

Test by: Northern Ag Research, LLC ,

2026 Soybeans Top 30 Harvest Report

Iowa Northeast [IANE] WATERLOO, IA
Rottinghaus Farms, Rottinghaus Farms, Black Hawk
County, IA 50703

Early-Season Test	Maturity Group 1.6 - 2.2 S2026IANE03a
Top 26 of 26	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Glufosinate, Zidua Sc, Flexstar, Glyphosate, Intensity
SOIL DESCRIPTION:	Marquis loam, mod. well drained, non-irrigated
SOIL CONDITION:	6.69 pH, 3.91% OM, 11.73 CEC, high P, high K, low S, mod. B, high Zn
TILLAGE/CULTIVATION:	Strip-Till
CROP PROTECTION:	Glyphosate (H), Zidua Sc (H), Glufosinate (H), Enlist (H), Intensity (H)
Applied N-P-K (units):	0-54-82
SEEDED - RATE - ROW:	May 9 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 20 127.9 /A
PEST & DISEASE RISK:	SDS, Fusarium, Brown Stem Rot, Septoria Brown Spot*

TEST COMMENTS:

This location received 15" of rain above normal this season, and many times that rain came in heavy downpours that had the chance to impact this site. Fortunately, this plot location is very well drained and shed the water easily. Plants stood well into harvest with little sign of disease pressure. Weeds were very well controlled, and no off-color or shriveled beans were seen in the sample.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
P3 Genetics	2719E ↗	E3	1.9	M	73.7	10.0	1	128.5	903	1
Apex	AE2270 ↗	E3	2.2	PK	72.4	9.8	0	128.0	887	2
Apex	AE1870 ↗	E3	1.8	M	66.8	9.8	1	128.3	818	3
Apex	AE2170 ↗	E3	2.1	M	66.4	10.1	5	128.3	813	4
Stine	20EH92 ↗	E3	2.0	M	64.8	9.7	0	128.3	794	6
Stine	18EJ32 ↗	E3	1.8	R	64.6	9.9	7	126.7	791	7
P3 Genetics	2520E ↗	E3	2.0	PK	64.2	10.2	1	128.3	786	8
Genesis	G1800E ↗	E3	1.8	M	64.1	9.9	2	128.0	785	9
Genesis	G2210E ↗	E3	2.2	PK	63.6	10.0	3	127.3	779	10
P3 Genetics	2718E ↗	E3	1.8	M	63.2	9.9	3	128.0	774	11
Genesis	G2110E ↗	E3	2.1	M	62.9	10.0	6	128.7	771	12
Hoegemeyer	2056E ↗	E3	2.0	PK	62.4	9.7	0	129.7	764	13
Hoegemeyer	2395E^ ↗	E3	2.3	PK	62.1	9.7	0	129.0	761	14
FS HiSOY	HS 18E30 ↗	E3	1.8	PK	61.3	10.4	5	127.3	751	15
Xitavo	XO 2127E ↗	E3	2.1	M	61.1	9.8	2	128.7	748	16
Apex	AE1970 ↗	E3	1.9	M	60.9	10.0	4	127.3	746	17
Pioneer	P17Z39E GC ↗	E3	1.7	PK	59.6	9.7	0	127.7	730	18
Connect	CT1825E GC ↗	E3	1.8	PK	59.4	10.0	1	126.0	728	19
Xitavo	XO 2087E ↗	E3	2.0	M	59.3	10.1	6	128.7	726	20
Xitavo	XO 1776E ↗	E3	1.7	M	59.2	9.8	0	127.0	725	21
Alloy	A18E35 GC ↗	E3	1.8	NA	58.9	9.8	0	127.3	722	22
Genesis	G1910E ↗	E3	1.9	M	57.7	11.1	2	127.3	707	23
FS HiSOY	HS 20E40 ↗	E3	2.0	M	57.0	9.8	8	126.7	698	24
Hoegemeyer	1937E ↗	E3	1.9	PK	56.6	9.8	0	127.0	693	25
Genesis	G1980E ↗	E3	1.9	PK	56.5	10.0	0	128.3	692	26
Pioneer	P23Z58E CK	E3	2.3	n/a	65.2	9.8	2	128.7	799	5

Averages = **62.3** **10.0** **2** **127.9** **765**

LSD (0.10) = 4.6 ns ns

LSD (0.25) = 2.4 ns ns

Matt Dahle

matt.dahle@firstseedtests.com, (507) 475-1240

C.V. = 6.9

Historic yield: 58.66 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.05 Prices: GMO = \$12.25

Report Date: 10/20/2026

Additional reports available at 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. *Earthoptics used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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2026 Soybeans Top 30 Harvest Report

