

Test by: NewVenture, LLC Ellendale, MN

## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNCC] ALBANY, MN  
Mitch Oveman, Stearns County, MN 56381

<b>Early-Season Test</b>	Maturity Group <b>0.6 - 1.0</b> S2023MNCC04a
<b>Top 26 of 26</b>	For Gross Income (Sorted by Yield) Average of (2) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Waukon Loam loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, high K, 7.6 pH, 3.5% OM, 24.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Roundup, Class Act, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 28 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 11 125.9 /A

### TEST COMMENTS:

*This is a very level and uniform plot site. Mitch noted that rain was at a premium this season. It was very dry at planting and I planted deeper than I usually do and got a lucky small rain to get a good emergence. There were no weeds present and the beans were standing very well at harvest. One replicate was removed in the early-season test due to high yield variance that may be related to soil compaction.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-0920E ↗	E3	0.9	R	<b>62.0</b>	15.8	0	126.0	806	1
Xitavo	XO 0993E ↗	E3	0.9	R	<b>58.6</b>	16.0	1	126.0	760	2
Thunder	TE7309N ↗	E3	0.9	R	56.7	16.1	0	126.0	737	3
Stine	06EG29 § ↗	E3	0.6	R	55.8	15.9	0	126.0	725	4
Dak-Sota	DE5309 ↗	E3	0.9	R	55.1	15.9	0	126.0	715	5
Zinesto	Z0903E ↗	E3	0.9	R	54.6	15.7	0	126.0	710	6
Pioneer	P04T02E § ↗	E3	0.4	NA	54.1	15.8	0	126.0	703	7
Xitavo	XO 0602E ↗	E3	0.6	R	54.1	16.1	0	126.0	703	8
Zinesto	Z0804E ↗	E3	0.8	R	54.0	16.0	0	126.0	702	9
Asgrow	AG06XF3 § ↗	RXF	0.6	R	53.5	15.8	0	126.0	696	10
Asgrow	AG09XF3 § ↗	RXF	0.9	R	52.4	16.1	0	126.0	681	12
Dairyland	DSR-0757E ↗	E3	0.7	S	51.8	16.0	0	126.0	673	13
Zinesto	Z1004E ↗	E3	1.0	R	51.7	16.0	0	126.0	672	14
Dak-Sota	DE5107 ↗	E3	0.7	R	51.6	16.0	0	126.0	671	15
Thunder	TX8307N ↗	RXF	0.7	R	51.4	16.0	0	126.0	668	16
Golden Harvest	GH0734E3 § ↗	E3	0.7	MR	49.7	15.9	0	126.0	646	17
Thunder	TE7407N ↗	E3	0.7	R	48.8	16.3	0	126.0	634	18
Zinesto	Z0701E ↗	E3	0.7	R	48.5	15.9	0	126.0	630	19
Dairyland	DSR-0660E ↗	E3	0.6	R	47.6	15.7	0	126.0	618	20
Pioneer	P08A44E § ↗	E3	0.8	NA	46.7	15.6	0	126.0	606	21
Golden Harvest	GH0933E3 § ↗	E3	0.9	R	46.5	16.1	0	126.0	604	22
Xitavo	XO 0731E ↗	E3	0.7	R	45.8	15.9	0	126.0	595	23
Dak-Sota	DE5110 ↗	E3	1.0	R	42.7	15.7	0	126.0	555	24
Stine	08EG62 § ↗	E3	0.8	R	40.5	16.0	0	126.0	526	25
Thunder	TX8309N ↗	RXF	0.9	R	40.3	16.3	8	122.5	524	26
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>52.6</b>	<b>15.9</b>	<b>0</b>	<b>126.0</b>	<b>682</b>	<b>11</b>
					Averages =	<b>51.0</b>	<b>15.9</b>	<b>0</b>	<b>125.9</b>	<b>663</b>
					LSD (0.10) =	6.8	ns	ns		
					LSD (0.25) =	3.5	ns	ns		
Ed Dahle					C.V. =	10.1				
ed.dahle@firstseedtests.com, (507) 456-6624										Historic yield: 49.83 bu/a, 7 yr(s)
<b>Yield &amp; Income Factors:</b>			Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.00	Prices: GMO = \$13.00				

