

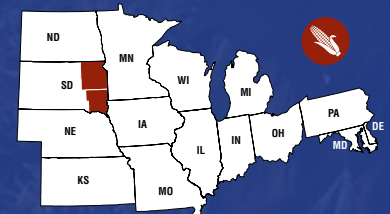
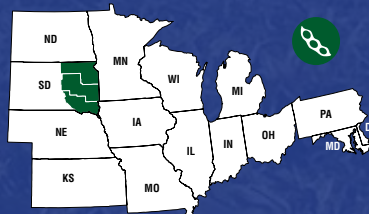
2021 Performance Summary

South Dakota



Mark Tollefson, FIRST Field Manager

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Summary of the 2021 Season



I am pleased to provide this summary of Farmers' Independent Research of Seed Technologies (FIRST) corn and soybean yield trials in South Dakota. The FIRST program is celebrating its 25th year of operations in 2021. FIRST provides a fair and objective platform under a uniform testing standard to compare seed productivity in a multitude of soil and growing conditions across 16 states. FIRST's work relies on an effective collaboration between cooperating farmers, sponsoring seed companies, and FIRST Field Managers. The continuing goal of the program is to deliver timely, unbiased comparisons of innovative seed genetics to improve yield and profitability for American farmers.

This year started off great during planting, with excellent conditions and earlier planting windows than we typically have. But the already dry conditions in the area persisted with a fairly severe drought setting in with very low June rainfall. Most areas started getting some rain in August and closer to harvest, but there were damaged corn and soybean plots throughout the area. In the soybean plots, the lack of rain made it difficult to have good herbicide activation. The conditions also may

have exacerbated herbicide drift problems, and two of FIRST's soybean plots were damaged by dicamba. With multiple technologies in the tests, the results could not be reported because of the disadvantage to non-tolerant plants.

However, considering the weather conditions, there were some surprisingly good yields this year. In the corn plots, several locations that saw major rainfall deficits overall must have gotten some well-timed showers that allowed average or better yields. Things were similar in the soybean plots, with drought stress lowering yield potential, but beans responding to late-season rains. Most of the plots still had decent yields.

I would like to thank all of our host farmers and seed companies for the time, effort and communication that they provide to help us conduct these trials in a professional and timely fashion. Their support and dedication towards the program have allowed us to supply all producers with a valuable tool when it comes to making good, solid seed selections for next year's crop.

Mark Tollefson

FIRST Testing Methodology and Procedures

TESTING PROGRAM

Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 16 states: Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (Figure 1 & Figure 2).

Testing regions have been established to provide similarity by geography and crop maturity. Seed products within a predefined maturity range (e.g., 106 to 116 RM corn or 0.7 to 1.5 maturity soybeans) are pooled into a single, all-season test or split into early- and full-season tests depending on entry volume. Products are planted at five or six corn test locations or four soybean locations within a region.

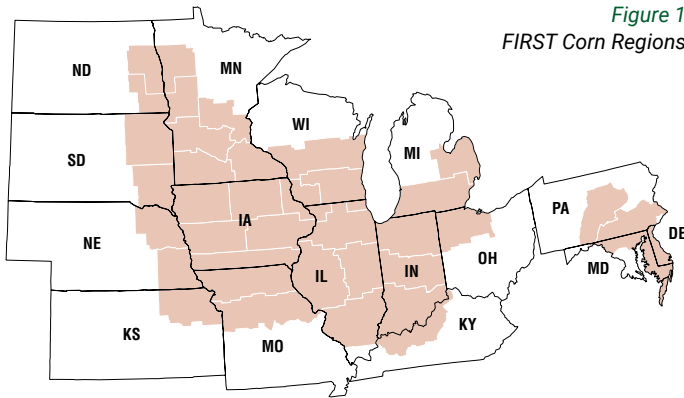


Figure 1
FIRST Corn Regions

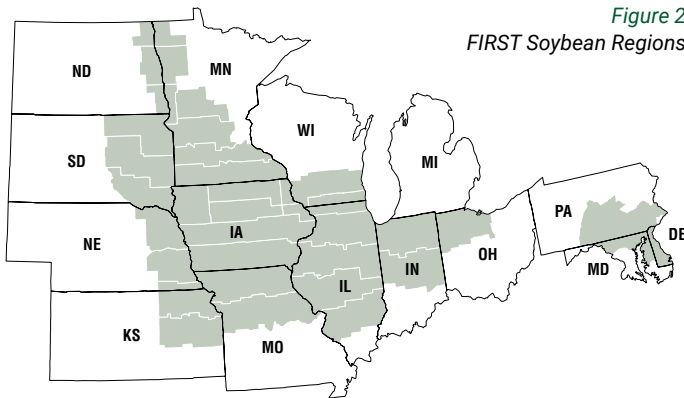


Figure 2
FIRST Soybean Regions

Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well-drained soils where farmer hosts use standard production practices for the area. Typically, all tests at a location are conducted adjacent to each other to minimize yield variance between tests.

Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits of desired test regions. They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. A1234 CK), chosen by FIRST Managers to bridge results between early- and full-season tests, and Grower Comparison products (GC after the product name), often provided by host farmers for their knowledge as test space permits.

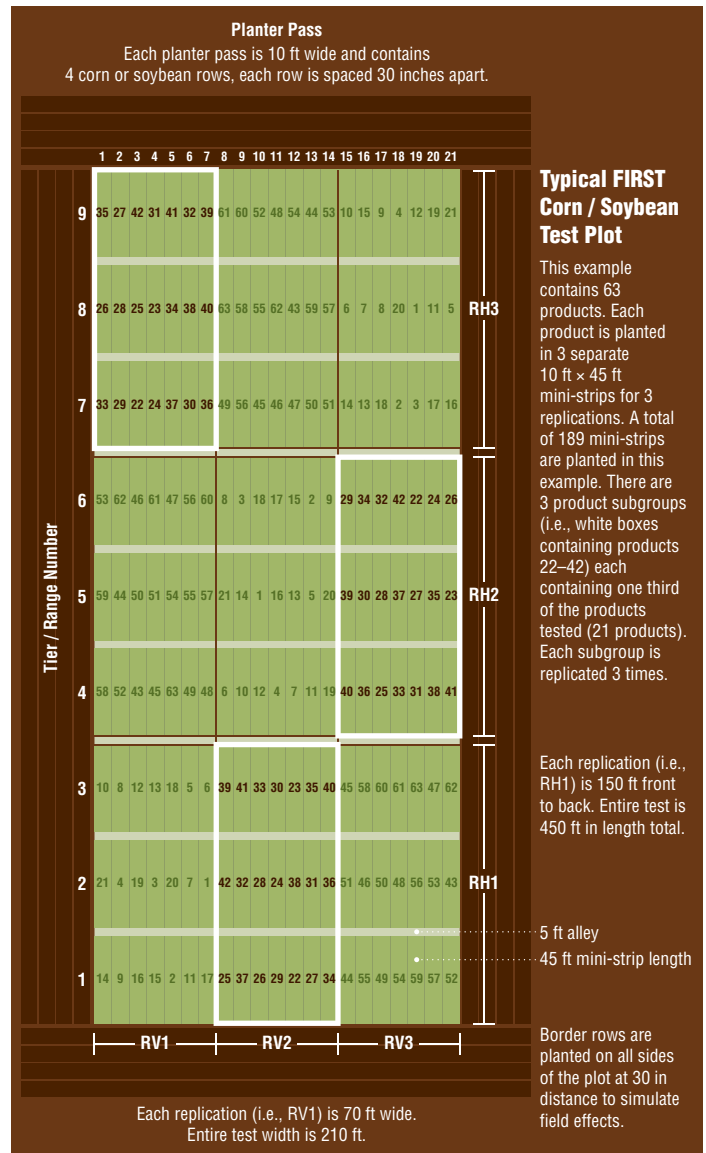
Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to

side. This provides more precision in yield measurement and flexibility should a disruptive event (i.e., standing water) require elimination of non-uniform test areas.

FIRST Field Managers package, randomize, and plant seeds into host grower fields using slightly modified commercial planting equipment to facilitate mini strip research. Individual plots (a.k.a. mini-strips) contain four corn rows spaced 30-inches apart, 45 feet in length (Figure 3). Soybean is planted in four rows spaced 30-inches apart or seven 15-inch spaced rows. Soil insecticide is typically applied to corn at planting. Seeding rate is based on standard area practices.

FIRST Managers measure yield from the center two corn rows or all soybean rows using customized commercial self-propelled combines. Grain from each plot is electronically weighed and moisture content measured. Soybean grain is sampled from one replicate per test for protein and oil content analysis.

Figure 3 FIRST Test Plot Layout



PERFORMANCE SUMMARIES

FIRST Corn Grain and Soybean Top 30 Harvest Reports are designed to identify high-yielding products at a single location. These reports are posted to www.firstseedtests.com generally within 2 days of harvest and provide product information, yield and agronomic results.

The Corn Grain and Soybean Top 30 Region Summary reports (Figures 4 & 5) identify products that consistently deliver top performance across a region by averaging product results from all test locations. These corn and soybean regional reports display grain Yield (Bu/A), grain Moisture (%), Lodging (%) and Gross Income (\$/A) averaged over all locations, presented alongside individual site yield results. This report is available shortly after the last Harvest Report for a region becomes available at www.firstseedtests.com

The 30 highest ranked Gross Income (\$/A) products are sorted by Yield (Bu/A) for public presentation. Nearly all tests include more than 30 products but only the Top 30 products are reported. The Region Summary Reports are compiled here for 2021 Southern Iowa.