Iowa Northeast [IANE] WATERLOO, IA

Rottinghaus Farms, Rottinghaus Farms, Black Hawk
County, IA 50703

Full-Season Test	Maturity Group 2.3 - 2.9 S2026IANE03b
Top 27 of 27	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Glufosinate, Zidua Sc, Flexstar, Glyphosate, Intensity
SOIL DESCRIPTION:	Marquis loam, mod. well drained, non-irrigated
SOIL CONDITION:	6.69 pH, 3.91% OM, 11.73 CEC, high P, high K, low S, mod. B, high Zn
TILLAGE/CULTIVATION:	Strip-Till
CROP PROTECTION:	Glyphosate (H), Zidua Sc (H), Glufosinate (H), Enlist (H), Intensity (H)
Applied N-P-K (units):	0-54-82
SEEDED - RATE - ROW:	May 9 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 20 128.0 /A
PEST & DISEASE RISK:	SDS, Fusarium, Brown Stem Rot, Septoria Brown Spot*

TEST COMMENTS:

This location received 15" of rain above normal this season, and many times that rain came in heavy downpours that had the chance to impact this site. Fortunately, this plot location is very well drained and shed the water easily. Plants stood well into harvest with little sign of disease pressure. Weeds were very well controlled, and no off-color or shriveled beans were seen in the sample.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE2470 ↗	E3,ST	2.4	M	73.6	9.3	0	127.7	902	1
P3 Genetics	2724E ↗	E3	2.4	M	71.6	9.3	1	128.3	877	2
Alloy	A24E37 GC ↗	E3	2.4	NA	70.8	9.0	0	128.3	867	3
FS HiSOY	HS 29E60 ↗	E3	2.9	PK	68.9	9.3	9	128.7	844	4
Genesis	G2410E ↗	E3	2.4	PK	68.1	9.3	2	127.3	834	5
FS HiSOY	HS 24E60 ↗	E3	2.4	M	66.6	9.1	6	126.7	816	6
Hoegemeyer	2405E ↗	E3	2.4	PK	66.0	9.1	1	128.3	808	7
Pioneer	P25Z11E GC ↗	E3	2.5	n/a	65.7	9.2	0	128.3	805	8
P3 Genetics	2623E ↗	E3	2.2	M	65.4	9.0	7	128.3	801	9
Hoegemeyer	2697E ↗	E3	2.6	PK	64.5	9.1	0	128.0	790	11
Apex	AE2770 ↗	E3	2.7	M	64.4	8.9	0	127.0	788	12
Fortus	2846ES ↗	E3,ST	2.8	M	63.9	8.9	0	128.7	783	13
Renk	RS266E ↗	E3	2.6	M	63.8	8.8	4	128.7	782	14
Apex	AE2360 ↗	E3	2.3	M	63.6	9.1	0	127.0	779	15
Xitavo	XO 2556E ↗	E3	2.5	PK	63.3	9.0	0	128.0	775	16
Hoegemeyer	2905E ↗	E3	2.9	PK	63.0	8.9	0	129.3	772	17
Genesis	G2300E ↗	E3	2.3	M	62.3	9.0	2	127.7	763	18
FS HiSOY	HS 23E40 ↗	E3	2.3	PK	62.2	9.2	0	129.3	762	19
Fortus	2775ES ↗	E3,ST	2.7	PK	61.8	8.8	3	127.7	757	20
Xitavo	XO 2777E ↗	E3	2.7	M	61.8	9.1	0	126.7	757	21
P3 Genetics	2626E ↗	E3	2.6	PK	61.8	9.0	1	126.7	757	22
Xitavo	XO 2366E ↗	E3	2.3	M	61.7	9.2	1	128.3	756	23
FS HiSOY	HS 25E30 ↗	E3	2.5	PK	61.1	9.1	3	127.7	748	24
Apex	AE2860 ↗	E3	2.8	M	60.1	8.8	0	128.7	736	25
Hoegemeyer	2876E ↗	E3	2.8	M	59.6	9.7	0	128.7	730	26
FS HiSOY	HS 28E50 ↗	E3	2.8	M	59.1	9.0	0	127.3	724	27
Pioneer	P23Z58E CK	E3	2.3	n/a	65.1	9.1	0	128.3	797	10
					Averages =	64.4	9.1	2	128.0	789
					LSD (0.10) =	3.3	0.3	3		
					LSD (0.25) =	1.7	0.1	2		
					C.V. =	4.9				
Matt Dahle					Historic yield: 58.66 bu/a, 11 yr(s)					
matt.dahle@firstseedtests.com, (507) 475-1240										
Yield & Income Factors:					Base Moisture = 13.0%	Shrink = 1.0	Drying = \$0.05	Prices: GMO = \$12.25		