Report Date: 11/12/2023

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

† 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](http://www.firstseedtests.com)

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Test by: NewVenture, LLC Ellendale, MN

## 2023 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ALBANY, MN  
Mitch Oveman, Stearns County, MN 56381

<b>Full-Season Test</b>	Maturity Group 1.1 - 1.5 S2023MNNC04b
<b>Top 29 of 29</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Waukon Loam loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, high K, 7.6 pH, 3.5% OM, 24.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Roundup, Class Act, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 28 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 11 126.0 /A

### TEST COMMENTS:

*This is a very level and uniform plot site. Mitch noted that rain was at a premium this season. It was very dry at planting and I planted deeper than I usually do and got a lucky small rain to get a good emergence. There were no weeds present and the beans were standing very well at harvest. One replicate was removed in the early-season test due to high yield variance that may be related to soil compaction.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1202E ↗	E3	1.2	NA	<b>61.4</b>	16.2	0	126.0	798	1
Pioneer	P13T47E § ↗	E3	1.3	NA	<b>57.2</b>	16.2	0	126.0	744	2
Xitavo	XO 1212E ↗	E3	1.2	R	<b>57.0</b>	16.4	0	126.0	741	3
Golden Harvest	GH1194E3 § ↗	E3	1.1	MR	55.7	16.2	0	126.0	724	4
Thunder	TX8215N ↗	RXF	1.5	R	55.4	16.4	1	126.0	720	5
Xitavo	XO 1404E ↗	E3	1.4	R	53.8	16.1	0	126.0	699	6
Dairyland	DSR-1505E ↗	E3	1.5	R	53.6	16.3	0	126.0	697	7
Xitavo	XO 1372E ↗	E3,ST	1.3	R	53.0	16.0	0	126.0	689	8
Thunder	TX8313N ↗	RXF	1.3	R	52.6	16.4	3	126.0	684	9
Stine	14EG32 § ↗	E3	1.4	R	52.4	16.2	0	126.0	681	10
Stine	10EF23 § ↗	E3	1.0	R	52.3	16.1	0	126.0	680	11
Dyna-Gro	S12EN72 ↗	E3	1.2	R	52.2	16.4	0	126.0	679	12
Thunder	TE7415N ↗	E3	1.5	R	51.7	16.2	0	126.0	672	13
Genesis	G1560E ↗	E3	1.5	R	50.4	16.4	0	126.0	655	14
Asgrow	AG15XF2 § ↗	RXF	1.5	R	50.0	16.2	0	126.0	650	15
Channel	1022RFX GC ↗	RXF	1.0	NA	49.7	15.9	0	126.0	646	16
Dak-Sota	DE5215 ↗	E3	1.5	R	49.7	16.5	0	126.0	646	17
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	49.6	16.1	0	126.0	645	18
Xitavo	XO 1133E ↗	E3	1.1	R	49.5	16.2	0	126.0	644	19
Asgrow	AG12XF3 § ↗	RXF	1.2	R	49.0	16.0	0	126.0	637	20
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	49.0	16.3	1	126.0	637	21
Zinesto	Z1204E ↗	E3	1.2	R	48.2	16.0	0	126.0	627	23
Zinesto	Z1502E ↗	E3	1.5	NA	47.0	16.3	0	126.0	611	24
Dak-Sota	DE5414 ↗	E3	1.4	R	45.8	16.2	0	126.0	595	25
Thunder	TX8414N ↗	RXF	1.4	R	45.6	16.2	0	126.0	593	26
Golden Harvest	GH1124XF § ↗	RXF	1.1	MR	45.0	16.4	0	126.0	585	27
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	43.5	16.1	0	126.0	566	28
Dak-Sota	DE5412 ↗	E3	1.2	R	43.2	16.2	0	126.0	562	29
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>48.7</b>	<b>15.7</b>	<b>0</b>	<b>126.0</b>	<b>633</b>	<b>22</b>
					Averages =	<b>50.7</b>	<b>16.2</b>	<b>0</b>	<b>126.0</b>	<b>660</b>
					LSD (0.10) =	5.1	0.2	ns		
					LSD (0.25) =	2.7	0.1	ns		
					C.V. =	9.4				
Ed Dahle					Historic yield: 49.83 bu/a, 7 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										
<b>Yield &amp; Income Factors:</b>			Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.00	Prices: GMO = \$13.00				

