

Test by: NewVenture, LLC Ellendale, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ROYALTON, MN  
Kenny Kasella, Morrison County, MN 56315

<b>Early-Season Test</b>	Maturity Group <b>0.6 - 0.9</b> S2022MNNC01a
<b>Top 30 of 34</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Mad Dog, Surestart, Roundup
<b>SOIL DESCRIPTION:</b>	Menahga Loamy Sand loamy sand, well drained, irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.0 pH, 1.3% OM, 5.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Enlist, Roundup, Liberty, Miravis Neo
<b>FERTILITY - Applied N:</b>	140 lbs Gypsum and 100 lbs Aspire
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 2 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 17 128.5 /A

### TEST COMMENTS:

*Ken noted that white mold was prevalent throughout the plot and the surrounding field. This site was also planted late due to a wet and cool spring. The planting conditions were very good and the germination was also excellent. It's unfortunate that the white mold affected this plot. The yields had higher variability in this low yield environment, but the results were significant for variety.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-0757E ↗	E3	0.7	S	<b>52.9</b>	13.4	0	125.7	740	1
Hefty	H07XF3 ↗	RXF	0.7	R	<b>48.2</b>	13.2	0	129.0	674	2
Dyna-Gro	S07EN61 ↗	E3	0.7	R	<b>46.9</b>	13.6	0	128.3	656	3
Latham	L 0945 LLGT27 ↗	LLGT27	0.9	R	45.5	13.4	0	129.7	636	4
Zinesto	Z0601E ↗	E3	0.6	R	44.4	13.2	0	129.7	621	5
Zinesto	Z0903E ↗	E3	0.9	R	44.2	13.4	0	129.3	618	6
Pioneer	P09T68E § ↗	E3	0.9	NA	43.4	13.4	0	129.7	607	7
Golden Harvest	GH0653XF § ↗	RXF	0.6	R	43.1	12.9	0	129.7	603	8
Hefty	H09XF3 ↗	RXF	0.9	R	42.6	13.0	0	128.7	596	9
Asgrow	AG09XF3 § ↗	RXF	0.9	R	42.6	13.4	0	128.0	596	10
Dairyland	DSR-0847E ↗	E3	0.8	S	41.7	13.3	0	127.7	583	11
Thunder	TX8309N ↗	RXF	0.9	R	41.2	13.2	1	127.3	577	12
Stine	08EC32 § ↗	E3	0.8	R	40.8	13.2	0	127.5	571	13
Latham	L 0694 XF ↗	RXF	0.6	R	39.9	13.2	0	127.7	558	14
Golden Harvest	GH0983XF § ↗	RXF	0.9	R	39.7	13.2	0	127.7	556	15
Hefty	H08XF2 ↗	RXF	0.8	NA	38.9	13.3	0	128.0	544	16
Latham	L 0959 E3 ↗	E3	0.9	R	37.8	13.0	0	130.3	529	17
Golden Harvest	GH0693E3 § ↗	E3	0.6	R	37.3	13.2	0	128.7	522	18
Dairyland	DSR-0920E ↗	E3	0.9	R	37.0	13.3	0	129.7	518	19
Xitavo	XO 0993E ↗	E3	0.9	R	36.7	13.4	0	130.3	513	21
Thunder	TX8307N ↗	RXF	0.7	R	36.3	13.3	1	128.7	508	22
Zinesto	Z0602E ↗	E3	0.6	NA	36.1	13.0	0	128.0	505	23
Stine	09EA02 § ↗	E3	0.9	R	35.1	13.3	0	130.3	491	24
Hefty	H05XF3 ↗	RXF	0.5	R	34.5	13.0	0	127.7	483	25
Gold Country	0842XF ↗	RXF	0.8	R	34.5	13.2	0	130.3	483	26
Zinesto	Z0702E ↗	E3	0.7	NA	34.5	13.2	0	126.0	483	27
Latham	L 0785 E3 ↗	E3	0.7	R	34.1	13.4	0	129.0	477	28
Thunder	TE7207 ↗	E3	0.7	S	31.0	13.1	0	128.3	434	29
Golden Harvest	GH0933E3 § ↗	E3	0.9	R	29.9	13.4	0	131.0	418	30
Thunder	TE7309N ↗	E3	0.9	R	27.9	13.3	0	127.7	390	31
NK BRAND	NK13-Y4XF CK	RXF	1.3	R	36.9	13.4	0	127.7	516	20
					Averages =	<b>38.3</b>	<b>13.3</b>	<b>0</b>	<b>128.5</b>	<b>534</b>
					LSD (0.10) =	8.1	ns	ns		
					LSD (0.25) =	4.2	ns	ns		
Ed Dahle					C.V. =	20.0				
ed.dahle@firstseedtests.com, (507) 456-6624					Historic yield: 46.3 bu/a, 3 yr(s)					

