

# 2020 Soybeans Top 30 Performance Summary for Iowa Northwest [IANW]



Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

## Early-Season Test

### 1.9 - 2.4 Day CRM

S2020IANWa

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For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albert City	Boyden	Galva	Hartley
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	<b>66.3</b>	33.1	<b>20.5</b>	10.0	0	626	1	69.6	74.5	<b>68.9</b>	<b>52.1</b>
CROPLAN	CP2128X GC	RRX	2.1	R	<b>66.3</b>	34.2	20.0	10.0	0	626	2	<b>71.3</b>	77.8	63.5	<b>52.4</b>
FS HISOY	HS 24X80	RRX	2.4	R	<b>66.2</b>	34.2	19.1	10.1	0	625	3	63.1	78.3	<b>65.3</b>	<b>58.0</b>
NK BRAND	S21-W8X §	RRX	2.1	R	66.1	33.9	<b>20.5</b>	10.0	0	625	4	66.6	<b>81.5</b>	62.9	<b>53.4</b>
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	65.9	33.8	<b>20.4</b>	10.4	0	623	6	65.0	74.9	64.5	<b>59.4</b>
FS HISOY	HS 22X00	RRX	2.2	R	65.9	33.0	<b>20.7</b>	10.0	0	623	7	<b>77.5</b>	77.5	61.9	46.7
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	65.5	33.1	<b>20.4</b>	10.3	0	619	8	66.2	<b>80.4</b>	<b>65.5</b>	49.8
GENESIS	G2190GL	LLGT27	2.1	R	65.4	33.8	19.8	10.3	0	618	9	<b>72.5</b>	<b>78.9</b>	63.4	46.9
APEX	AE2110	E3	2.1	R	65.1	32.9	20.1	10.3	0	615	10	69.4	77.4	64.2	49.3
HEFTY	H23X0	RRX	2.3	R	65.1	33.7	20.1	10.4	0	615	11	<b>71.3</b>	74.5	62.4	<b>52.0</b>
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	65.0	34.2	20.1	10.2	0	615	12	62.8	<b>79.0</b>	63.0	<b>55.3</b>
LATHAM	L 2295 R2X	RRX	2.2	R	64.9	<b>34.6</b>	19.7	9.9	0	614	13	<b>72.4</b>	75.7	59.9	<b>51.7</b>
NK BRAND	S23-G5X	RRX	2.3	MR	64.8	<b>34.6</b>	20.0	10.1	0	613	14	64.8	75.0	<b>65.9</b>	<b>53.6</b>
HEFTY	H23X9	RRX	2.3	MR	64.5	33.5	<b>20.5</b>	10.3	0	610	15	<b>71.5</b>	74.6	60.9	<b>51.1</b>
ZINESTO	Z2101G	LLGT27	2.1	R	64.5	33.2	<b>20.5</b>	10.4	0	609	16	68.5	<b>79.9</b>	63.9	45.6
HEFTY	H24X8	RRX	2.4	MR	63.9	<b>34.7</b>	20.1	10.6	0	604	17	68.2	77.5	<b>64.9</b>	45.1
RENK	RS248NX	RRX	2.4	R	63.9	<b>35.1</b>	19.2	10.6	0	604	18	69.5	71.4	64.6	50.1
ZINESTO	Z2001E	E3	2.0	R	63.3	33.4	20.2	10.2	0	598	19	61.0	<b>79.7</b>	63.5	48.8
GENESIS	G2150E	E3	2.1	R	63.2	32.9	20.1	10.4	0	598	20	<b>72.5</b>	72.7	62.1	45.6
GENESIS	G1950E	E3	1.9	R	63.2	32.8	20.0	10.0	0	597	21	66.8	76.2	61.1	48.7
CREDENZ	CZ 2040GTLL	LLGT27	2.0	R	63.2	<b>34.5</b>	19.8	10.2	0	597	22	68.7	76.2	60.2	47.6
LATHAM	L 2184 R2X	RRX	2.1	R	63.2	<b>34.5</b>	19.5	10.2	0	597	23	64.5	<b>79.2</b>	61.2	47.8
TITAN PRO	21E0	E3	2.1	R	63.1	33.2	<b>20.3</b>	10.3	0	596	24	67.2	74.0	62.3	48.9
STINE	19EC32 §	E3	1.9	R	62.9	32.7	20.2	10.1	0	595	25	67.4	76.3	62.6	45.4
LOYAL	L2130E	E3	2.1	R	62.5	33.4	20.0	10.4	0	591	26	64.3	76.7	61.0	48.0
LATHAM	L 2228 R2	RR2Y	2.2	R	62.4	33.2	19.9	10.1	0	590	27	69.8	70.0	63.0	46.9
FS HISOY	HS 21X90	RRX	2.1	R	62.3	33.6	19.5	10.1	0	589	28	60.8	76.8	<b>64.8</b>	46.7
LATHAM	L 2395 LLGT27	LLGT27	2.3	R	62.2	34.3	19.8	10.5	0	588	29	<b>70.7</b>	70.4	62.2	45.7
HOEGEMEYER	2245 E	E3	2.2	R	62.0	<b>34.4</b>	19.8	10.3	0	586	30	68.1	76.3	57.1	46.6
APEX	AE1910	E3	1.9	R	61.6	33.0	19.6	10.0	0	582	31	69.1	68.4	61.3	47.6
CROPLAN	CP2400X CK	RRX	2.4	R	66.0	34.2	19.8	10.6	0	624	5	67.5	<b>81.1</b>	<b>67.1</b>	48.5