Report Date: 11/12/2023

† 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](http://www.firstseedtests.com)

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

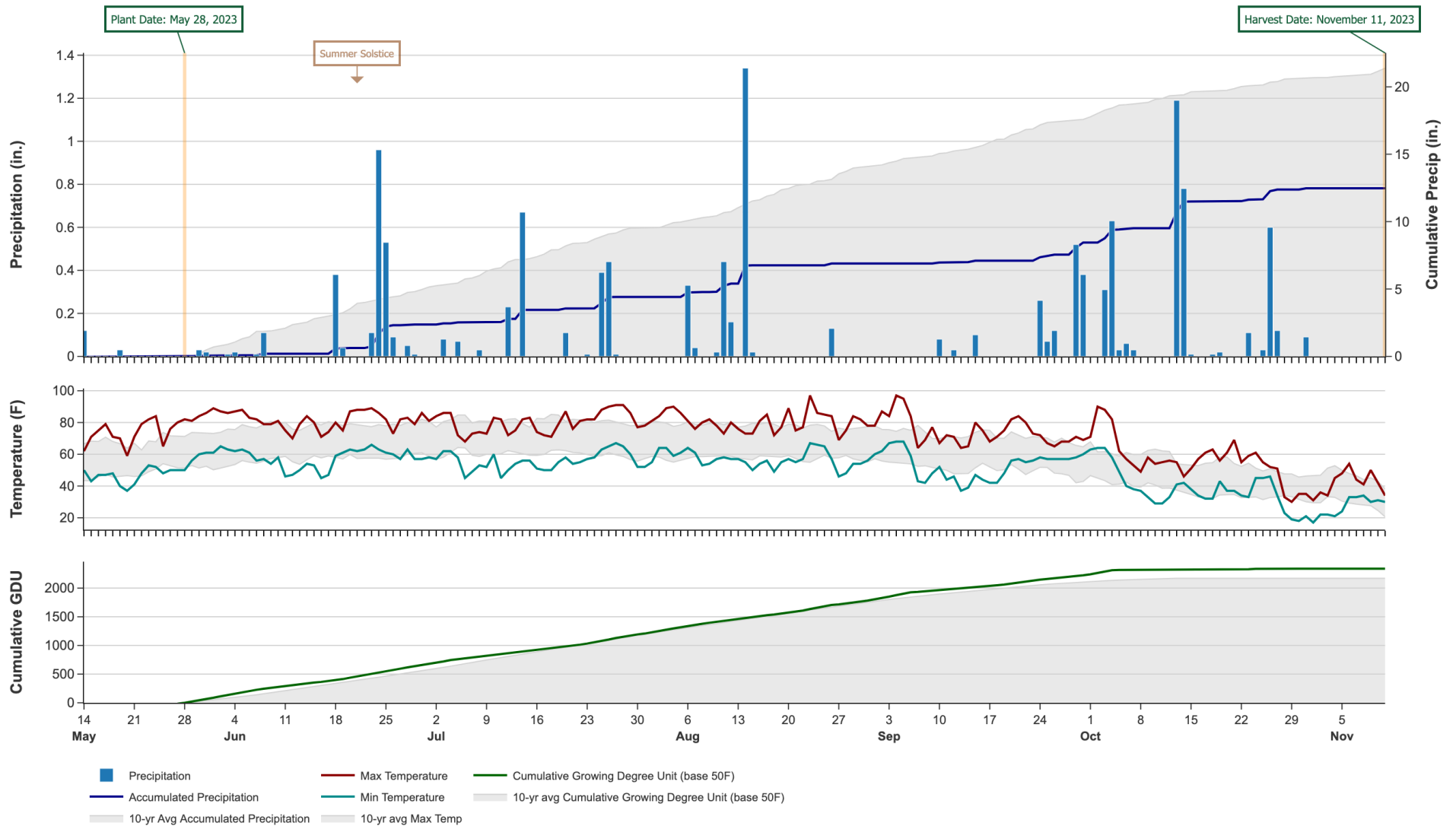
©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