Figure 4 Corn Grain Performance Summary

EARLY-SEASON TEST 93-98 Day CRM Top 30 of 56 tested											Results in BOLD are significantly ab vs test average.				
Company/Brand	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	For Lake	Ofsted	Plover	Ripon	Tamah		
DAIRYLAND	DS-3810Q	QR,B	98	230.2	18.3	1	\$784	4	264.6	230.8	165.2	216.1	274.5		
FEDERAL	4880 VT2P8B	VT2P8	98	229.4	16.3	1	\$794	1	261.3	228.1	180.0	245.8	231.8		
HEFTY	H452VT2P8B	VT2P8	93	229.2	17.0	1	\$788	2	263.5	236.0	201.3	220.9	244.1		
DAIRYLAND	DS-3550AM	AM,B	95	227.8	17.4	1	\$781	7	259.3	242.4	179.5	223.0	235.0		
JUNG	47DP429	VT2P8	97	227.7	16.9	1	\$782	5	269.1	252.1	146.2	222.6	248.5		
NORTHSTAR	NS-92-S13 STXR,B	STX,B	98	227.2	16.7	2	\$782	6	230.4	254.9	174.4	213.6	242.6		
THUNDER	T6098 VT2P	VT2P8	98	225.5	17.1	1	\$775	8	251.0	232.9	164.4	234.4	234.6		
PIONEER	P96080 GC	QR,B	96	224.3	17.0	1	\$771	10	257.9	230.5	176.7	222.7	234.0		
THUNDER	T6996 VT2P	VT2P8	96	223.9	16.7	1	\$772	9	248.3	238.2	153.9	226.0	253.3		
HEFTY	H454VT2P	VT2P	95	223.1	16.1	1	\$771	11	257.8	238.4	155.4	215.3	248.3		

Figure 5 Soybean Performance Summary

ALL-SEASON TEST MATURITY GROUP 1.8-2.5 Top 30 of 72 tested											Results in BOLD are significantly ab vs test average.				
Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Arington	Oregon	Pestle	Waterborn				
CRENZEN	CS-2121GTLT GC	LLGT27	1	68.8	11.1	6	\$619	72.8	61.8	73.9	66.8				
HS ISOY	HS-24X80	RRX	2.4	67.6	10.9	7	\$609	68.1	70.5	67.1	64.8				
GENESIS	G2190GL	LLGT27	2.1	67.5	10.9	6	\$607	73.0	61.7	73.7	61.6				
GOLDEN HARVEST	GH2230X	RRX	2.2	66.9	11.0	6	\$602	64.7	66.9	70.4	65.3				
TITAN PRO	T.20E-099	E3	2.2	66.7	11.3	9	\$600	65.3	62.4	72.5	66.5				
PIONEER	P28A15X U	RRX	2.3	66.6	11.0	8	\$600	67.9	63.4	65.7	69.5				
CRENZEN	CS-20A01GTLT GC	LLGT27	2.0	66.4	10.8	6	\$598	71.7	65.8	69.5	58.7				
GENESIS	G2550E	E3	2.5	66.4	11.1	8	\$598	70.3	62.8	68.9	63.7				
LATHAM	L-2549 R2X	RRX	2.5	66.1	10.8	7	\$595	70.6	64.9	67.3	61.3				
LATHAM	L-2549 R2X	RRX	2.2	65.9	10.6	9	\$594	69.2	62.9	70.4	61.2				

PERFORMANCE MEASUREMENTS

- A Yield (Bu/A)** – Harvested grain weight and grain moisture are used to convert yield results to bushels per acre at 15% moisture (base moisture) for corn and 13% moisture for soybean. Grain shrinkage is additionally applied to product yields exceeding the base moisture.
- B Moisture (%)** – A calibrated electronic sensor measures moisture content of harvested grain.
- C Lodging (%)** – Estimated percentage of corn plants leaning more than 45° from vertical or stalks broken below the ear at harvest. Encompasses both stalk and root lodging. Estimated soybean plant leaning (0% = all plants vertical, 100% = all plants flat on the ground).
- D Gross Income (\$/A)** – Harvested crop value in dollars per acre is derived by multiplying crop yield and price per bushel minus drying costs, if any, to reach base moisture. Each Harvest Report and Performance Summary details specific crop price and drying costs.
- E Gross Income Rank** – Gross Income values are sorted from high to low then numbered consecutively (1, 2, 3...) from highest to lowest value. Ties are broken based on higher yield, lower lodging and lower moisture values.

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

STATISTICS REPORTED

Least Significant Difference (LSD) is provided on all replicated results to facilitate valid product comparisons. Statistically, the LSD value is the minimum difference needed between two products to declare that one product is greater than another. FIRST calculates LSD at the 10% level (p = 0.10). Product yield differences equal or greater than the LSD (0.10) value would have been greater one versus the other nine times out of 10 (90% probability). Typically, low LSD values indicate high-quality test results. However, keep in mind that LSD values increase as: test yield level increases, p values decrease [i.e. LSD (0.05) value > LSD (0.10) value > LSD (0.25) value] and as data variability increases. Just because LSD values are higher in some tests vs. others does not mean the results are low quality. Multiple factors have a role in LSD value magnitude.

Coefficient of Variance (CV) measures the average difference between the replications of a test entry, averaged for all the entries in the test, then divided by the average of all observations recorded and expressed as a percentage. Higher values indicate more unexplained variability in proportion to the test average than lower values. Researchers within the seed industry may drop yield data from consideration when CV's are above 15% because the unexplained variance is high or the yield level is low or both. Low yield levels at a test site do not estimate yield potential well, nor are there as many or as great a difference between hybrids and varieties compared to higher yield conditions.

Data Rejected – If a data table has "Data Rejected" stamped across it, we have deemed this data is highly variable and of very poor quality, typically due to weather or uncontrolled factors. Rejection decisions are based on statistical analysis of yield results. Data with very high CV and/or low F-test values (the ratio of variability between entry averages divided by the variability between entry replications) are often rejected.

OTHER INFORMATION

Estimated Maturity (corn only) – Product maturity is determined by linear regression comparison of harvest grain moisture and company stated relative maturity (RM). Products with estimated maturity exceeding the test maximum by at least 1 RM are identified in italics. These products may have an unfair yield advantage over peers due to later maturity.

Bold Identified Mean – These product means are significantly better than the test average for that measured parameter.

Check Product (CK) – When early- and full-season tests are conducted at a site, an identical check product is planted in both tests. Check yield results allow growers to comparatively view product performance in both early- and full-season tests. No product yield adjustments are made based on check performance.

Grower Comparison (GC) products – These products, identified with a "GC" product name suffix, are often supplied by growers hosting test sites and included when space permits. Grower comparison products allow direct comparison to products in our tests.

United Soybean Board (USB) Products (soybean only) – Products identified with a "S" product name suffix are funded by soybean checkoff dollars. This program strives to gather yield and grain composition results from genetics that otherwise would not be available.

TECHNOLOGY CODE LEGEND

Product Suffix Key

CK	Check product found in early- and full- season tests
GC	Grower Comparison product from farmer cooperators or field manager
S	United Soybean Board sponsored entry

Corn Seed Technology Key

CODE	DESCRIPTION
3000GT	Agrisure® 3000GT (CB,RW,LL,GT)
3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3011	Agrisure® 3011 (CB,RW,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)
5222	Agrisure® Duracade® 5222 (Vip,CB,HX,RW,RW2,LL,GT)
5332	Agrisure® Duracade® 5332 (Vip,CB,HX,RW,RW2,LL,GT)
A	Agrisure® Artesian®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)
AQ	Optimum® AQUAmax®
CONV	conventional corn
DG	DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop tolerance)
GT	Agrisure® GT
PC	PowerCore™ (HX,VT2P)
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax® (VT3P,HXX)
TRE	Trecepta®
VT2P	VT Double PRO®

Corn Seed Treatment Key

ABBREVIATION	DESCRIPTION
NA	not available
Treated	Treated seed, unclassified
AC	Acceleron® unclassified
AC,P2	Acceleron® 250
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,WuxZN	Acceleron® + Wuxal Terios Zn
AL2500	Alert 2500, Surefi e
AVC,C2	Avicta® Complete 250
AVC,C5	Avicta® Complete 500
B-300	Acceleron® B-300 SAT
B-360	BioRise™ B-360 ST
BPS	Burrus PowerShield
C2	Cruiser 250
CM,C1	CruiserMaxx® 1250
CM,C2	CruiserMaxx® 250
CM,C5	Cruisermaxx® 500
EDC	Enhanced Disease Control
EDC-B	Acceleron® BASIC
EDC-EL	Acceleron® ELITE
Edge-CST	Vibrance® Cinco + Cruiser® (Midland Genetics)
Es	Escalate
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lu	Lumisena™
MSC	Miller Hybrids ShieldCoat™ with Vertex
MAG	ArmorGuard (Federal Hybrids)
MSC,FL,V-34	Miller Hybrids ShieldCoat™ with Vertex, STartUP™ FLUDI, STartUP™ Vitavax-34
P1	Poncho 1250
P1V	Poncho 1250/Votivo
RA	Radius 500 (Local Seed Co)

Sb	SabrEx Inoculant
SU	StepUp
Ti	Titan Corn 250 (M & W Seeds)
Vi	Vibrance®
Vi5	Vibrance® Cinco

Soybean Seed Technology Key

CODE	DESCRIPTION
CONV	Conventional
E3	Enlist E3® (2,4-D, choline, glyphosate, LL)
LLGT27	LibertyLink® GT27®
RR	glyphosate tolerant (formerly Roundup Ready)
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybean Seed Treatment Key

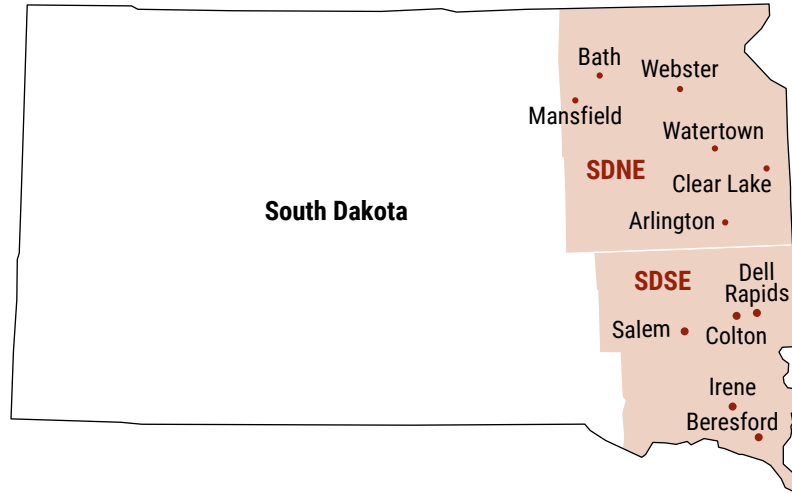
ABBREVIATION	DESCRIPTION
NA	not available
Treated	Treated seed, unclassified
Untreated	No seed treatment applied
A2020	Alert 2020 (Partners Brand Seed)
ACi	Acceleron® Standard Insecticide-Fungicide
AVC,C5,Vi	Avicta® Complete 500, Vibrance
ASfi,S	AgriShield Max with Saltro®
B-200	B-200 SAT
BPS-SDS	Burrus PowerShield® SDS
CMB	CruiserMaxx® Beans
CMBV	CruiserMaxx® Beans, Vibrance®
DST	Dominance 2 ST
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
ECT,NF,NH	Eclipse US Total Coverage Trio IM, N-Force, N-Hibit
Edge-SSST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Saltro® (Midland Genetics)
En	Encase, Excalibre-SA™
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Ga	Gaucho®
Gr+	Great Start Max Plus (Great Heart Seed)
HCS	Hefty Complete Soybeans
IL	ILeVO®
IS	Intego® Suite
Liftoff Stage 2	Insecticide-Fungicide (Rupp Seeds)
Lu	Lumisena™ (Corteva Agriscience)
Lum	LumiGEN™ (Corteva Agriscience)
MAG	Max Armor Guard (Federal Hybrids)
MAX	Maximize (Meherrin Ag)
OB	Obvius Plus
PG+	Profit Gua d+ (Cornelius Seed)
PS	Pro-Shield (Mid-Atlantic Seeds)
PV	Poncho/Votivo
RP	Radius Premium (Local Seed Co)
Ri	Rizolex
SA	Saltro®
SFI	Stine XP F&I
SS	SoyShield
Vi,Ti	Vibrance®, Trio
WyK	WyckOAT fueled by Soy-Defense (Wyckoff Hybrids)

Soybean Cyst Nematode (SCN) Resistance Rating

CODE	SOYBEAN CYST NEMATODE DESCRIPTION
NA	information is not available
S	susceptible
MR	moderate resistance
R	resistant

FIRST would like to thank the United Soybean Board for support and funding for the soybean entry and quality reporting program.