*Corey Rozenboom*

<b>Averages =</b>	<b>63.0</b>	<b>33.8</b>	<b>19.9</b>	<b>10.3</b>		<b>595</b>	<b>66.5</b>	<b>75.1</b>	<b>62.1</b>	<b>48.3</b>
LSD (0.10) =	3.2	0.6	0.4	0.4	ns		3.9	3.4	2.6	2.6
LSD (0.25) =	1.7	0.3	0.2	0.2	ns		2.0	1.8	1.4	1.4

Corey Rozenboom

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Prev. years average yield for region: 61.4 bu/a, 8 yr(s)

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

† 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.

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Report Date: 02/12/2021 Revised: 05/12/2021 CORRECTED protein and oil values and statistics due to lab analysis calibration issue.

# 2020 Soybeans Top 30 Performance Summary for Iowa Northwest [IANW]



## Full-Season Test

### 2.5 - 2.8 Day CRM

S2020IANWb

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For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Albert City	Boyden	Galva	Hartley
KRUGER	K2X-2673	RRX	2.6	R	<b>65.9</b>	33.8	19.3	10.2	0	622	1	<b>69.4</b>	<b>79.5</b>	<b>66.6</b>	<b>47.9</b>
NK BRAND	S27-M8X §	RRX	2.7	R	<b>65.7</b>	33.8	19.8	10.3	0	621	2	<b>65.8</b>	<b>82.9</b>	<b>67.1</b>	<b>47.1</b>
GOLDEN HARVEST	GH2788X	RRX	2.7	R	<b>65.2</b>	33.8	19.8	10.4	0	616	3	<b>67.1</b>	<b>80.5</b>	<b>66.5</b>	46.7
CREDENZ	CZ 2760GTLL	LLGT27	2.7	R	<b>64.4</b>	33.5	19.8	11.4	0	608	4	<b>70.2</b>	<b>79.9</b>	62.7	44.7
HOEGEMEYER	2660 E	E3	2.6	R	<b>64.2</b>	33.4	19.8	10.8	0	607	5	<b>63.0</b>	<b>82.0</b>	<b>65.6</b>	46.5
NK BRAND	S28-E3	E3	2.8	MR	63.1	33.2	<b>20.0</b>	11.3	0	596	6	<b>68.3</b>	76.9	62.9	44.3
LATHAM	L 2638 E3	E3	2.6	R	62.6	33.5	19.4	11.4	0	592	7	<b>64.3</b>	<b>78.5</b>	60.5	<b>47.1</b>
TITAN PRO	25E0	E3	2.5	R	62.4	<b>34.5</b>	18.8	11.1	0	590	9	60.2	<b>81.2</b>	59.8	<b>48.4</b>
LATHAM	L 2549 R2X	RRX	2.5	R	61.9	34.4	19.1	10.2	0	585	10	<b>67.3</b>	75.0	54.8	<b>50.6</b>