Report Date: 10/20/2026

Additional reports available at www.firstseedtests.com

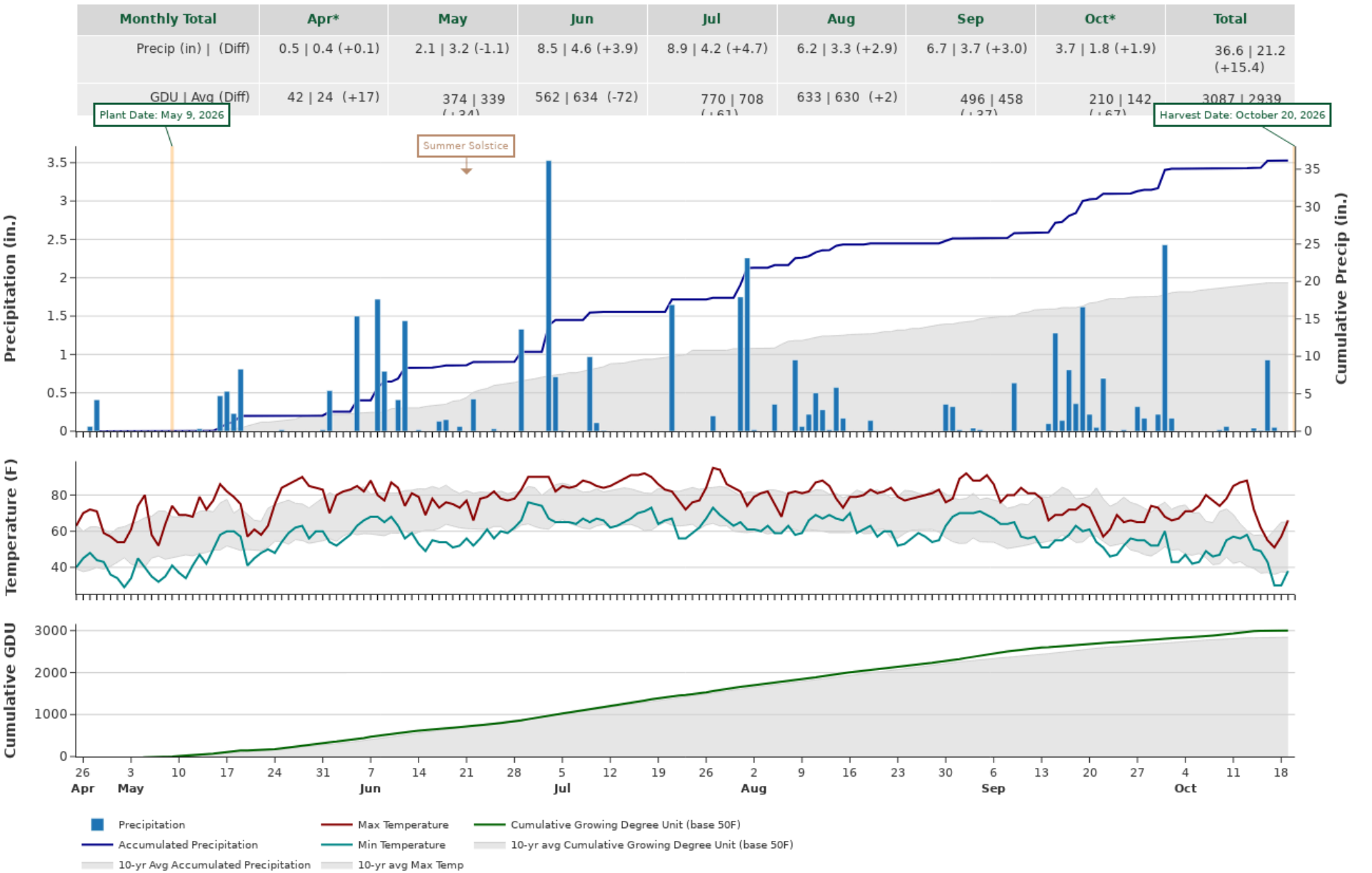
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. *[Earthoptics](#) used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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2026 Soybeans - Iowa Northeast [IANE]