CORN REGIONS: SDNE, SDSE



Site Description: SDNE (See corn results table on page 6)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Arlington	Tim Bjorklund	silty clay loam	no-till	soybeans	64	10-May	26-Oct	28.8	218.3	178.3	9
Bath	Scott Sperry	silt loam	strip till	soybeans	156	11-May	3-Nov	29.7	234.3	202.8	19
Clear Lake	Greg Lanners	silty clay loam	conventional	oat	175	10-May	26-Oct	29.6	199.7	188.6	15
Mansfield	Chris Fischbach	silt loam	no-till	soybeans	176	12-May	4-Nov	30.1	227.0	231.5	2
Watertown	Myron Keltgen	silty clay loam	minimum	soybeans	175	11-May	24-Oct	29.6	189.9	212.1	10
Webster	Fred Zenk	silty clay	no-till	oat	70	13-May	1-Nov	29.5	168.1	165.5	12
									SDNE	170.2	19

Site Description: SDSE (See corn results table on page 7)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Beresford	Jason Frick	silty clay loam	conventional	soybeans	160	1-May	31-Oct	30.1	172.9	165.9	16
Colton	Floyd Snoozy	silty clay loam	conventional	soybeans	152	30-Apr	15-Oct	30.9	229.9	216.5	13
Dell Rapids	Levi Brown	silty clay loam	strip till	soybeans	200	30-Apr	29-Oct	31.0	251.0	212.8	3
Irene	Eric Mellum	loam	conventional	soybeans	207	16-May	4-Nov	30.6	108.8	235.6	1
Salem	Ernie Christensen	loam	conventional	soybeans	185	4-May	16-Oct	30.8	199.0	194.7	12
									SDSE	174.1	16

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2017-2021

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2021	2020	2019	2018	2017	Bu/A	#Years
SDNE	210.5	218.3	169.4	225.4	205.8	170.2	19
SDSE	191.9	221.3	167.3	234.3	219.1	174.1	16

CORN PRODUCTS TESTED

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
CHANNEL Channel Brand (Bayer CropScience) www.channel.com 800 N Lindbergh Blvd, St. Louis, MO 63167 (800) 768-6387					
199-29 STXRIB GC	STX	99	Y	AC,P5	MNWCb, SDNEb
DAIRYLAND Dairyland Seed Co., Inc. (Corteva Agriscience) www.dairylandseed.com PO Box 958, West Bend, WI 53095 (800) 236-0163					
DS-3162Q	QR	91	Y	Lum,P1V	MNEC, RRSOb, SDNEa
DS-3193AM	AM	91	Y	Lum,P1V	MNEC, RRSOb, SDNEa
DS-3366AM	AM	93	Y	Lum,P1V	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
DS-3550AM	AM	95	Y	Lum,P1V	MITH, MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
DS-3715AM	AM	97	Y	Lum,P1V	MITH, MNSEa, MNWCa, SDNEb, WICEa
DS-3727AM	AM	97	Y	Lum,P1V	MITH, MNSEa, MNSWa, MNWCa, SDNEb, WICEa
DS-3959Q	QR	99	Y	Lum,P1V	MISOa, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WICEb, WISOa
DS-4000AMXT	AMXT	100	Y*	Lum,P1V	MISOa, MITH, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa
DS-4014Q	QR	100	Y	Lum,P1V	MISOa, MITH, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WICEb, WISOa
DS-4018AM	AM	101	Y	Lum,P1V	ILNOu, MISOa, MITH, MNSWa, MNWCa, NCTSa, SDSEa, WICEb, WISOa
DS-4310AM	AM	103	Y	Lum,P1V	ILNOu, INNOa, MISOa, MITH, MNSEb, MNSWb, NCTSa, SDSEb, WISOa
DS-4440AM	AM	104	Y	Lum,P5V	ILNOu, INNOa, MISOb, MNSEb, MNSWb, NCTSa, SDSEb, WISOa
DEKALB DeKalb Brand (Bayer CropScience) www.dekalb.com 800 N Lindbergh Blvd, St. Louis, MO 63167 (800) 768-6387					
DKC47-54RIB CK	STX	97	Y	AC,P5V,EDC-EL	SDNEa, SDNEb
DKC48-95RIB GC	VT2P	98	Y	AC,P5V,EDC-EL	MNWCa, SDNEb
DENBESTEN DenBesten (Dakota's Best Seed) www.dakotasbestseedllc.com Dakota's Best Seed LLC, Platte, SD 57369 (605) 337-3318					
DB32-00	CONV	100	N	Treated	SDSEa
DB32-02	CONV	102	N	Treated	IANWa, MNSWa, SDSEb
DB38-06	CONV	106	N	Treated	IANWa, MNSWb, SDSEb
DYNA-GRO Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 (970) 685-3300					
D38VC80	VT2P	98	N	AC,P5V	SDNEb
D40VC41	VT2P	100	N	AC,P5V	MISOa, MITH, MNSWa, MNWCa, SDNEb, SDSEa
D43VC81	VT2P	102	N	AC,P5V	IANCa, MISOa, MITH, MNSEa, MNSWa, MNWCa, SDSEa
ENESTVEDT Enestvedt Seed Company www.enestvedtseeds.com 75802 County Rd. 12, Sacred Heart, MN 56285 (320) 765-2728					
E539	CONV	103	N	CM,C2,Vi	MNSEb, MNSWb, SDSEb
E598	CONV	106	N	AC250	MNSEb, MNSWb, SDSEb
E600DP RIB	VT2P	99	Y	AC250	MNSEa, MNSWa, MNWCa, SDNEb, SDSEa
E658DP RIB	VT2P	96	Y	AC250	MNSOu, MNWCa, SDNEb
E699DP RIB	VT2P	99	Y	AC250	MNSWa, MNWCa, SDNEb
EPLEY Epley Bros. Hybrids, Inc. 22494 Yale Ave, Shell Rock, IA 50670 (800) 728-6293					
E1530	CONV	105	N	Treated	MNSWb, SDSEb

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
FEDERAL Federal Hybrids www.federalhybrids.com 209 3rd St NE, West Bend, IA 50597 (515) 887-5888					
4185 VT2PRIB	VT2P	91	Y	AC,P2,MAG	SDNEa
4220 VT2PRIB	VT2P	92	Y	AC,P2,MAG	SDNEa
4300 VT2PRIB	VT2P	93	Y	AC,P2,MAG	MNEC, SDNEa
4520 VT2PDG	VT2PDG	95	N	AC,P5V,MAG	MNEC, MNSOu, SDNEa
4580 VT2PRIB	VT2P	95	Y	AC,P2,MAG	SDNEa, WICEa
4820 VT2P	VT2P	98	N	AC,P5V,MAG	IANOu, MNSEa, MNWCa, SDNEb, WICEa
4880 VT2PRIB	VT2P	98	Y	AC,P2,MAG	MNWCa, SDNEb
4990 VT2PRIB	VT2P	99	Y	AC,P2,MAG	IANOu, MNSEa, SDNEb, WICEb
4999 VT2PRIB	VT2P	99	Y	AC,P2,MAG	SDNEb
5000 VT2PRIB	VT2P	100	Y	AC,P2,MAG	SDNEb
5445 RR2	RR2	104	N	AC,P2,MAG	SDSEb
5610 PCE	PC,E	106	N	AC,P5V,MAG	IANCa, IANWa, MNSEb, MNSWb, NCTSa, SDSEb, WISOb
GREAT HEART Great Heart Seed www.greatheartseed.com 220 W Washington St, Paris, IL 61944 (877) 243-2071					
G00H12-5122 EZR	5122	100	Y	AVC,C2,Vi	IANOu, MISOa, MITH, SDNEb, WICEb
G02K39-3120 EZR	3120	102	Y	AVC,C2,Vi	MISOa, MITH, SDSEa
G03R40-5222 EZR	5222	103	Y	AVC,C2,Vi	IANWa, MISOa, OHNWa, SDSEb, WISOa
G05K08-5122A EZR	5122A	105	Y	AVC,C2,Vi	SDSEb, WISOb
G07G73-5122 EZR	5122	107	Y	AVC,C2,Vi	IANCb, IANWb, IASOa, ILECa, ILNOa, ILWCa, INSOa, MISOb, MNSEb, MNSWb, NCTsb, NENEa, OHNWa, SDSEb, WISOb
G91V51-5222A EZR	5222A	91	Y	AVC,C2,Vi	MNEC, RRSOb, SDNEa
G96R61-5222 EZR	5222	96	Y	AVC,C2,Vi	MNWCa, SDNEb, WICEa
G98M44-5122 EZR	5122	98	Y	AVC,C2,Vi	SDNEb
G99E68-5122 EZR	5122	99	Y	AVC,C2,Vi	IANOu, MISOa, MITH, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WICEb, WISOa
HEFTY Hefty Seed Company www.heftyseed.com 47504 252nd St, Baltic, SD 57003 (866) 769-7200					
H4032	VT2P	90	N	HC	SDNEa
H4132	VT2P	91	N	HC	MNEC, MNSOu, RRSOb, SDNEa
H4322 RIB	VT2P	93	Y	HC	MNEC, MNSOu, MNWCa, SDNEa
H4332 RIB	VT2P	93	Y	HC	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
H4653 RIB	VT2PDG	96	Y	HC	MNSOu, SDNEb
H4842 RIB	VT2P	98	Y	HC	IANOu, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WICEa
H4933 RIB	VT2PDG	99	Y	HC	IANOu, MNWCa, SDNEb, SDSEa, WICEb, WISOa
H4942 RIB	VT2P	99	Y	HC	IANOu, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WISOa
H5055	TRE	100	N	HC	IANOu, MNSWa, MNWCa, SDNEb, SDSEa, WICEb
H5132 RIB	VT2P	101	Y	HC	IANWa, ILNOu, MNSEa, MNSWa, MNWCa, SDSEa, WICEb
H5212 RIB	VT2P	102	Y	HC	MNSWb, NCTSa, SDSEb
H5432 RIB	VT2P	104	Y	HC	IANCa, IANWa, ILNOu, MNSEb, MNSWb, NCTSa, PACE, SDSEb, WISOa
H5442 RIB	VT2P	104	Y	HC	IANCa, IANWa, ILNOu, MNSEb, MNSWb, SDSEb, WISOa
H5444	STX	104	N	HC	IANCa, ILECa, ILNOu, ILWCa, MNSEb, MNSWb, NCTSa, SDSEb, WISOb
H5655	TRE	106	N	HC	IANCa, IANWa, IAWCa, ILNOa, MNSEb, MNSWb, NCTSa, NENEa, PASE, SDSEb, WISOb

