

Test by: NewVenture, LLC Ellendale, MN

## 2023 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 - 1.0</b> S2023MNNC01a
<b>Top 26 of 26</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup, Sure Start
<b>SOIL DESCRIPTION:</b>	Nokay loam, mod. poorly drained, irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 7.0 pH, 1.2% OM, 5.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Glyphosate, Miravis Neo, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 21 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 11 131.0 /A

### TEST COMMENTS:

*This is an irrigated very sandy site. Ken noted that white mold was prevalent in this field. There were spots of lodging at different spots throughout the plot. The beans were tall and there were no weeds seen in the plot. The beans did shell out fairly easily and completely. We want to thank Ken for hosting again this year, he is a great plot host. The full-season test has higher yield variance and should be used with caution.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG09XF3 § ↗	RXF	0.9	R	<b>68.9</b>	16.8	8	131.0	896	1
Thunder	TX8307N ↗	RXF	0.7	R	<b>68.6</b>	16.8	7	131.0	892	2
Xitavo	XO 0602E ↗	E3	0.6	R	65.9	16.8	0	131.0	857	3
Zinesto	Z0804E ↗	E3	0.8	R	65.5	16.8	0	131.0	852	4
Dak-Sota	DE5107 ↗	E3	0.7	R	65.3	16.7	0	131.0	849	5
Xitavo	XO 0993E ↗	E3	0.9	R	64.3	16.4	1	131.0	836	6
Dairyland	DSR-0920E ↗	E3	0.9	R	64.0	16.4	0	131.0	832	7
Zinesto	Z1004E ↗	E3	1.0	R	63.9	17.0	0	131.0	831	8
Zinesto	Z0903E ↗	E3	0.9	R	63.0	16.5	1	131.0	819	9
Stine	08EG62 § ↗	E3	0.8	R	62.4	16.8	0	131.0	811	11
Golden Harvest	GH0734E3 § ↗	E3	0.7	MR	60.2	16.8	0	131.0	783	12
Thunder	TE7407N ↗	E3	0.7	R	59.3	16.7	0	131.0	771	13
Zinesto	Z0701E ↗	E3	0.7	R	58.5	16.7	2	131.0	760	14
Thunder	TE7309N ↗	E3	0.9	R	58.3	16.8	7	131.0	758	15
Pioneer	P08A44E § ↗	E3	0.8	NA	58.2	16.7	0	131.0	757	16
Thunder	TX8309N ↗	RXF	0.9	R	58.2	16.8	8	131.0	757	17
Dairyland	DSR-0757E ↗	E3	0.7	S	57.1	16.9	3	131.0	742	18
Asgrow	AG06XF3 § ↗	RXF	0.6	R	55.9	16.7	0	131.0	727	19
Pioneer	P04T02E § ↗	E3	0.4	NA	55.7	16.4	0	131.0	724	20
Dak-Sota	DE5110 ↗	E3	1.0	R	54.9	16.8	0	131.0	714	21
Dairyland	DSR-0660E ↗	E3	0.6	R	54.6	16.7	0	131.0	710	22
Dak-Sota	DE5309 ↗	E3	0.9	R	52.2	16.7	7	131.0	679	23
Xitavo	XO 0731E ↗	E3	0.7	R	49.8	16.9	0	131.0	647	24
Stine	06EG29 § ↗	E3	0.6	R	47.4	16.7	8	131.0	616	25
Golden Harvest	GH0933E3 § ↗	E3	0.9	R	43.9	16.7	1	130.3	571	26
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>62.4</b>	<b>16.4</b>	<b>0</b>	<b>131.0</b>	<b>811</b>	<b>10</b>
					Averages =	<b>58.9</b>	<b>16.7</b>	<b>2</b>	<b>131.0</b>	<b>769</b>
					LSD (0.10) =	8.1	0.1	ns		
					LSD (0.25) =	4.2	0.1	ns		
Ed Dahle					C.V. =	12.9				
ed.dahle@firstseedtests.com, (507) 456-6624					Historic yield: 44.71 bu/a, 4 yr(s)					
<b>Yield &amp; Income Factors:</b>			Base Moisture = 13.0%	Shrink = 1.0	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)

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## 2023 Soybeans Top 30 Harvest Report

