIONEER	P21A28X GC	RRX	2.1	R	58.8	9.0	6	118.0	559	26
DYNA-GRO	S27EN89	E3	2.7	R	58.7	9.0	6	118.0	558	27
LATHAM	L 2379 E3	E3	2.3	R	58.6	9.1	6	116.7	557	28
APEX	AE2510	E3	2.5	R	58.5	9.0	4	119.3	556	29
HEFTY	H25X8	RRX	2.5	MR	58.2	8.8	3	118.0	553	30



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Averages = **59.0** **9.0** **4** **117.3** **561**

LSD (0.10) = 4.7 ns ns

LSD (0.25) = 2.5 ns ns

C.V. = 7.6

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.05 Prices: GMO = \$9.50

2020 Soybeans - South Dakota Southeast [SDSE]

All-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE2110	E3	R	2.1	CMBV,SA
APEX	AE2310	E3	R	2.3	CMBV,SA
APEX	AE2510	E3	R	2.5	CMBV,SA
APEX	AE2611	E3	R	2.6	CMBV,SA
APEX	AE2800	E3	R	2.8	CMBV,SA
ASGROW	AG21X9 §	RRX	R	2.1	NA
ASGROW	AG26X8 §	RRX	R	2.6	NA
ASGROW	AG27X0 §	RRX	R	2.7	NA
CREDENZ	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
CREDENZ	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
CREDENZ	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
CREDENZ	CZ 2830GTLL	LLGT27	R	2.8	PV,IL,OB
DYNA-GRO	S25XT99	RRX	R	2.5	EQV,SA
DYNA-GRO	S27EN89	E3	R	2.7	EQV,SA
DYNA-GRO	S28XT58	RRX	R	2.8	EQV,SA
GENESIS	G2150E	E3	R	2.1	CMBV,SA
GENESIS	G2350E	E3	R	2.3	CMBV,SA
GENESIS	G2550E	E3	R	2.5	CMBV,SA
GOLDEN HARVEST	GH2329X	RRX	MR	2.3	CMBV,SA
GOLDEN HARVEST	GH2552X §	RRX	MR	2.5	CMBV,SA
GOLDEN HARVEST	GH2788X	RRX	R	2.7	CMBV,SA
HEFTY	H23X0	RRX	R	2.3	HCS
HEFTY	H25X0	RRX	R	2.5	HCS
HEFTY	H25X8	RRX	MR	2.5	HCS
HEFTY	H28X8	RRX	R	2.8	Untreated
HOEGEMEYER	2245 E	E3	R	2.2	Lum,Lu,IL
HOEGEMEYER	2540 E	E3	R	2.5	Lum,Lu,IL
HOEGEMEYER	2660 E	E3	R	2.6	Lum,Lu,IL
LATHAM	L 2379 E3	E3	R	2.3	SS+
LATHAM	L 2395 LLGT27	LLGT27	R	2.3	SS+
LATHAM	L 2549 R2X	RRX	R	2.5	SS+
LATHAM	L 2578 LLGT27	LLGT27	R	2.5	SS+
LATHAM	L 2638 E3	E3	R	2.6	SS+
LATHAM	L 2839 LLGT27	LLGT27	R	2.8	SS+
LATHAM	L 2887 R2X	RRX	R	2.8	SS+
LATHAM	L 2894 E3	E3	R	2.8	SS+

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
LOYAL	L2130E	E3	R	2.1	CMBV,SA
NK BRAND	S21-W8X §	RRX	R	2.1	CMBV,SA
NK BRAND	S23-G5X	RRX	MR	2.3	CMBV,SA
NK BRAND	S25-V8X §	RRX	MR	2.5	CMBV,SA
PIONEER	P21A28X GC	RRX	R	2.1	NA
RENK	RS248NX	RRX	R	2.4	EcTC,SA
RENK	RS250NX	RRX	R	2.5	EcTC,SA
RENK	RS280NX	RRX	R	2.8	EcTC,SA
STINE	19EA32 §	E3	R	1.9	NA
STINE	19GB62 §	LLGT27	R	1.9	NA
STINE	24EA12 §	E3	R	2.4	NA
TITAN PRO	21E0	E3	R	2.1	SA,A,R,G
TITAN PRO	28E8	E3	R	2.8	SA,A,R,G
ZINESTO	Z2101E	E3	R	2.1	NA
ZINESTO	Z2101G	LLGT27	R	2.1	NA
ZINESTO	Z2401E	E3	R	2.4	NA
ZINESTO	Z2501E	E3	R	2.5	NA
ZINESTO	Z2701E	E3	R	2.7	NA

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®
RRX	Roundup Ready 2 Xtend®

Soybeans Seed Treatments**

NA	Not Available
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Motivo®, 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.