CORN PRODUCTS TESTED

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
HEINE Heine Hybrid Seed Corn www.heineseeds.com 1014 E 320th St, Vermillion, SD 57069 (605) 677-8263					
6200VT2PRIB	VT2P	95	Y	AC250	SDNEa
6215VT2PRO	VT2P	95	N	AC,P5	SDNEa
6230VT2PRIB	VT2P	95	Y	AC250	SDNEa
6330DGV2PRO	VT2PDG	95	N	AC,P5V,EDC-B	SDNEa
6450VT2PRO	VT2P	95	N	AC,P5	SDNEa
6500VT2PRO	VT2P	98	N	AC250	MNSWa, SDNEb
6575VT2PRO	VT2P	99	N	AC,P5V,EDC-B	SDNEb, SDSEa
6600VT2PRO	VT2P	99	N	AC,P5	SDNEb
6650TRE	TRE	99	N	AC,P5	MNSWa, SDNEb, SDSEa
7010VT2PRIB	VT2P	100	Y	CM,C2	SDSEa
7010VT2PRO	VT2P	100	N	CM,C2	MNSWa, SDNEb
7275TRE	TRE	102	N	AC,P5V,EDC-B	SDSEa
7320PC	PC	102	N	CM,C5	SDSEa
7450VT2PRO	VT2P	104	Y	AC250	MNSWb, SDSEb
7520STX	STX	105	N	AC,P5	MNSWb, SDSEb
7570STX	STX	105	N	AC,P5V,EDC-B	MNSWb, SDSEb
7650VT2PRO	VT2P	106	N	AC,P5	SDSEb
7730VT2PRO	VT2P	107	N	AC,P5V,EDC-B	MNSWb, SDSEb
HI FIDELITY GENETICS Hi Fidelity Genetics www.hifidelitgenetics.com 326 W Geer St, Durham, NC 27701 (515) HFG-SEED					
HFG1002	CONV	100	N	AC250	IANOu, MNSEa, MNSWa, SDSEa
HFG1051	CONV	105	N	CM,C2	IANCa, IANWa, MNSEb, MNSWb, SDSEb
HFG1071	CONV	105	N	C2	IANCa, IANWa, MNSEb, MNSWb, SDSEb
INNOTECH Rob See Co www.robseeeco.com PO Box 129, Waterloo, NE 68069 (855) 450-1822					
IC4660-5222	5222	96	Y	AVC,C2,Vi	SDNEb
IC4881-5122-EZ	5122	98	Y	AVC,C2,Vi	MNSWa, SDNEb, SDSEa
IC4952-3010	3010	99	N	AVC,C2,Vi	SDSEa
IC5267-3120-EZ	3120	102	Y	AVC,C2,Vi	MNSWa, SDSEa
IC5480-3111A	3111A	104	N	AVC,C2,Vi	MNSWb, SDSEb
INTEGRA Integra Fortified Seed Wilbur-Ellis www.integrased.com 2219 229th Place, Ames, IA 50014 (515) 292-1300					
4041 VT2PRIB	VT2P	90	Y	AC,P5,SU	RRCEb, RRSOa, SDNEa
4119 VT2PRIB	VT2P	91	Y	AC,P2,SU	RRSOB, SDNEa
4311 VT2PRIB	VT2P	93	Y	AC,P5V,SU	MNWCa, RRSOb, SDNEa, WICEa
4509 VT2PRIB	VT2P	95	Y	AC,P2,SU	MNWCa, RRSOb, SDNEa
4702 VT2PRIB	VT2P	97	Y	AC,P5V,EDC-B	MNSWa, MNWCa, SDNEb, SDSEa, WICEa
5052 VT2PRIB	VT2P	100	Y	AC,P5V,EDC-B	MISOa, MITH, MNSWa, SDNEb, SDSEa
5280 VT2PRIB	VT2P	102	Y	AC,P2,SU	IANCa, IANWa, MISOa, MITH, MNSWa, MNWCb, NCTSa, SDSEa, WICEb, WISOa
5529 VT2PRIB	VT2P	105	Y	AC,P2,SU	IANCa, IANWa, INNOa, MISOb, MNSWb, NCTSa, OHNWa, SDSEb, WISOb
5682 VT2PRIB	VT2P	106	Y	AC,P5V,EDC-B	IAECa, IANCa, IANWa, IAWCa, ILECa, ILNOa, ILWCa, INNOa, MISOb, MNSWb, NCTSa, NENEa, OHNWa, SDSEb, WISOb
5719 VT2PRIB	VT2P	107	Y	AC,P2,SU	IAECa, IANCb, IANWb, IASOa, IAWCa, ILECa, ILNOa, ILWCa, INNOa, MISOb, MNSWb, MONOa, NCTsb, OHNWa, SDSEb, WISOb
LATHAM Latham Hi-Tech Seeds www.lathamseeds.com 131 180th St, Alexander, IA 50420 (877) 465-2842					
LH 4242 VT2P RIB	VT2P	92	Y	AC,P2	RRSOB, SDNEa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
LH 4375 VT2P RIB	VT2P	93	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
LH 4454 VT2P RIB	VT2P	94	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
LH 4517 VT2P RIB	VT2P	95	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
LH 4657 VT2P RIB	VT2P	96	Y	AC,P2	IANOu, MNWCa, SDNEb, WICEa
LH 4937 VT2P RIB	VT2P	99	Y	AC,P2	IANOu, MNWCb, SDNEb, WICEb
LH 4957 VT2P RIB	VT2P	99	Y	AC,P5V,EDC-B	IANOu, MNSEa, MNSWa, MNWCb, SDNEb, SDSEa, WICEb
LH 5025 VT2PDG RIB	VT2PDG	100	Y	AC,P2	SDNEb, SDSEa
LH 5047 VT2P RIB	VT2P	100	Y	AC,P2	IANOu, MNSEa, MNSWa, SDNEb, WICEb
LH 5159 SS RIB	STX	101	Y	AC,P5	IANCa, IANWa, MNSEa, MNSWa, MNWCb, SDSEa, WICEb
LH 5209 5222-EZ	5222	102	Y	AVC,C5	IANCa, IANWa, MNSEa, MNSWa, MNWCb, NCTSa, SDSEa
LH 5245 VT2P RIB	VT2P	102	Y	AC,P2	IANCa, IANWa, MNSEa, MNSWa, NCTSa, SDSEa, WICEb
LH 5377 VT2P RIB	VT2P	103	Y	AC,P2	IANWa, MNSEb, MNSWb, NCTSa, SDSEb
LH 5487 VT2P RIB	VT2P	104	Y	AC,P2	IANCa, IANWa, NCTSa, SDSEb
LH 5517 VT2P RIB	VT2P	105	Y	AC,P2	IAWCa, MNSEb, MNSWb, NCTSa, SDSEb
LH 5646 PCE	PC,E	106	N	CM,C2,Vi	IAECa, IAWCa, MNSEb, MNSWb, NENEa, SDSEb
MILLER HYBRIDS Miller Hybrids www.millerhybrids.com 1213 Larch Ave, Kalona, IA 52247 (866) 946-CORN					
M06-62	CONV	105	N	MSC	SDSEb
M09-01	CONV	108	N	MSC	IANWb, SDSEb
M98-70	CONV	98	N	MSC,FL,V-34	SDSEa
RX03-47	CONV	103	N	MSC	IANWa, SDSEb
RX97-40	CONV	97	N	MSC	SDSEa
NK BRAND NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 (800) 258-0521					
NK0243-5122 EZR	5122	102	Y	AVC,C2,Vi	IANCa, IANWa, MNSEa, MNSWa, MNWCb, SDSEa
NK0314-5122 EZR	5122	103	Y	AVC,C2,Vi	IANCa, IANWa, MISOa, MITH, MNSEb, MNSWb, NCTSa, PACE, SDSEb, WISOa
NK0624-5222 EZR	5222	106	Y	AVC,C2,Vi	MNSEb, MNSWb, SDSEb
NK0748-5122 EZR	5122	107	Y	AVC,C2,Vi	IAECa, IANCb, IANWb, IAWCa, ILECa, ILNOa, MNSEb, MNSWb, NCTsb, PACE, PASE, SDSEb, WISOb
NK9175-5222A EZR	5222A	91	Y	CM,C2,Vi	SDNEa
NK9653-5222 EZR	5222	96	Y	AVC,C2,Vi	IANOu, MITH, MNSOu, MNWCa, SDNEb, WICEa
NK9930-5122 EZR	5122	99	Y	AVC,C2,Vi	IANOu, MNSEa, MNSWa, MNWCb, SDNEb, SDSEa
NK9991-5122 EZR	5122	99	Y	AVC,C2,Vi	IANOu, MITH, MNSEa, MNSWa, MNWCb, SDNEb, SDSEa, WICEb, WISOa
PIONEER DuPont Pioneer (Corteva Agriscience) www.pioneer.com PO Box 454, Johnston, IA 50131 (800) 247-6803					
P0075Q GC	QR	100	Y	Lum	ILNOu, MNSEa, MNSWa, SDNEb, WICEb, WISOa
P0421Q GC	QR	104	Y	Lum	ILNOu, MNSEb, MNSWb, SDSEb
PROSEED Proseed, Inc. www.proseed.net 705 E Brewster, Harvey, ND 58341 (800) 776-3121					
1794 VT2PRIB	VT2P	94	Y	AVC,C2,Vi	RRSOB, SDNEa
1996 VT2PRIB	VT2P	96	Y	AVC,C2,Vi	SDNEb

For more yield results visit www.firstseedtests.co
FIRST does not make product endorsements.