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

<b>Full-Season Test</b>	Maturity Group 1.1 - 1.5 S2023MNNC01b
<b>Top 29 of 29</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup, Sure Start
<b>SOIL DESCRIPTION:</b>	Nokay loam, mod. poorly drained, irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 7.0 pH, 1.2% OM, 5.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Glyphosate, Miravis Neo, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 21 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 11 131.0 /A

### TEST COMMENTS:

*This is an irrigated very sandy site. Ken noted that white mold was prevalent in this field. There were spots of lodging at different spots throughout the plot. The beans were tall and there were no weeds seen in the plot. The beans did shell out fairly easily and completely. We want to thank Ken for hosting again this year, he is a great plot host. The full-season test has higher yield variance and should be used with caution.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH1194E3 § ↗	E3	1.1	MR	<b>71.5</b>	17.0	1	131.0	930	1
Pioneer	P13T47E § ↗	E3	1.3	NA	65.1	16.7	0	131.0	846	3
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	64.5	16.5	3	131.0	838	4
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	62.3	16.9	10	131.0	810	5
Zinesto	Z1202E ↗	E3	1.2	NA	62.0	16.8	1	131.0	806	6
Golden Harvest	GH1124XF § ↗	RXF	1.1	MR	61.6	16.9	3	131.0	801	7
Stine	14EG32 § ↗	E3	1.4	R	61.5	16.6	2	131.0	800	8
Thunder	TX8215N ↗	RXF	1.5	R	61.5	16.7	8	131.0	800	9
Thunder	TX8414N ↗	RXF	1.4	R	60.8	16.9	1	131.0	790	10
Dak-Sota	DE5412 ↗	E3	1.2	R	60.7	16.8	3	131.0	789	11
Asgrow	AG12XF3 § ↗	RXF	1.2	R	60.5	16.7	17	131.0	786	12
Xitavo	XO 1372E ↗	E3,ST	1.3	R	60.4	16.7	0	131.0	785	13
Xitavo	XO 1404E ↗	E3	1.4	R	59.9	16.6	0	131.0	779	14
Dyna-Gro	S12EN72 ↗	E3	1.2	R	59.0	16.9	3	131.0	767	15
Zinesto	Z1204E ↗	E3	1.2	R	58.5	16.6	2	131.0	760	16
Dak-Sota	DE5414 ↗	E3	1.4	R	58.5	16.9	0	131.0	760	17
Xitavo	XO 1212E ↗	E3	1.2	R	58.2	16.8	0	131.0	757	18
Stine	10EF23 § ↗	E3	1.0	R	57.7	16.7	0	131.0	750	19
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	57.6	16.7	0	131.0	749	20
Channel	1022RFX GC ↗	RXF	1.0	NA	56.5	16.7	0	131.0	734	21
Thunder	TX8313N ↗	RXF	1.3	R	53.2	16.8	4	131.0	692	22
Xitavo	XO 1133E ↗	E3	1.1	R	51.3	16.8	1	131.0	667	23
Dairyland	DSR-1505E ↗	E3	1.5	R	51.0	16.9	0	131.0	663	24
Thunder	TE7415N ↗	E3	1.5	R	50.0	16.9	3	131.0	650	25
Genesis	G1560E ↗	E3	1.5	R	49.6	16.9	3	131.0	645	26
Dak-Sota	DE5215 ↗	E3	1.5	R	43.5	16.9	8	131.0	566	27
Zinesto	Z1502E ↗	E3	1.5	NA	43.2	16.8	0	131.0	562	28
Asgrow	AG15XF2 § ↗	RXF	1.5	R	42.8	16.8	2	131.0	556	29
<b>PIONEER</b>	<b>P06A85E CK</b>	<b>E3</b>	<b>0.6</b>	<b>MR</b>	<b>68.9</b>	<b>16.5</b>	<b>3</b>	<b>131.0</b>	<b>896</b>	<b>2</b>
					Averages =	<b>57.7</b>	<b>16.8</b>	<b>3</b>	<b>131.0</b>	<b>749</b>
					LSD (0.10) =	8.8	ns	5		
					LSD (0.25) =	4.6	ns	2		
					C.V. =	14.4				
Ed Dahle					Historic yield: 44.71 bu/a, 4 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 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)