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	61.5	<b>34.8</b>	19.0	10.7	0	581	11	<b>63.0</b>	77.2	59.8	45.9
CREDENZ	CZ 2830GTLL	LLGT27	2.8	R	61.5	34.3	18.7	11.2	0	581	12	57.7	75.6	<b>67.7</b>	44.9
FS HISOY	HS 27X90	RRX	2.7	R	61.2	33.2	19.8	11.5	0	578	13	54.0	<b>81.5</b>	63.9	45.3
APEX	AE2610	E3	2.6	R	61.1	33.9	19.2	11.1	0	577	14	59.7	<b>79.9</b>	58.1	46.6
RENK	RS280NX	RRX	2.8	R	60.8	33.8	19.3	11.9	0	575	15	52.3	<b>83.0</b>	64.1	44.0
APEX	AE2800	E3	2.8	R	60.8	33.9	19.9	11.2	0	575	16	54.7	<b>81.9</b>	62.4	44.1
PIONEER	P27A17X §	RRX	2.7	R	60.7	33.5	<b>20.1</b>	11.0	0	574	17	60.1	69.4	<b>67.0</b>	46.5
TITAN PRO	28E8	E3	2.8	R	60.5	33.6	19.7	11.1	0	572	18	53.0	<b>78.7</b>	62.2	<b>47.9</b>
STINE	26EB23 §	E3	2.6	R	59.9	33.1	<b>20.0</b>	11.0	0	566	19	62.3	75.4	60.1	41.8
ZINESTO	Z2501E	E3	2.5	R	59.6	34.3	19.5	10.7	0	563	20	62.4	76.7	58.2	41.0
PIONEER	P25T09E GC	E3	2.5	R	59.5	<b>34.9</b>	19.4	11.3	0	563	21	57.1	71.0	<b>65.6</b>	44.3
GENESIS	G2550E	E3	2.5	R	59.5	33.6	<b>20.5</b>	10.6	0	562	22	<b>62.7</b>	74.0	57.7	43.5
CHANNEL	2820R2X GC	RRX	2.8	NA	59.1	33.7	19.1	10.6	0	559	23	56.5	72.1	63.3	44.6
STINE	27EC20 §	E3	2.7	R	59.1	33.0	19.9	10.9	0	558	24	62.0	66.4	62.8	45.2
ASGROW	AG26X8 §	RRX	2.6	R	59.0	34.0	19.7	11.1	0	558	25	<b>63.6</b>	69.9	59.7	42.9
LATHAM	L 2839 LLGT27	LLGT27	2.8	R	59.0	32.7	19.6	11.6	0	558	26	54.1	74.4	<b>66.4</b>	41.2
ASGROW	AG27X0 §	RRX	2.7	R	58.7	33.9	19.3	10.7	0	555	27	55.0	71.4	61.5	46.9
HEFTY	H25X8	RRX	2.5	MR	58.4	34.3	19.6	11.0	0	552	28	60.1	69.3	59.4	44.7
PIONEER	P28T14E GC	E3	2.8	R	58.3	33.5	19.4	11.4	0	550	29	54.3	73.9	59.4	45.4
FS HISOY	25E00	E3	2.5	R	58.2	33.7	<b>20.4</b>	10.8	0	550	30	59.3	71.7	57.8	44.0
PIONEER	P25A04X GC	RRX	2.5	R	58.1	33.6	19.5	10.8	0	550	31	58.2	71.8	56.8	45.8
CROPLAN	CP2400X CK	RRX	2.4	R	62.5	<b>34.5</b>	19.4	10.6	0	591	8	<b>64.4</b>	<b>78.5</b>	59.9	<b>47.3</b>