CORN PRODUCTS TESTED

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
REA REA Hybrids (Bayer CropScience)					
www.rea-hybrids.com 4745 6th Ave SE, Aberdeen, SD 57402 (800) 592-1215					
3B912	VT2P	91	Y	AC,P5,B360	RRCEb, RRSOb, SDNEa
4B933	VT2P	93	Y	AC,P5,B360	RRSOb, SDNEa
4B944	VT2P	94	Y	AC,P5,B360	RRSOb, SDNEa
4B958	VT2P	95	Y	AC,P5,B360	RRSOb, SDNEa
4B965	VT2P	97	Y	AC,P2,B360	SDNEb
4B976	VT2P	97	Y	AC,P5,B360	SDNEb
5A013	STX	101	Y	AC,P5,B360	SDSEa
5B012	VT2P	101	Y	AC,P5,B360	SDSEa
5B984	VT2P	98	Y	AC,P5,B360	SDNEb, SDSEa
5B994	VT2P	99	Y	AC,P5,B360	SDNEb
6A055	STX	105	Y	AC,P5,B360	SDSEb
6B043	VT2P	104	Y	AC,P5,B360	SDSEb
6D054	VT2PDG	105	Y	AC,P5,B360	SDSEb

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
RENK Renk Seed Co.					
www.renkseeds.com 6809 Wilburn Rd, Sun Prairie, WI 53590 (800) BUY-RENK					
RK429-3220A	3220A	93	N	CM,C2	MITH, MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
RK485DGVT2P	VT2PDG	94	N	AC,P5V	MITH, MNEC, MNSOu, MNWCa, RRSOb, SDNEa
RK561VT2P	VT2P	96	Y	AC,P2	IANOu, MITH, MNWCa, SDNEb
RK579DGVT2P	VT2PDG	99	Y	AC,P2	IANOu, MIS0a, MITH, MNSEa, MNSWa, MNWcb, SDNEb, SDSEa, WICEb, WISOa
RK590VT2P	VT2P	98	N	AC,P5V	IANOu, MIS0a, MITH, MNSEa, MNSWa, MNWCa, SDNEb, SDSEa, WICEa
RK593VT2PRIB	VT2P	97	Y	AC,P2	IANOu, MIS0a, MITH, MNSEa, MNSWa, MNWCa, SDNEb, WICEa
RK600VT2P	VT2P	100	N	AC,P2	IANOu, MIS0a, MITH, MNSEa, MNSWa, MNWcb, SDNEb, SDSEa, WICEb, WISOa
RK625DGVT2P	VT2PDG	104	N	AC,P5V	IANCa, IANWa, ILNOu, MISOb, MNSEb, MNSWb, NCTSa, SDSEb, WISOa
RK642VT2P	VT2P	103	Y	AC,P2	IANCa, IANWa, ILNOu, MIS0a, MNSEb, MNSWb, NCTSa, SDSEb, WISOa
RK710DGVT2P	VT2PDG	107	Y	AC,P2	IAECA, IANCb, IANWb, IAWCa, ILNOa, ILWCa, INNOa, MISOb, MNSEb, MNSWb, NCTSa, NENEa, SDSEb, WISOa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
ROB-SEE-CO Rob See Co					
www.robseeco.com PO Box 129, Waterloo, NE 68069 (855) 450-1822					
RC4166-3110A	3110A	91	N	AVC,C2,Vi	RRSOb, SDNEa
RC4427-3220	3220	94	Y	CM,C2,Vi	SDNEa
RC4535-3110	3110	95	N	CM,C2,Vi	RRSOb, SDNEa
RC4817-CONV	CONV	98	N	Treated	SDSEa
RC5142-3110	3110	101	N	CM,C2,Vi	SDSEa
RC5323-3110	3110	103	N	CM,C2,Vi	SDSEb
RC5460-3000GT	3000GT	104	N	CM,C2,Vi	SDSEb
RC5510-3220	3220	105	Y	CM,C2,Vi	SDSEb

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
THUNDER Thunder Seed, Inc.					
www.thunderseed.com 806 Center Ave W, Dilworth, MN 56529 (888) 684-8633					
T6004 VT2P	VT2P	104	Y	AC,P2	SDSEb
T6100 VT2P	VT2P	100	Y	AC,P2	MNSEa, MNWcb, SDNEb, SDSEa, WICEb
T6107 VT2P	VT2P	107	Y	AC,P2	SDSEb

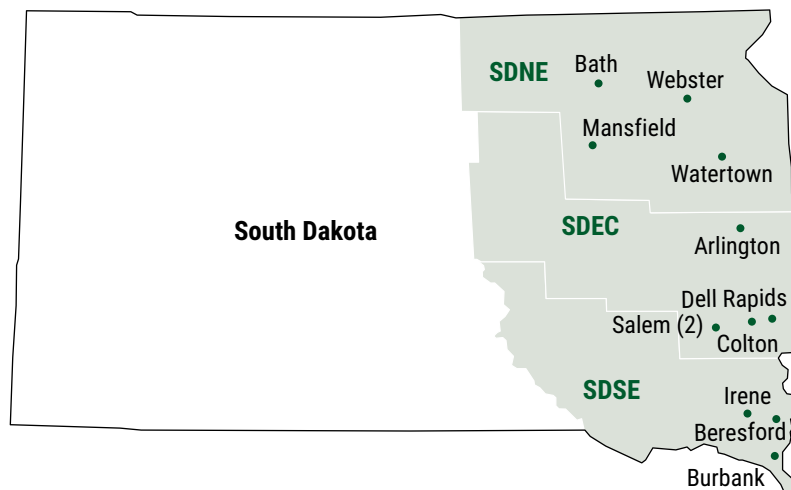
Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
T6204 VT2P	VT2P	104	Y	AC,P5,B360	SDSEb
T6294 VT2P	VT2P	94	Y	AC,P5,B360	MNWCa, RRSOb, SDNEa, WICEa
T6298 VT2P	VT2P	98	Y	AC,P5,B360	MNSEa, MNWCa, SDNEb, SDSEa, WICEa
T6595 VT2P	VT2P	95	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
T6791 VT2P	VT2P	91	Y	AC,P2	RRSOb, SDNEa
T6902 VT2P	VT2P	102	Y	CM,C2,Vi	MNSEa, MNWcb, SDSEa, WICEb
T6992 VT2P	VT2P	92	Y	AC,P2	RRSOb, SDNEa
T6993 VT2P	VT2P	93	Y	AC,P2	RRSOb, SDNEa
T6996 VT2P	VT2P	96	Y	AC,P2	MNWCa, SDNEb, WICEa
T6999 VT2P	VT2P	99	Y	AC,P2	MNSEa, MNWcb, SDNEb, SDSEa, WICEb
T8100 SS	STX	100	Y	AC,P5	MNSEa, MNWcb, SDNEb, SDSEa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
TITAN PRO Titan Pro SCI, Inc.					
www.titanprosci.com 1301 S 24th St, Clear Lake, IA 50428 (641) 357-7283					
11-98 2P	VT2P	98	Y	AC,P5	IANOu, MNSEa, MNSWa, MNWCa, SDNEb
16-00 5222	5222	100	Y	AVC,C2,Vi	MNWcb, SDNEb
22-00 2P	VT2P	100	Y	AC,P2	IANOu, MNSEa, MNSWa, MNWcb, SDNEb
24-04	CONV	104	N	AC,P2	IANCa, IANWa, MNSEb, MNSWb, SDSEb
82-95 2P	VT2P	95	Y	AC,P2	MNSOu, MNWCa, SDNEa
84-01	CONV	101	N	AC,P2	IANOu, MNSEa, MNSWa, SDSEa
92-99 2P	VT2P	99	Y	AC,P2	IANOu, MNSEa, MNWcb, SDSEa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
VIKING Viking (Albert Lea Seed House, Inc.)					
www.alseed.com/viking 1414 W Main St, Albert Lea, MN 56007 (800) 352-5247					
44-98	CONV	98	N	CM,C2,Sb	IANOu, MNSEa, MNSWa, SDSEa
46-02	CONV	102	N	CM,C2,Sb	IANCa, IANWa, MNSEa, MNSWa, SDSEa
51-04	CONV	104	N	CM,C2,Sb	IANCa, IANWa, MNSEb, MNSWb, SDSEb
52-00	CONV	100	N	CM,C2,Sb	IANOu, MNSEa, MNSWa, SDSEa
72-06	CONV	106	N	CM,C2,Sb	IANCb, IANWb, SDSEb
84-05	CONV	105	N	CM,C2,Sb	IANCa, IANWa, MNSEb, MNSWb, SDSEb

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
WYFFELS Wyffels Hybrids, Inc.					
www.wyffels.com 13344 US Hwy 6, Geneseo, IL 61254 (800) 369-7833					
W2016	VT2P	98	N	AC,P2	IANOu, MNSWa, SDSEa
W2236RIB	VT2P	99	Y	AC,P2	IANOu, MNSWa, SDSEa, WISOa
W2506RIB	VT2P	101	Y	AC,P2	IANCa, IANWa, MNSEa, MNSWa, NCTSa, SDSEa, WISOa
W2648	STX	101	N	AC,P5V	IANCa, IANWa, ILNOu, MNSEa, MNSWa, NCTSa, SDSEa, WISOa
W4196RIB	VT2P	105	Y	AC,P2	IAECA, IANCa, IANWa, IAWCa, ILECa, ILNOu, ILWCa, MNSEb, MNSWb, SDSEb, WISOa
W4246RIB	VT2P	105	Y	AC,P2	IAECA, IANCa, IANWa, IAWCa, MNSEb, MNSWb, SDSEb, WISOa
W4588	STX	105	N	P5V	IAECA, IAWCa, ILECa, ILWCa, MNSWb, NCTSa, SDSEb
W5086RIB	VT2P	107	Y	AC,P2	IAECA, IANCb, IANWb, IAS0a, IAWCa, ILECa, ILNOa, ILWCa, MNSEb, MNSWb, NCTSa, SDSEb, WISOa

SOYBEAN REGIONS: SDNE, SDEC, SDSE



Site Description: SDNE (See soybean results table on page 10)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Bath	Scott Sperry	silt loam	no-till	corn	--	13-May	23-Oct	110.1	58.9	52.9	15
Mansfield	Chris Fischbach	silt loam	no-till	corn	--	12-May	19-Oct	--	NR	67.3	2
Watertown	Myron Keltgen	silty clay loam	no-till	corn	--	11-May	19-Oct	112.2	57.4	47.8	7
Webster	Fred Zenk	silty clay	no-till	corn	--	13-May	29-Oct	111.0	50.0	43.5	15
									SDNE	49.1	15

Site Description: SDEC (See soybean results table on page 11)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Arlington	Tim Bjorklund	sandy clay	no-till	corn	--	15-May	6-Oct	116.6	58.4	51.9	9
Colton	Floyd Snoozy	silty clay loam	conventional	corn	--	7-May	3-Oct	--	NR	61.3	11
Dell Rapids	Levi Brown	silty clay loam	no-till	corn	--	7-May	8-Oct	115.4	64.8	66.6	3
Salem	Ernie Christensen	loam	conventional	corn	--	4-May	5-Oct	112.8	49.2	53.8	12
									SDEC	52.0	15

Site Description: SDSE (See soybean results table on page 11)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand × 1,000	Yield	Bu/A	Years
Beresford	Jason Frick	sandy clay loam	minimum	corn	--	16-May	9-Oct	113.4	38.9	44.7	16
Burbank	Tom Hall	silty clay loam	conventional	corn	--	16-May	5-Nov	110.7	62.3	56.9	1
Irene	Eric Mellum	loam	conventional	corn	--	15-May	5-Nov	--	NR	59.0	1
Salem	Ernie Christensen	loam	conventional	corn	--	5-May	5-Oct	116.3	64.3	53.8	12
									SDSE	49.1	15

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2017-2021

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2021	2020	2019	2018	2017	Bu/A	#Years
SDNE	55.2	59.4	46.2	55.4	50.0	49.1	15
SDEC	57.5	60.5	46.9	57.7	60.5	52.0	15
SDSE	55.4	54.3	53.9	66.2	58.6	49.1	15

Soybean Results: SDNE (See site description on page 9)