Weather Conditions Summary at WATERLOO, IA

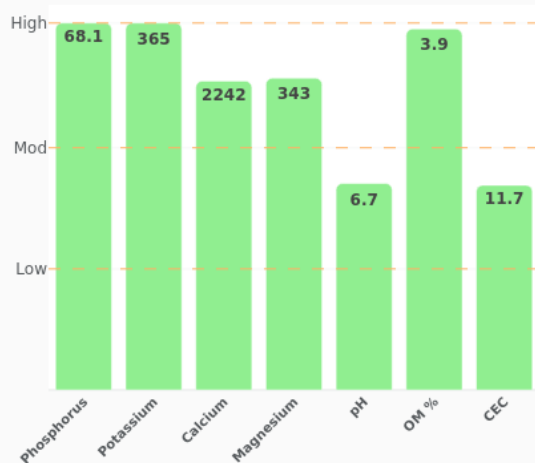
Weather Data Retrieved: 10/20/2026



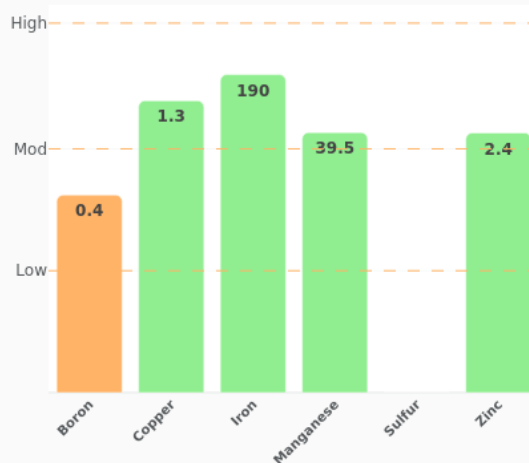
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

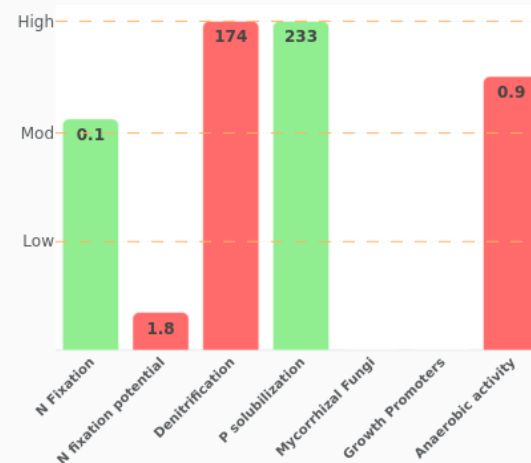
Macronutrients



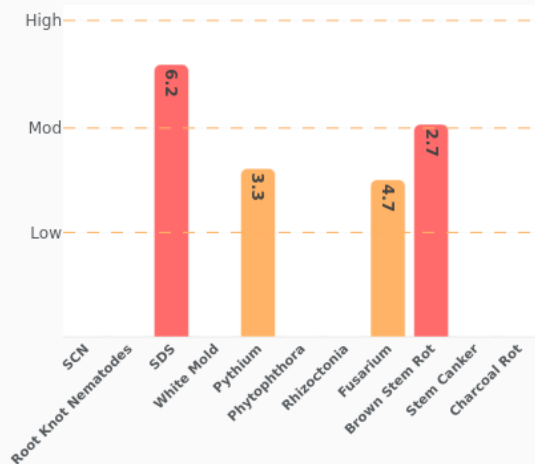
Micronutrients



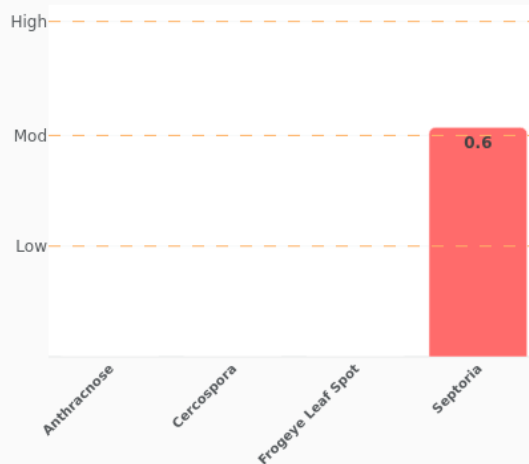
Biofertility Analytics



Below Ground Pest & Disease - Soybeans



Above Ground Pest & Disease - Soybeans



More Information

You can find more information about the EarthOptics and soil analytics reported at the following links:

- [Reported Analytics Descriptions](#)
- [Soil Nutrients & Fertility](#)
- [Analytics & Insights](#)
- [EarthOptics](#)