	<b>Averages =</b>	<b>60.0</b>	<b>33.8</b>	<b>19.5</b>	<b>10.9</b>	<b>0</b>	<b>566</b>	<b>59.3</b>	<b>74.3</b>	<b>61.1</b>	<b>45.0</b>
	LSD (0.10) =	3.5	0.7	0.5	0.6	ns		3.2	3.6	3.1	2.0
	LSD (0.25) =	1.8	0.4	0.2	0.3	ns		1.7	1.9	1.6	1.1

corey.rozenboom@firstseedtests.com, (319) 830-8886 Prev. years average yield for region: 61.4 bu/a, 8 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$9.45

† 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.

## 2020 Soybeans - Iowa Northwest [ IANW ]

### Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
CROPLAN	CP2400X CK	RRX	R	2.4	Untreated
GOLDEN HARVEST	GH1915X §	RRX	R	1.9	CMBV,SA
CROPLAN	CP2128X GC	RRX	R	2.1	W
FS HISOY	HS 24X80	RRX	R	2.4	ACi,SA,B-200
NK BRAND	S21-W8X §	RRX	R	2.1	CMBV,SA
CREDENZ	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
FS HISOY	HS 22X00	RRX	R	2.2	ACi,SA
CREDENZ	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
GENESIS	G2190GL	LLGT27	R	2.1	EcTC,SA
APEX	AE2110	E3	R	2.1	CMBV,SA
HEFTY	H23X0	RRX	R	2.3	HCS
GOLDEN HARVEST	GH2329X	RRX	MR	2.3	CMBV,SA
LATHAM	L 2295 R2X	RRX	R	2.2	SS+
NK BRAND	S23-G5X	RRX	MR	2.3	CMBV,SA
HEFTY	H23X9	RRX	MR	2.3	HCS
ZINESTO	Z2101G	LLGT27	R	2.1	DST
HEFTY	H24X8	RRX	MR	2.4	HCS
RENK	RS248NX	RRX	R	2.4	EcTC,SA
ZINESTO	Z2001E	E3	R	2.0	DST
GENESIS	G2150E	E3	R	2.1	CMBV,SA
GENESIS	G1950E	E3	R	1.9	CMBV,SA
CREDENZ	CZ 2040GTLL	LLGT27	R	2.0	PV,IL,OB
LATHAM	L 2184 R2X	RRX	R	2.1	SS+
TITAN PRO	21E0	E3	R	2.1	SA,A,R,G
STINE	19EC32 §	E3	R	1.9	VFI,SA
LOYAL	L2130E	E3	R	2.1	CMBV,SA
LATHAM	L 2228 R2	RR2Y	R	2.2	SS+
FS HISOY	HS 21X90	RRX	R	2.1	ACi,SA,B-200
LATHAM	L 2395 LLGT27	LLGT27	R	2.3	SS+
HOEGEMEYER	2245 E	E3	R	2.2	Lum,Lu,IL
APEX	AE1910	E3	R	1.9	CMBV,SA
ZINESTO	Z2401E	E3	R	2.4	DST
TITAN PRO	20E9	E3	R	2.0	SA,A,R,G
KRUGER	K2X-2073	RRX	R	2.0	ACi,IL
PIONEER	P22T86E §	E3	R	2.2	Untreated
CREDENZ	CZ 2230GTLL	LLGT27	MR	2.2	PV,IL,OB