EARLY-SEASON TEST | MATURITY GROUP 1.0-1.3 | Top 30 of 40 tested Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Bath	Mansfi Id	Watertown	Webster
Thunder	TX8211N	RXF	1.1	61.0	15.1	2	\$727	73.0	45.4	58.1	48.9
Genesis	G1340E	E3	1.3	60.2	15.1	1	\$718	64.4	39.5	51.2	55.9
Xitavo	XO 1372E	E3	1.3	59.5	14.7	1	\$711	69.4	36.8	62.4	49.6
Xitavo	XO 1212E	E3	1.2	59.2	15.3	2	\$706	64.6	38.1	51.0	53.8
Zinesto	Z1101E	E3	1.1	59.0	15.0	1	\$705	63.3	34.2	59.5	54.8
Proseed	EL21-23N	E3	1.2	58.0	15.0	1	\$693	63.2	36.6	72.1	52.9
Pioneer	P11A44X S	RRX	1.1	57.9	15.0	2	\$691	64.9	46.2	59.8	50.8
Asgrow	AG12XF1 S	RXF	1.2	57.2	15.2	1	\$683	63.7	47.8	58.5	50.7
Hefty	H11XF2	RXF	1.1	57.1	15.4	1	\$681	62.8	46.1	60.8	51.4
Zinesto	Z1202E	E3	1.2	56.9	15.5	1	\$679	64.8	33.5	58.7	49.0
Proseed	EL91-33N	E3	1.3	56.8	15.3	1	\$678	60.5	33.2	58.3	53.1
Dahlman	1111E3N GC	E3,ST	1.1	56.3	14.9	1	\$673	57.8	41.3	58.8	54.9
Latham	L 1383 XF	RXF	1.3	55.8	15.0	2	\$666	62.4	43.6	56.0	49.2
Latham	L 1219 E3	E3	1.2	55.6	15.4	2	\$663	60.4	40.2	62.2	50.8
Dairyland	DSR-1290E	E3	1.2	55.6	14.9	2	\$664	66.3	37.0	55.4	44.9
Apex	AE1220	E3	1.2	55.3	15.2	1	\$661	63.2	37.6	55.0	47.5
Hefty	H10XF1	RXF	1.0	55.3	15.0	3	\$660	63.2	41.5	55.3	47.4
Genesis	G1260E	E3	1.2	55.0	15.4	2	\$656	59.5	38.0	53.6	50.5
Zinesto	Z1001E	E3	1.0	55.0	15.0	1	\$656	58.5	44.0	49.6	51.5
Dyna-Gro	S12XF92	RXF	1.2	54.8	15.2	1	\$654	59.6	45.6	58.3	50.0
REA	R1042XF	RXF	1.0	54.8	15.4	2	\$653	62.9	43.0	53.9	46.6
Xitavo	XO 1041E	E3	1.0	54.5	15.1	2	\$650	61.3	33.9	56.3	47.7
Loyal	L1240E	E3	1.2	54.4	15.3	2	\$648	58.7	39.0	62.6	50.0
Innotech	IS1283E3	E3	1.2	54.2	15.4	1	\$647	58.4	40.8	57.8	50.1
Credez	CZ 1331GTLL	LLGT27	1.3	54.1	15.2	1	\$646	59.6	34.9	52.3	48.7
Hefty	H12XF2	RXF	1.2	54.0	15.1	1	\$645	60.3	41.9	52.5	47.8
Stine	12EE63 U	E3	1.2	53.5	15.0	2	\$639	61.1	41.5	51.5	45.9
Thunder	TE7011N	E3	1.1	53.0	15.4	1	\$632	55.0	40.1	60.0	51.0
Innotech	IS1022E3	E3	1.0	53.0	15.1	1	\$632	60.2	32.1	56.9	45.7
Credez	CZ 1171GTLL	LLGT27	1.1	52.8	15.2	1	\$630	59.4	36.6	54.7	46.1
REA	R1350XF CK	RXF	1.3	62.4	15.2	2	\$744	70.4	50.4	55.1	54.3
Averages =				55.1	15.1	1	\$657	60.9	39.8	55.6	49.4
LSD (0.10) =				4.5	0.3	0.8		6.3	5.6	7.6	4.1

FULL-SEASON TEST | MATURITY GROUP 1.4-1.7 | Top 30 of 54 tested Results in BOLD are significantly above test average.

Apex	AE1720	E3	1.7	63.0	13.9	1	\$753	64.3	41.9	69.6	55.0
Zinesto	Z1702E	E3	1.7	62.8	14.0	3	\$750	69.8	47.8	58.3	60.3
Apex	AE1520	E3	1.5	61.0	13.6	2	\$730	63.4	40.7	65.9	53.8
NK Brand	NK17-M2XF	RXF	1.7	60.6	13.9	3	\$724	64.0	48.9	63.2	54.5
Genesis	G1760E	E3	1.7	60.3	14.0	2	\$721	65.1	41.4	65.2	50.7
Xitavo	XO 1632E	E3	1.6	59.4	13.8	3	\$710	62.0	37.4	63.6	52.5
Xitavo	XO 1761E	E3	1.7	59.2	13.4	2	\$708	60.3	38.2	67.2	50.1
Loyal	L1540E	E3	1.5	59.2	13.8	1	\$707	69.6	38.7	52.1	55.9
Pioneer	P16T58E GC	E3	1.6	59.0	13.8	3	\$705	66.1	38.0	61.4	49.4
Stine	17EE32 U	E3	1.7	58.5	13.8	5	\$699	59.4	42.4	60.7	55.3
Dyna-Gro	S16XF51	RXF	1.6	58.2	13.7	2	\$696	57.6	49.6	64.6	52.4
Latham	L 1558 E3	E3	1.5	57.9	13.7	1	\$692	62.8	35.4	55.2	55.6
Latham	L 1784 XF	RXF	1.7	57.6	13.6	3	\$688	60.1	45.5	64.2	48.4
Genesis	G1560E	E3	1.5	57.3	13.9	2	\$685	58.5	40.6	63.5	50.0
Golden Harvest	GH1762XF	RXF	1.7	57.3	14.0	2	\$685	59.8	53.8	55.9	56.3
Asgrow	AG15XF2 U	RXF	1.5	57.0	14.0	3	\$682	66.2	46.2	53.9	51.1
Dahlman	6015XN GC	RRX	1.5	56.8	13.8	3	\$680	67.4	50.5	54.5	48.6
Loyal	L1740E	E3	1.7	56.5	13.8	3	\$676	64.8	44.7	56.6	48.2
Innotech	IS1575E3	E3	1.5	56.5	13.7	3	\$676	52.1	43.1	65.7	51.8
Apex	AE1710	E3	1.7	56.3	13.3	2	\$674	55.6	41.5	61.5	52.0
Dyna-Gro	S15XF82	RXF	1.5	56.3	14.0	2	\$673	55.3	52.6	60.0	53.7
Stine	14EE01 U	E3	1.4	56.3	13.8	1	\$673	65.8	38.2	52.0	51.1
Thunder	SB8015N	RRX	1.5	56.0	13.9	2	\$669	58.1	49.8	58.5	51.4
Credez	CZ 1660GTLL	LLGT27	1.6	55.9	13.9	1	\$668	61.5	36.9	54.1	52.1
Thunder	TX8117N	RXF	1.7	55.6	13.7	3	\$664	61.9	51.6	58.0	46.8
Hefty	H14XF1	RXF	1.4	55.5	13.8	2	\$664	62.1	49.6	57.8	46.6
Zinesto	Z1601E	E3	1.6	55.5	13.4	3	\$664	57.0	41.2	62.6	46.8
Xitavo	XO 1451E	E3	1.4	55.5	13.9	3	\$664	54.8	40.7	62.0	49.7
Golden Harvest	GH1442XF U	RXF	1.4	55.4	13.8	2	\$662	52.6	47.9	60.3	53.3
Dahlman	1117E3N GC	E3	1.7	55.1	13.5	2	\$660	58.9	43.0	55.9	50.6
REA	R1350XF CK	RXF	1.3	55.8	13.9	2	\$667	61.1	46.0	51.3	55.2
Averages =				55.1	13.8	2	\$659	57.4	43.3	57.6	50.4
LSD (0.10) =				5.0	0.2	1.5		8.1	4.7	8.1	4.5

* early and full-season results not included in summary due to dicamba damage (Mansfield); early-season results not included in summary due to weed damage with high variety yield variation (Watertown)

Soybean Results: SDEC (See site description on page 9)

ALL-SEASON TEST | MATURITY GROUP 1.6-2.3 | Top 30 of 81 tested Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Arlington	Colton*	Dell Rapids	Salem
Golden Harvest	GH2102XF	RXF	2.1	64.8	13.2	1	\$776	67.6	59.7	76.2	50.5
Hefty	H16X1	RRX	1.6	64.8	13.2	2	\$776	76.1	54.5	66.3	52.0
Hefty	H18XF2	RXF	1.8	64.8	13.5	1	\$776	71.1	69.0	71.3	52.0
Latham	L 1784 XF	RXF	1.7	64.6	13.5	2	\$774	69.7	61.2	72.8	51.4
NK Brand	NK21-H4XF U	RXF	2.1	64.1	13.0	2	\$769	60.9	64.6	79.1	52.4
Apex	AE1720	E3	1.7	63.3	13.1	1	\$759	69.8	57.7	68.4	51.8
Thunder	TX8220N	RXF	2.0	62.2	13.0	1	\$746	63.2	57.1	67.6	55.9
Asgrow	AG18XF1 U	RXF	1.8	61.9	12.9	1	\$741	55.1	63.1	75.6	54.9
Dairyland	DSR-2040E	E3	2.0	61.8	13.1	1	\$741	65.8	53.8	63.7	56.0
Stine	20EE23 U	E3	2.0	61.7	13.5	2	\$739	55.9	62.9	71.9	57.3
Loyal	L1740E	E3	1.7	61.7	13.4	2	\$739	68.3	57.0	67.3	49.5
Xitavo	XO 1632E	E3	1.6	61.2	13.4	1	\$734	64.2	57.5	62.3	57.3
Credenz	CZ 2360GTLL	LLGT27	2.3	61.1	13.3	1	\$732	59.1	62.0	70.6	53.7
Xitavo	XO 1971E	E3	1.9	61.1	13.6	2	\$731	59.6	55.2	65.6	58.0
Latham	L 2193 E3	E3	2.1	60.9	13.5	2	\$729	58.2	56.4	71.4	53.2
Zinesto	Z1702E	E3	1.7	60.9	13.4	1	\$730	71.4	53.3	60.4	50.9
Xitavo	XO 1761E	E3	1.7	60.9	12.8	1	\$730	66.4	53.9	65.9	50.3
Thunder	TE7221N	E3	2.1	60.8	12.7	3	\$729	55.9	53.9	72.4	54.1
Asgrow	AG21XF0 U	RXF	2.1	60.6	13.3	1	\$726	51.6	53.3	68.5	61.8
Dairyland	DSR-1820E	E3	1.8	60.3	12.7	1	\$723	68.4	52.6	58.3	54.3
Genesis	G2060E	E3	2.0	60.0	13.2	4	\$719	57.1	67.0	65.1	57.9
Latham	L 2049 E3	E3	2.0	59.8	13.8	2	\$714	61.0	65.8	65.2	53.1
Pioneer	P21A28X U	RRX	2.1	59.7	12.9	2	\$715	57.3	63.9	70.7	51.0
Apex	AE2020	E3	2.0	59.6	13.4	1	\$714	66.9	60.4	65.7	46.2
Zinesto	Z2302SE	E3,ST	2.3	59.6	13.6	3	\$713	57.1	60.6	61.7	60.0
Loyal	L2040E	E3	2.0	59.5	13.5	2	\$712	56.0	61.3	64.4	58.2
Xitavo	XO 2282E	E3	2.2	59.3	13.7	2	\$709	57.3	58.7	68.6	51.9
Stine	17EE32 U	E3	1.7	58.9	13.2	2	\$706	71.2	56.7	63.0	42.7
Credenz	CZ 2121GTLL	LLGT27	2.1	58.8	13.3	1	\$704	51.8	61.9	66.8	57.8
REA	R1532XF	RXF	1.5	58.7	13.0	1	\$703	61.2	57.7	66.2	48.7
Averages =				57.4	13.3	1	\$688	58.4	58.0	64.8	49.3
LSD (0.10) =				6.6	0.6	0.9		8.2	5.1	6.7	9.3