2026 Soybeans - Iowa Northeast [IANE]

Early-Season Test Products (26 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Alloy	A18E35	E3	NA	1.8	NA
Apex	AE1870	E3	M	1.8	STXPC 2.0, VI
Apex	AE1970	E3	M	1.9	STXPC 2.0, VI
Apex	AE2170	E3	M	2.1	C3FI,VI,TU,A3
Apex	AE2270	E3	PK	2.2	STXPC 2.0, VI
Connect	CT1825E	E3	PK	1.8	NA
FS HiSOY	HS 18E30	E3	PK	1.8	ACi,SA
FS HiSOY	HS 20E40	E3	M	2.0	ACi,SA
Genesis	G1800E	E3	M	1.8	Treated
Genesis	G1910E	E3	M	1.9	Treated
Genesis	G1980E	E3	PK	1.9	Treated
Genesis	G2110E	E3	M	2.1	STXPC 2.0, VI
Genesis	G2210E	E3	PK	2.2	Treated
Hoegemeyer	1937E	E3	PK	1.9	Lum,Lu,lud,il
Hoegemeyer	2056E	E3	PK	2.0	Lum,Lu,lud,il
Hoegemeyer	2395E^	E3	PK	2.3	Lum,Lu,lud,il
P3 Genetics	2520E	E3	PK	2.0	PGVO
P3 Genetics	2718E	E3	M	1.8	PGVO
P3 Genetics	2719E	E3	M	1.9	PGVO
Pioneer	P17Z39E	E3	PK	1.7	Untreated
Pioneer	P23Z58E	E3	NA	2.3	Untreated
Stine	18EJ32	E3	R	1.8	STXPC 2.0, VI
Stine	20EH92	E3	M	2.0	STXPC 2.0, VI
Xitavo	XO 1776E	E3	M	1.7	PV,IL,OB,Rey
Xitavo	XO 2087E	E3	M	2.0	PV,IL,OB,Rey
Xitavo	XO 2127E	E3	M	2.1	PV,IL,OB,Rey

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2026 Soybeans - Iowa Northeast [IANE]

Full-Season Test Products (27 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Alloy	A24E37	E3	NA	2.4	NA
Apex	AE2360	E3	M	2.3	PDU,Sa,Vt
Apex	AE2470	E3,ST	M	2.4	C3FI,VI,TU,A3
Apex	AE2770	E3	M	2.7	PDU,Vt
Apex	AE2860	E3	M	2.8	PDU,Sa
Fortus	2775ES	E3,ST	PK	2.7	ACi,SU2,VI
Fortus	2846ES	E3,ST	M	2.8	ACi,SU2,VI
FS HiSOY	HS 23E40	E3	PK	2.3	ACi,SA
FS HiSOY	HS 24E60	E3	M	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	PK	2.5	ACi,SA
FS HiSOY	HS 28E50	E3	M	2.8	ACi,SA
FS HiSOY	HS 29E60	E3	PK	2.9	ACi,SA
Genesis	G2300E	E3	M	2.3	Treated
Genesis	G2410E	E3	PK	2.4	Treated
Hoegemeyer	2405E	E3	PK	2.4	Lum,Lu,lud,il
Hoegemeyer	2697E	E3	PK	2.6	Lum,Lu,lud,il
Hoegemeyer	2876E	E3	M	2.8	Lum,Lu,lud,il
Hoegemeyer	2905E	E3	PK	2.9	Lum,Lu,lud,il
P3 Genetics	2623E	E3	M	2.2	PGVO
P3 Genetics	2626E	E3	PK	2.6	PGVO
P3 Genetics	2724E	E3	M	2.4	PGVO
Pioneer	P23Z58E	E3	NA	2.3	Untreated
Pioneer	P25Z11E	E3	NA	2.5	Untreated
Renk	RS266E	E3	M	2.6	Treated
Xitavo	XO 2366E	E3	M	2.3	PV,IL,OB,Rey
Xitavo	XO 2556E	E3	PK	2.5	PV,IL,OB,Rey
Xitavo	XO 2777E	E3	M	2.7	PV,IL,OB,Rey

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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.

Soybean Cyst Nematode (SCN) Resistance Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

Soybeans Technologies

E3	Enlist E3®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ACi,SU2,VI	Acceleron® Standard Insecticide-Fungicide, STEPUP 2.0, Victrato®
C3FI,VI,TU,A3	Corteva 3023 Fungicide + Insecticide (C-3023FI), Victrato®, Tri-Up™, Ascend® ST3™, Inoculant
Lum,Lu,lud,il	LumiGen,LumiTreo,Lumiderm,ILVEO HL
PDU,Sa	ProtectDUltra,Saltro
PDU,Sa,Vt	ProtectDUltra,Saltro,Victrato
PDU,Vt	ProtectDUltra, Victrato
PGVO	Profit Guard Victrato
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
STXPC 2.0, VI	Stine XP Complete 2.0, Victrato
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.