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.00

Report Date: 10/17/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

©2022, All rights reserved by Elite Field Genetics, LLC

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

Test by: NewVenture, LLC Ellendale, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ROYALTON, MN  
Kenny Kasella, Morrison County, MN 56315

<b>Full-Season Test</b>	Maturity Group <b>1.0 - 1.5</b> S2022MNNC01b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Mad Dog, Surestart, Roundup
<b>SOIL DESCRIPTION:</b>	Menahga Loamy Sand loamy sand, well drained, irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.0 pH, 1.3% OM, 5.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Enlist, Roundup, Liberty, Miravis Neo
<b>FERTILITY - Applied N:</b>	140 lbs Gypsum and 100 lbs Aspire
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 2 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 17 129.1 /A

### TEST COMMENTS:

*Ken noted that white mold was prevalent throughout the plot and the surrounding field. This site was also planted late due to a wet and cool spring. The planting conditions were very good and the germination was also excellent. It's unfortunate that the white mold affected this plot. The yields had higher variability in this low yield environment, but the results were significant for variety.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1505E ↗	E3	1.5	R	<b>52.3</b>	13.2	1	128.7	732	1
Dyna-Gro	S12EN72 ↗	E3	1.2	R	<b>50.7</b>	13.4	0	129.3	709	2
Asgrow	AG11XF2 § ↗	RXF	1.1	R	<b>49.0</b>	13.2	0	126.5	686	3
Thunder	TX8215N ↗	RXF	1.5	R	<b>46.7</b>	13.5	0	130.0	653	4
Hefty	H10XF1 ↗	RXF	1.0	NA	<b>44.8</b>	12.6	0	130.0	627	5
Zinesto	Z1202E ↗	E3	1.2	NA	<b>44.7</b>	13.5	0	128.7	625	6
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	<b>41.5</b>	13.3	0	128.5	581	7
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	<b>41.4</b>	13.1	3	129.7	580	8
Latham	L 1392 E3 ↗	E3	1.3	R	<b>40.8</b>	13.0	1	129.3	571	9
Asgrow	AG13XF3 § ↗	RXF	1.3	R	<b>40.7</b>	13.2	0	130.0	570	10
Dairyland	DSR-1121E ↗	E3	1.1	R	<b>39.3</b>	13.1	0	127.0	550	12
Xitavo	XO 1372E ↗	E3,ST	1.3	R	<b>39.1</b>	13.5	0	129.7	547	13
Xitavo	XO 1041E ↗	E3	1.0	R	<b>39.1</b>	13.0	0	129.3	547	14
Hefty	H13XF3 ↗	RXF	1.3	R	<b>38.8</b>	13.4	0	129.7	543	15
Hefty	H14XF3 ↗	RXF	1.4	R	<b>38.6</b>	13.0	0	129.7	540	16
Asgrow	AG15XF2 § ↗	RXF	1.5	R	<b>38.4</b>	13.5	0	126.7	537	17
Xitavo	XO 1212E ↗	E3	1.2	R	<b>38.0</b>	13.6	0	129.7	531	18
Stine	14EE02 § ↗	E3	1.4	R	<b>37.2</b>	13.7	1	129.5	519	19
Thunder	TX8313N ↗	RXF	1.3	R	<b>36.9</b>	13.5	1	128.3	516	20
Latham	L 1439 XF ↗	RXF	1.4	R	<b>36.8</b>	13.2	3	128.0	515	21
Thunder	TX8211N ↗	RXF	1.1	R	<b>36.6</b>	13.0	0	129.0	512	22
Stine	15EE32 § ↗	E3	1.5	R	<b>35.3</b>	13.3	0	130.0	494	23
Xitavo	XO 1133E ↗	E3	1.1	R	<b>35.2</b>	13.6	0	129.7	492	24
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	<b>35.0</b>	13.4	0	129.0	490	25
Hefty	H15XF2 ↗	RXF	1.5	NA	<b>34.8</b>	13.4	0	128.5	487	26
Thunder	TX8312N ↗	RXF	1.2	R	<b>34.4</b>	13.2	0	128.7	481	27
Dyna-Gro	S14EN22 ↗	E3	1.4	R	<b>34.3</b>	13.4	0	130.3	480	28
Pioneer	P10T57E § ↗	E3	1.0	NA	<b>34.3</b>	13.2	0	130.3	480	29
Zinesto	Z1101E ↗	E3	1.1	R	<b>33.9</b>	13.2	1	129.3	474	30
Pioneer	P13T47E § ↗	E3	1.3	NA	<b>33.0</b>	13.2	0	128.5	462	31
NK BRAND	NK13-Y4XF CK	RXF	1.3	R	<b>39.8</b>	12.8	0	129.0	557	11
					Averages =	<b>38.1</b>	<b>13.3</b>	<b>1</b>	<b>129.1</b>	<b>534</b>
					LSD (0.10) =	7.1	ns	ns		
					LSD (0.25) =	3.7	ns	ns		
					C.V. =	17.5				
Ed Dahle					Historic yield: 46.3 bu/a, 3 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.00