* results not included in summary due to dicamba damage

Soybean Results: SDSE (See site description on page 9)

ALL-SEASON TEST | MATURITY GROUP 2.1-2.8 | Top 30 of 63 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Beresford	Burbank	Irene#	Salem
Zinesto	Z2401E	E3	2.4	67.0	12.9	1	\$803	60.8	72.5	22.3	67.7
Golden Harvest	GH2562XF U	RXF	2.5	64.1	13.2	1	\$766	54.6	68.8	15.7	68.8
Hefty	H28X8	RRX	2.8	63.9	12.9	2	\$766	52.9	71.2	32.3	67.7
Latham	L 2839 LLGT27	LLGT27	2.8	62.7	13.7	3	\$749	49.7	75.7	18.7	62.7
NK Brand	NK21-H4XF U	RXF	2.1	62.1	12.8	1	\$745	39.0	67.1	22.5	80.3
Latham	L 2887 R2X	RRX	2.8	61.8	12.7	2	\$741	45.2	78.6	26.4	61.8
Credenz	CZ 2760GTLL	LLGT27	2.7	61.1	13.2	1	\$731	38.1	68.6	21.0	76.6
Latham	L 2549 R2X	RRX	2.5	60.7	12.8	1	\$727	44.5	66.4	24.5	71.1
Innotech	IS2545E3	E3	2.5	60.0	13.7	1	\$718	44.4	64.7	25.0	71.0
Latham	L 2786 XF	RXF	2.7	60.0	13.7	1	\$718	48.3	68.6	28.0	63.1
Asgrow	AG26XF1 U	RXF	2.6	59.8	13.6	1	\$716	45.8	65.7	22.1	68.0
Xitavo	XO 2832E	E3	2.8	59.6	13.4	2	\$714	42.6	61.4	30.7	74.8
Hoegemeyer	2660 E	E3	2.6	59.5	13.0	1	\$713	45.5	62.6	26.4	70.4
Hefty	H25X0	RRX	2.5	59.4	12.8	1	\$712	39.1	67.9	24.5	71.3
Apex	AE2420S	E3,ST	2.4	59.0	13.4	1	\$707	48.6	62.7	21.3	65.8
Xitavo	XO 2501E	E3	2.5	59.0	13.0	2	\$707	42.0	63.0	22.6	72.0
Hefty	H26XF2	RXF	2.6	58.9	13.1	1	\$706	41.6	65.0	22.6	70.2
Latham	L 2638 E3	E3	2.6	58.4	13.3	1	\$698	52.1	64.8	28.5	58.2
Hoegemeyer	2141 E	E3	2.1	57.6	13.0	1	\$690	39.2	58.1	16.3	75.6
Golden Harvest	GH2292E3 U	E3	2.2	57.5	12.8	1	\$688	45.1	63.3	21.3	64.1
Stine	21EE62 U	E3	2.1	57.3	13.0	1	\$685	29.3	63.9	13.8	78.5
Hefty	H25XF1	RXF	2.5	57.2	13.7	1	\$684	39.2	61.7	18.3	70.7
Dyna-Gro	S27EN89	E3	2.7	56.5	13.2	1	\$677	42.5	60.6	14.7	66.4
Credenz	CZ 2360GTLL	LLGT27	2.3	56.4	13.2	1	\$675	38.1	63.9	16.3	67.3
REA	R2140XF	RXF	2.1	56.0	13.0	1	\$671	41.5	62.5	22.3	64.2
Dyna-Gro	S25EN41	E3	2.5	56.0	12.9	2	\$672	43.5	62.2	26.5	62.5
Credenz	CZ 2121GTLL	LLGT27	2.1	55.6	12.9	1	\$665	34.4	54.6	11.4	77.6
NK Brand	NK25-C9XF	RXF	2.5	55.3	12.9	1	\$663	30.9	66.2	20.8	68.8
REA	R2651XF	RXF	2.6	55.0	13.4	1	\$658	34.6	66.9	25.5	63.5
Stine	25EB32 U	E3	2.5	55.0	13.3	2	\$658	40.4	62.8	24.6	61.7
Averages =				55.2	13.1	1	\$661	38.9	62.1	21.6	64.3
LSD (0.10) =				5.7	0.4	0.7		9.7	6.2	6.5	9.5

* results rejected, not included in summary due to yield variability from drought damage

SOYBEAN PRODUCTS TESTED

Product/Brand	Technology	Maturity	SCN	StRt	Region(s) Tested
L 1383 XF	RXF	1.3	R	SS+,SA	MNCEa, MNNCb, RRSOb, SDNEa
L 1482 R2X	RRX	1.4	R	SS+,SA	RRSOb, SDNEb
L 1558 E3	E3	1.5	R	SS+,SA	MNCEa, MNNCb, MNCSa, SDNEb
L 1648 LLGT27	LLGT27	1.6	R	SS+	MNCEa, MNCSa, MNSOa, SDNEb
L 1758 E3	E3	1.7	R	SS+,SA	MNSCa, MNSOa, SDNEb
L 1769 R2X	RRX	1.7	R	SS+,SA	SDNEb
L 1784 XF	RXF	1.7	R	SS+,SA	IANOa, MNCEb, MNCSa, MNSOa, SDEC, SDNEb
L 1995 E3	E3	1.9	R	SS+,SA	MNCEb, MNSOa, SDEC
L 2049 E3	E3	2	R	SS+,SA	IANOa, IANWa, MNCEb, MNCSb, MNSOb, SDEC
L 2184 R2X	RRX	2.1	R	SS+,SA	IANOa, MNCSb, SDEC
L 2193 E3	E3	2.1	R	SS+,SA	IANCa, IANOa, IANWa, MNCSb, MNSOb, SDEC
L 2283 XF	RXF	2.2	R	SS+,SA	MNCSb, SDEC
L 2295 R2X	RRX	2.2	R	SS+,SA	MNSOb, SDEC
L 2379 E3	E3	2.3	R	SS+,SA	IANCa, IANOb, IANWa, MNSOb, NCSL, SDEC
L 2458 E3	E3	2.4	R	SS+,SA	IANCa, IANOb, IANWa, IASCa, NCSL, SDSE
L 2494 XF	RXF	2.4	R	SS+,SA	IANOb, IASCa, NCSL, SDSE
L 2549 R2X	RRX	2.5	R	SS+,SA	IANCa, IANOb, NCSL, SDSE
L 2638 E3	E3	2.6	R	SS+,SA	IANCb, IASCa, SDSE
L 2786 XF	RXF	2.7	R	SS+,SA	IANCb, IANWb, IASCa, NCSL, NENE, SDSE
L 2839 LLGT27	LLGT27	2.8	R	SS+,SA	IANWb, IASCb, NCSL, NENE, SDSE
L 2887 R2X	RRX	2.8	R	SS+,SA	IANCb, IANWb, NCSL, NENE, SDSE
L 2894 E3	E3	2.8	R	SS+,SA	IANCb, IANWb, IASCb, NCSL, NENE, SDSE

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L1240E	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNEa
L1440E	E3	1.4	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNEb
L1540E	E3	1.5	R	CMBV,SA	MNCEa, MNNCb, MNCSa, SDNEb
L1740E	E3	1.7	R	CMBV,SA	MNCEb, MNCSa, MNSOa, SDEC, SDNEb
L1940E	E3	1.9	R	CMBV,SA	MNCEb, MNCSb, MNSOa, SDEC, WISO
L1950E	E3	1.9	R	CMBV,SA	MNCEb, MNSOa, SDEC, WISO
L2040E	E3	2	R	CMBV,SA	MNCEb, MNCSb, MNSOb, SDEC, WISO
L2240E	E3	2.2	R	CMBV,SA	MNCSb, MNSOb, NCSL, SDEC, SDSE, WISO
L2440ES	E3,ST	2.4	R	CMBV,SA	NCSL, SDSE, WISO

NK BRAND | NK Brand (Syngenta)
www.nkseeds.com
2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 258-0521

NK14-C7XF	RXF	1.4	R	CMBV,SA	MNCEa, RRSOb, SDNEb
NK14-W6E3 §	E3	1.4	MR	CMBV,SA	SDNEb
NK17-M2XF	RXF	1.7	R	CMBV,SA	MNCEb, MNCSa, MNSOa, SDNEb
NK18-J7E3	E3	1.8	MR	CMBV,SA	SDEC
NK19-C8XF	RXF	1.9	R	CMBV,SA	IANOa, IANWa, MNCEb, MNCSb, MNSOa, SDEC
NK19-Y5E3 §	E3	1.9	R	CMBV,SA	SDEC
NK21-H4XF §	RXF	2.1	MR	CMBV,SA	IANOa, IANWa, MNCSb, MNSOb, SDEC, SDSE
NK22-C4E3	E3	2.2	R	CMBV,SA	IANOb, IANWa, MNCSb, MNSOb, SDSE, WISO
NK24-G7E3	E3	2.4	R	CMBV,SA	ILNO, SDSE
NK25-C9XF	RXF	2.5	MR	CMBV,SA	IANOb, IANWb, IASCa, SDSE
S10-E3	E3	1	R	CMBV,SA	SDNEa

PIONEER | DuPont Pioneer (Corteva Agriscience)
www.pioneer.com
PO Box 454, Johnston, IA 50131 | (800) 247-6803

P09A53X §	RRX	0.9	NA	Lum,Lu	MNNCa, SDNEa
P11A44X §	RRX	1.1	R	Lum,Lu,IL	MNNCb, SDNEa
P15A63X §	RRX	1.5	NA	Untreated	MNNCb, MNCSa, MNSOa, SDNEb
P16T58E GC	E3	1.6	R	Lum,Lu	SDNEb
P21A28X §	RRX	2.1	R	Lum,Lu	IANCa, IANOa, MNCSb, MNSOb, SDEC
P23A15X §	RRX	2.3	R	Lum,Lu	SDSE