# 2023 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at ALBANY, MN

Weather Data Retrieved: 11/12/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   (Diff)	0.2   2.5 (-2.3)	2.3   4.5 (-2.2)	2.0   4.6 (-2.5)	2.5   4.6 (-2.1)	1.6   3.5 (-1.9)	4.0   3.1 (+0.9)	0.0   0.7 (-0.7)	12.6   23.4 (-10.8)
GDU   Avg (Diff)	240   182 (+57)	593   522 (+70)	551   635 (-84)	574   557 (+16)	442   356 (+85)	114   60 (+53)	0   0 (0)	2514   2314 (+199)



\* 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.

## 2023 Soybeans - Minnesota North Central [ MNNC ]

### Early-Season Test Products (26 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG06XF3 §	RXF	R	0.6	ACi,IL
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Dairyland	DSR-0660E	E3	R	0.6	Lum, LumT, IL
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dak-Sota	DE5107	E3	R	0.7	TFI
Dak-Sota	DE5110	E3	R	1.0	TFI
Dak-Sota	DE5309	E3	R	0.9	TFI
Golden Harvest	GH0734E3 §	E3	MR	0.7	CMB-APX,SA
Golden Harvest	GH0933E3 §	E3	R	0.9	CMB-APX,SA
Pioneer	P04T02E §	E3	NA	0.4	Untreated
Pioneer	P06A85E CK	E3	MR	0.6	Lum,IL
Pioneer	P08A44E §	E3	NA	0.8	Untreated
Stine	06EG29 §	E3	R	0.6	ACi
Stine	08EG62 §	E3	R	0.8	ACi
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TE7407N	E3	R	0.7	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	Z0701E	E3	R	0.7	DST5
Zinesto	Z0804E	E3	R	0.8	DST5
Zinesto	Z0903E	E3	R	0.9	DST5
Zinesto	Z1004E	E3	R	1.0	DST5

## 2023 Soybeans - Minnesota North Central [ MNNC ]

### Full-Season Test Products (29 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG12XF3 §	RXF	R	1.2	ACi,IL
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Channel	1022RXF GC	RXF	NA	1.0	Untreated
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
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5412	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Dyna-Gro	S12EN72	E3	R	1.2	EQV,Sa,Va
Dyna-Gro	S14XF43	RXF	MR	1.4	EQV,Sa,Va
Genesis	G1560E	E3	R	1.5	EcQ,NF,NH,SA
Golden Harvest	GH1124XF §	RXF	MR	1.1	CMB-APX,SA
Golden Harvest	GH1194E3 §	E3	MR	1.1	CMB-APX,SA
Pioneer	P06A85E CK	E3	MR	0.6	Lum,IL
Pioneer	P13T47E §	E3	NA	1.3	Lum, LumT, IL
Stine	10EF23 §	E3	R	1.0	NA
Stine	14EG32 §	E3	R	1.4	ACi
Thunder	TE7415N	E3	R	1.5	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Thunder	TX8414N	RXF	R	1.4	TFI
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
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
Zinesto	Z1202E	E3	NA	1.2	DST5
Zinesto	Z1204E	E3	R	1.2	DST5
Zinesto	Z1502E	E3	NA	1.5	DST5

## 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®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

---

### Soybeans Seed Treatments\*

---

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

---

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