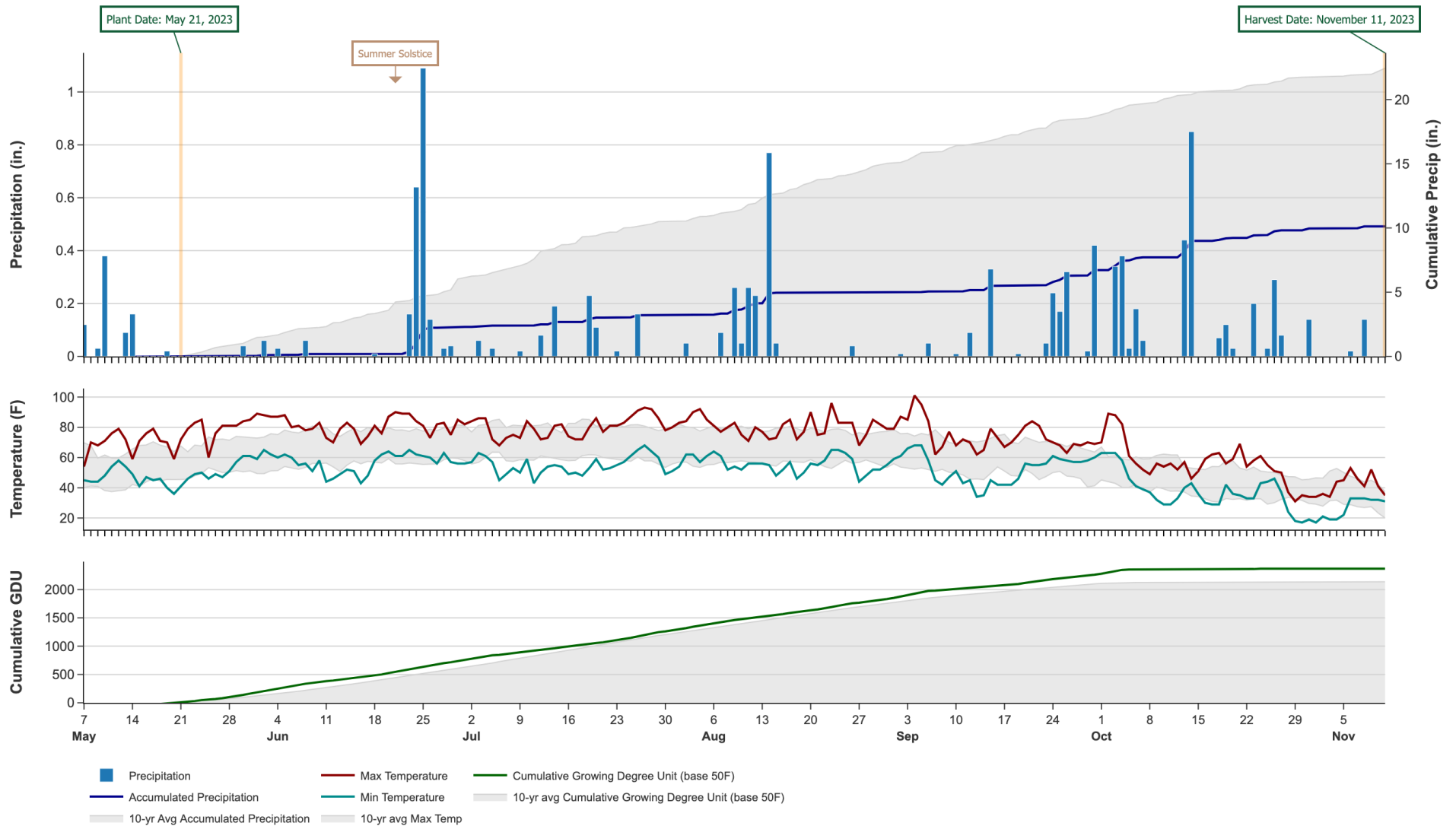
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# 2023 Soybeans - Minnesota North Central [ MNNC ]

## Weather Conditions Summary at ROYALTON, MN

Weather Data Retrieved: 11/12/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   (Diff)	0.8   3.6 (-2.7)	2.3   4.8 (-2.5)	0.9   4.5 (-3.6)	1.8   4.5 (-2.7)	1.7   3.6 (-1.9)	3.2   3.1 (+0.2)	0.2   0.7 (-0.5)	10.9   24.7 (-13.8)
GDU   Avg (Diff)	314   208 (+105)	574   494 (+79)	540   619 (-79)	556   538 (+17)	430   339 (+90)	106   36 (+69)	0   0 (0)	2520   2236 (+283)



\* 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

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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®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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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
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

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