Report Date: 10/17/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

©2022, All rights reserved by Elite Field Genetics, LLC

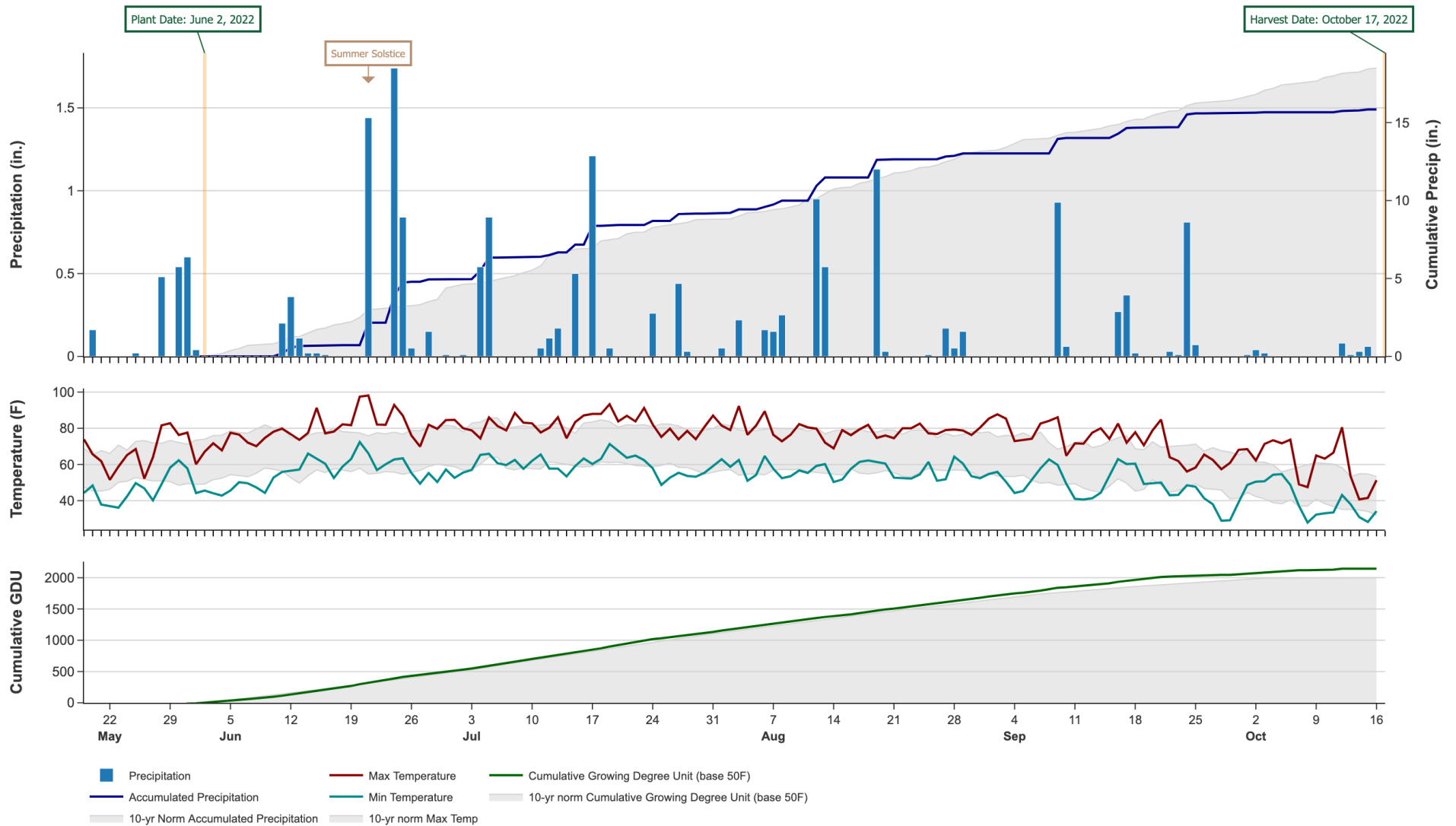
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2022 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at ROYALTON, MN