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
PIONEER	P18A98X §	RRX	R	1.8	Lum
GENESIS	G2350E	E3	R	2.3	EcTC,SA
TITAN PRO	19E0	E3	R	1.9	SA,A,R,G
TITAN PRO	22E8	E3	R	2.2	SA,A,R,G
APEX	AE2310	E3	R	2.3	CMBV,SA
FS HISOY	HS 23X70	RRX	R	2.3	ACi,SA,B-200

## 2020 Soybeans - Iowa Northwest [ IANW ]

### Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
CROPLAN	CP2400X CK	RRX	R	2.4	Untreated
KRUGER	K2X-2673	RRX	R	2.6	ACi,IL
NK BRAND	S27-M8X §	RRX	R	2.7	CMBV,SA
GOLDEN HARVEST	GH2788X	RRX	R	2.7	CMBV,SA
CREDENZ	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
HOEGEMEYER	2660 E	E3	R	2.6	Lum,Lu,IL
NK BRAND	S28-E3	E3	MR	2.8	CMBV,SA
LATHAM	L 2638 E3	E3	R	2.6	SS+
TITAN PRO	25E0	E3	R	2.5	SA,A,R,G
LATHAM	L 2549 R2X	RRX	R	2.5	SS+
CREDENZ	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
CREDENZ	CZ 2830GTLL	LLGT27	R	2.8	PV,IL,OB
FS HISOY	HS 27X90	RRX	R	2.7	ACi,SA,B-200
APEX	AE2610	E3	R	2.6	CMBV,SA
RENK	RS280NX	RRX	R	2.8	EcTC,SA
APEX	AE2800	E3	R	2.8	CMBV,SA
PIONEER	P27A17X §	RRX	R	2.7	Untreated
TITAN PRO	28E8	E3	R	2.8	SA,A,R,G
STINE	26EB23 §	E3	R	2.6	VFI,SA
ZINESTO	Z2501E	E3	R	2.5	DST
PIONEER	P25T09E GC	E3	R	2.5	Untreated
GENESIS	G2550E	E3	R	2.5	CMBV,SA
CHANNEL	2820R2X GC	RRX	NA	2.8	Treated
STINE	27EC20 §	E3	R	2.7	VFI,SA
ASGROW	AG26X8 §	RRX	R	2.6	ACi
LATHAM	L 2839 LLGT27	LLGT27	R	2.8	SS+
ASGROW	AG27X0 §	RRX	R	2.7	ACi,IL
HEFTY	H25X8	RRX	MR	2.5	HCS
PIONEER	P28T14E GC	E3	R	2.8	Untreated
FS HISOY	25E00	E3	R	2.5	ACi,SA
PIONEER	P25A04X GC	RRX	R	2.5	Lum
GOLDEN HARVEST	GH2552X	RRX	MR	2.5	CMBV,SA
CHANNEL	2519R2X GC	RRX	S	2.5	Treated
HEFTY	H25X0	RRX	R	2.5	HCS
ASGROW	AG26X0 §	RRX	R	2.6	ACi,IL
HEFTY	H28X8	RRX	R	2.8	Untreated

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
FS HISOY	HS 28E90	E3	R	2.8	ACi,SA,B-200
RENK	RS250NX	RRX	R	2.5	EcTC,SA
FS HISOY	HS 28X70	RRX	R	2.8	ACi,SA,B-200
ZINESTO	Z2701E	E3	R	2.7	DST
LATHAM	L 2887 R2X	RRX	R	2.8	SS+
KRUGER	K2X-2573	RRX	R	2.5	ACi,IL

## 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
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron Standard fungicide + insecticide, Saltró
ACi,SA,B-200	Acceleron Standard fungicide + insecticide, Saltró, Acceleron B-200 SAT (Dry Seed Finisher)
CMBV,SA	Cruisermaxx, Vibrance, Saltró
DST	Dominance 2 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltró
HCS	Hefty Complete Soybeans
Lum	Lumigen™
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltró, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus
Treated	Treated, unspecified
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Saltró (BCS Consulting)
W	Warden® CX

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