PROSEED | Proseed, Inc.
www.proseed.net
705 E Brewster, Harvey, ND 58341 | (800) 776-3121

EL11-53N	E3	1.5	R	CMBV	SDNEb
EL21-23N	E3	1.2	R	CMBV	SDNEa
EL91-33N	E3	1.3	R	CMBV	SDNEa

REA | REA Hybrids (Bayer CropScience)
www.rea-hybrids.com
4745 6th Ave SE, Aberdeen, SD 57402 | (800) 592-1215

R1042XF	RXF	1	NA	ACi,IL	SDNEa
R1350XF CK	RXF	1.3	NA	ACi,IL	SDNEa, SDNEb
R1532XF	RXF	1.5	NA	ACi,IL	SDEC, SDNEb

Product/Brand	Technology	Maturity	SCN	StRt	Region(s) Tested
R2140XF	RXF	2.1	NA	ACi,IL	SDEC, SDSE
R2651XF	RXF	2.6	R	ACi,IL	SDSE

STINE | Stine Seed Company
www.stinseed.com
22555 Laredo Trail Adel, IA 50003 | (800) 362-2510

12EE63 §	E3	1.2	R	SFI	RRSOb, SDNEa
14EE01 §	E3	1.4	MR	SFI	MNCEa, MNNCb, RRSOb, SDNEb
17EE32 §	E3	1.7	R	SFI	MNCEb, MNCSa, MNSOa, SDEC, SDNEb
20EE23 §	E3	2	R	SFI	IANWa, MNCEb, MNCSb, MNSOb, SDEC, WISO
21EE62 §	E3	2.1	R	SFI	IANCa, IANOa, IANWa, MNCSb, MNSOb, SDEC, SDSE, WISO
24EE32 §	E3	2.4	R	SFI	IANOb, IASCa, ILNO, INNO, OHNW, SDSE, WISO
25EB32 §	E3	2.5	R	SFI	IANCa, IANOb, IANWb, IASCa, ILNO, INNO, NCSL, SDSE

THUNDER | Thunder Seed, Inc.
www.thunderseed.com
806 Center Ave W, Dilworth, MN 56529 | (888) 684-8633

SB8010N	RRX	1	R	AM	MNNCb, RRSOa, SDNEa
SB8015N	RRX	1.5	R	AM	MNCEa, SDNEb
TE7011N	E3	1.1	R	AM	MNNCb, RRSOb, SDNEa
TE7218N	E3	1.8	R	AM	MNCEb, SDEC
TE7221N	E3	2.1	R	AM	SDEC
TX8117N	RXF	1.7	R	AM	MNCEb, SDEC, SDNEb
TX8211N	RXF	1.1	R	AM	MNNCb, RRSOb, SDNEa
TX8215N	RXF	1.5	R	AM	MNCEa, MNNCb, SDNEb
TX8220N	RXF	2	R	AM	MNCEb, SDEC

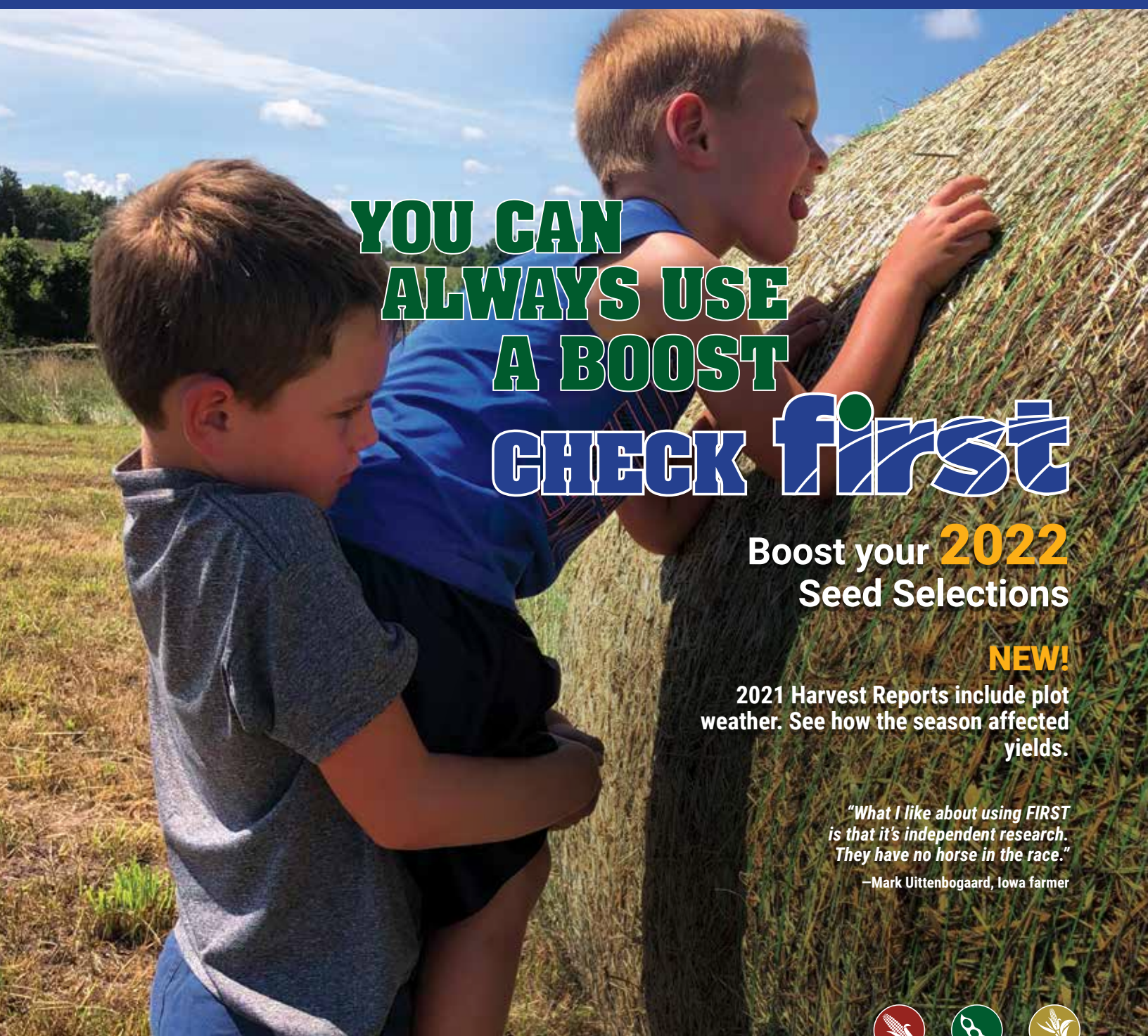
XITAVO | Xitavo (M.S. Technologies, L.L.C.)
www.xitavosoybeanseed.com
103 Avenue D, West Point, IA 52656 | (800) 362-2510

XO 1041E	E3	1	R	PV,IL,OB	MNNCb, RRSOa, SDNEa
XO 1212E	E3	1.2	R	PV,IL,OB	MNNCb, RRSOb, SDNEa
XO 1372E	E3	1.3	R	PV,IL,OB	MNCEa, MNNCb, RRSOb, SDNEa
XO 1451E	E3	1.4	R	PV,IL,OB	MNCEa, MNNCb, RRSOb, SDNEb
XO 1632E	E3	1.6	R	PV,IL,OB	MNCEa, MNCSa, MNSOa, SDEC, SDNEb
XO 1761E	E3	1.7	R	PV,IL,OB	IANOa, MNCEb, MNCSa, MNSOa, SDEC, SDNEb
XO 1822E	E3	1.8	R	PV,IL,OB	MNCEb, MNCSa, MNSOa, SDEC, WISO
XO 1971E	E3	1.9	R	PV,IL,OB	IANOa, IANWa, SDEC
XO 2181E	E3	2.1	R	PV,IL,OB	IANCa, IANOa, IANWa, MNCSb, MNSOb, NCSL, SDEC, SDSE, WISO
XO 2282E	E3	2.2	R	PV,IL,OB	MNSOb, NCSL, SDEC, SDSE, WISO
XO 2472E	E3	2.4	R	PV,IL,OB	IASCa, NCSL, SDSE, WISO
XO 2501E	E3	2.5	R	PV,IL,OB	IANCa, IANOb, IANWb, IASCa, IASOa, ILNO, NCSL, SDSE
XO 2832E	E3	2.8	R	PV,IL,OB	IANCb, IANWb, IASCb, IASOa, INNO, NCSL, NENE, OHNW, PASE, SDSE

ZINESTO | M.S. Technologies L.L.C.
www.zinestoseed.com
103 Avenue D, West Point, IA 52656 | (800) 352-2510

Z1001E	E3	1	R	DST4,SA	SDNEa
Z1101E	E3	1.1	R	DST4,SA	MNNCb, RRSOb, SDNEa
Z1202E	E3	1.2	NA	DST4,SA	MNNCb, RRSOb, SDNEa
Z1302E	E3	1.3	NA	DST4,SA	MNCEa, MNNCb, RRSOb, SDNEa
Z1411E	E3	1.4	R	DST4,SA	MNCEa, RRSOb, SDNEb
Z1502E	E3	1.5	NA	DST4,SA	MNCEa, MNNCb, MNCSa, SDNEb
Z1601E	E3	1.6	R	DST4,SA	MNCEa, SDEC, SDNEb
Z1702E	E3	1.7	NA	DST4,SA	IANOa, MNCEb, MNCSa, MNSOa, SDEC, SDNEb
Z1801E	E3	1.8	R	DST4,SA	MNCSa, MNSOa, SDEC
Z1802E	E3	1.8	NA	DST4,SA	IANOa, MNCEb, MNCSa, MNSOa, SDEC
Z1902E	E3	1.9	NA	DST5	IANOa, IANWa, MNCEb, MNCSb, MNSOa, SDEC
Z2002E	E3	2	NA	DST4,SA	IANOa, IANWa, MNCEb, MNCSb, MNSOb, SDEC
Z2101E	E3	2.1	R	DST4,SA	IANCa, MNCSb, MNSOb, NCSL, SDSE
Z2101G	LLGT27	2.1	R	DST4,SA	NCSL, SDSE
Z2202E	E3	2.2	NA	DST4,SA	IANCa, IANOb, IANWa, MNCSb, MNSOb, NCSL, SDEC, SDSE
Z2300E	E3	2.3	R	DST4,SA	IANOb, IASCa, SDSE
Z2302SE	E3,ST	2.3	NA	DST4,SA	IANCa, IANOb, IANWa, IASCa, MNSOb, NCSL, SDEC, SDSE
Z2401E	E3	2.4	R	DST4,SA	IANCa, IANOb, IASCa, ILNO, NCSL, SDSE
Z2700E	E3	2.7	R	DST4,SA	IANCb, IASCa, ILNO, NCSL, NENE, SDSE

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Urbana, IL 61803



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—Mark Uittenbogaard, Iowa farmer



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