Weather Data Retrieved: 10/17/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.8   2.0 (-0.2)	5.0   4.7 (+0.3)	4.2   4.4 (-0.2)	3.9   4.4 (-0.5)	2.6   3.4 (-0.8)	0.2   1.9 (-1.7)	17.7   20.8 (-3.1)
GDU   Normal (Diff)	117   135 (-18)	507   494 (+12)	639   631 (+7)	546   533 (+12)	376   337 (+38)	89   26 (+62)	2274   2159 (+114)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

## 2022 Soybeans - Minnesota North Central [ MNNC ]

### Early-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dyna-Gro	S07EN61	E3	R	0.7	EQV,Sa,Va
Dyna-Gro	S09EN53	E3	R	0.9	EQV,Sa,Va
Gold Country	0842XF	RXF	R	0.8	ACi,IL
Golden Harvest	GH0653XF §	RXF	R	0.6	CMBV,SA
Golden Harvest	GH0693E3 §	E3	R	0.6	CMBV,SA
Golden Harvest	GH0933E3 §	E3	R	0.9	CMBV,SA
Golden Harvest	GH0983XF §	RXF	R	0.9	CMBV,SA
Hefty	H05XF3	RXF	R	0.5	DST4
Hefty	H07XF3	RXF	R	0.7	DST4
Hefty	H08XF2	RXF	NA	0.8	DST4
Hefty	H09XF3	RXF	R	0.9	DST4
Latham	L 0694 XF	RXF	R	0.6	SS+,SA
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0945 LLGT27	LLGT27	R	0.9	SS+,SA
Latham	L 0959 E3	E3	R	0.9	SS+,SA
NK Brand	NK13-Y4XF CK	RXF	R	1.3	CMBV,SA
Pioneer	P09T68E §	E3	NA	0.9	Lum,Lu,IL
Stine	08EC32 §	E3	R	0.8	SFI
Stine	09EA02 §	E3	R	0.9	SFI
Thunder	TE7207	E3	S	0.7	TFI
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TX8307N	RXF	R	0.7	TFI
Thunder	TX8309N	RXF	R	0.9	TFI
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB,Rey
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB,Rey
Xitavo	XO 0993E	E3	R	0.9	PV,IL,OB,Rey
Zinesto	Z0601E	E3	R	0.6	DST4
Zinesto	Z0602E	E3	NA	0.6	DST4
Zinesto	Z0702E	E3	NA	0.7	DST4
Zinesto	Z0903E	E3	R	0.9	DST4

## 2022 Soybeans - Minnesota North Central [ MNNC ]

### Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG11XF2 §	RXF	R	1.1	ACi,IL
Asgrow	AG13XF3 §	RXF	R	1.3	ACi
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Dairyland	DSR-1121E	E3	R	1.1	Lum,Lu,IL
Dairyland	DSR-1290E	E3,ST	R	1.2	Lum,Lu,IL
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dyna-Gro	S12EN72	E3	R	1.2	EQV,Sa,Va
Dyna-Gro	S14EN22	E3	R	1.4	EQV,Sa,Va
Gold Country	1041XF	RXF	R	1.0	ACi,IL
Hefty	H10XF1	RXF	NA	1.0	DST4
Hefty	H13XF3	RXF	R	1.3	DST4
Hefty	H14XF3	RXF	R	1.4	DST4
Hefty	H15XF2	RXF	NA	1.5	DST4
Latham	L 1392 E3	E3	R	1.3	SS+,SA
Latham	L 1439 XF	RXF	R	1.4	SS+,SA
Latham	L 1452 LLGT27	LLGT27	R	1.4	SS+,SA
Latham	L 1558 E3	E3	R	1.5	SS+,SA
NK Brand	NK13-Y4XF CK	RXF	R	1.3	CMBV,SA
Pioneer	P10T57E §	E3	NA	1.0	Lum,Lu,IL
Pioneer	P12T94E §	E3	NA	1.2	Lum,Lu,IL
Pioneer	P13T47E §	E3	NA	1.3	Lum,Lu,IL
Stine	14EE02 §	E3	R	1.4	SFI
Stine	15EE32 §	E3	R	1.5	SFI
Thunder	TX8211N	RXF	R	1.1	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8312N	RXF	R	1.2	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB,Rey
Xitavo	XO 1133E	E3	R	1.1	PV,IL,OB,Rey
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB,Rey
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Zinesto	Z1003E	E3	R	1.0	DST4
Zinesto	Z1101E	E3	R	1.1	DST4
Zinesto	Z1202E	E3	NA	1.2	DST4
Zinesto	Z1502E	E3	NA	1.5	DST4

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

---

### Soybeans Seed Treatments\*

---

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®
TFI	ThunderStruck F&I (Thunder Seed Inc.)

---

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