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INSIDE

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2021 Performance Summary

South Dakota



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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.

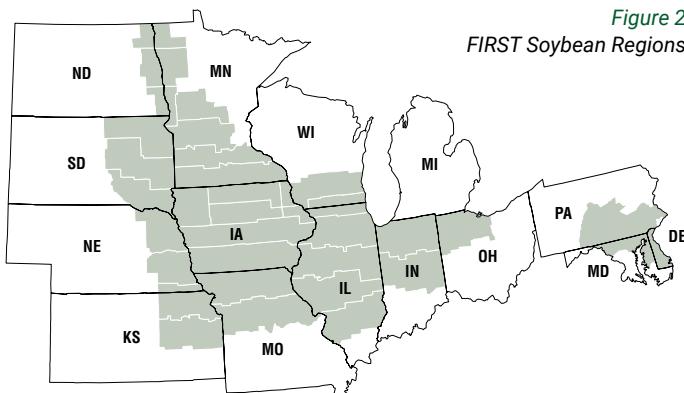
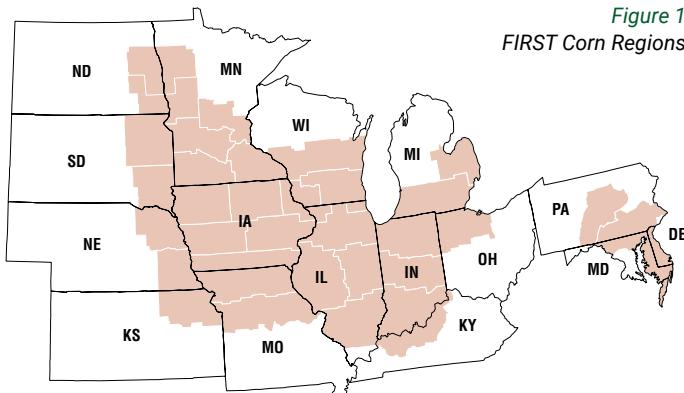
Mark Tollefson

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.



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 or 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.

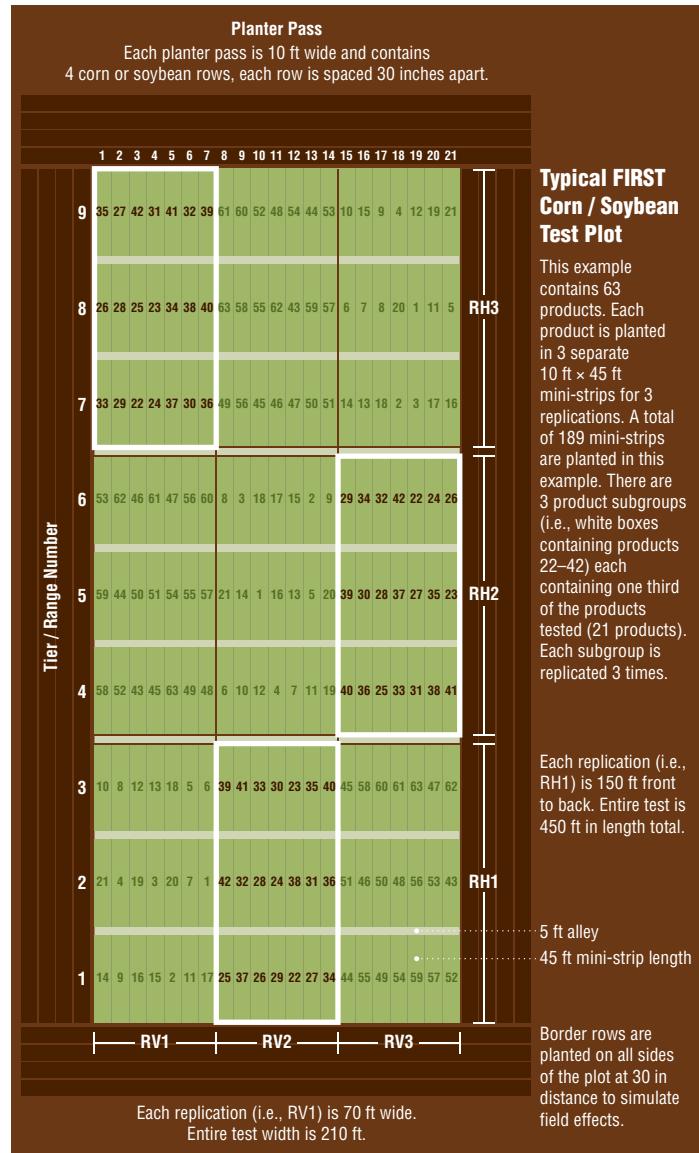
Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to

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



TESTING METHODOLOGY

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									
Company Brand	Product Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.
CHERRYLAND	US-58100	QRB	88	229.5	16.3	1	5794	4	241.3
FEDERAL	4880-VTPRIB	VT2PB	98	229.4	16.3	1	5794	4	238.1
HEFTY	H4322VTPRIB	VT2PB	93	229.2	17.0	1	5788	2	243.5
DARYLAND	DS-3550AM	AM,B	95	227.8	17.4	1	5781	7	259.3
JUNK	4720-VTPRIB	VT2PB	97	227.7	16.5	1	5782	5	269.1
THUNDERSTAR	NS-800-VTPRIB	VT2PB	98	227.6	16.7	1	5782	5	236.0
THUNDER	T6090-VTPRIB	VT2PB	98	225.5	17.1	1	5775	8	224.8
PIONEER	P6080-GC	QR,B	96	224.3	17.0	1	5771	10	251.0
THUNDER	P6090-VTPRIB	VT2PB	96	223.9	16.7	1	5772	9	229.0
HEFTY	H4542VTP2	VT2PB	95	223.1	16.1	1	5777	11	257.8

Figure 5 Soybean Performance Summary

ALL-SEASON TEST MATURITY GROUP 1.8-2.5 Top 30 of 72 tested									
Company Brand	Product Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.
CREDENZ	C2-2120-GTLL GC	LLGT27	2.1	68.8	11.1	6	\$619	72.8	61.8
FS INSYO	HS-550XG	RRX	2.1	67.6	10.8	8	\$595	68.1	70.7
GENESIS	G2190GL	LLGT27	2.1	67.5	10.9	8	\$607	73.0	61.7
GOLDEN HARVEST	GH2230X	RRX	2.2	66.8	11.0	6	\$602	64.7	73.7
ZEPHYR PRO	P23A15X U	RRX	2.2	66.6	11.5	6	\$605	65.3	61.6
PIONEER	P23A15X U	RRX	2.3	66.6	11.0	8	\$600	67.9	63.4
CREDENZ	C2-2040-GTLL GC	LLGT27	2.0	66.4	10.8	6	\$598	71.7	65.7
GENESIS	G2550	E3	2.5	66.4	11.1	8	\$598	70.3	62.8
LATHAM	L-2540-RX	RRX	2.5	66.1	10.8	7	\$595	70.4	63.7
LATHAM	L-2295-RX	RRX	2.2	65.9	10.6	9	\$594	69.2	62.9

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 “\$” 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 ey

CK	Check product found in early- and full- season tests
GC	Grover Comparison product from farmer cooperator or field manager
§	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® (YGB, HX, LL, RR2)
AMXT	Optimum® AcreMax® Xtreme (YGB, 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, unspecific
AC	Acceleron® unspecific
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)

Product Suffix Sb

Sb	SabreX Innoculant
SU	StepUp
Ti	Titan Corn 250 (M & W Seeds)
Vi	Vibrance®

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

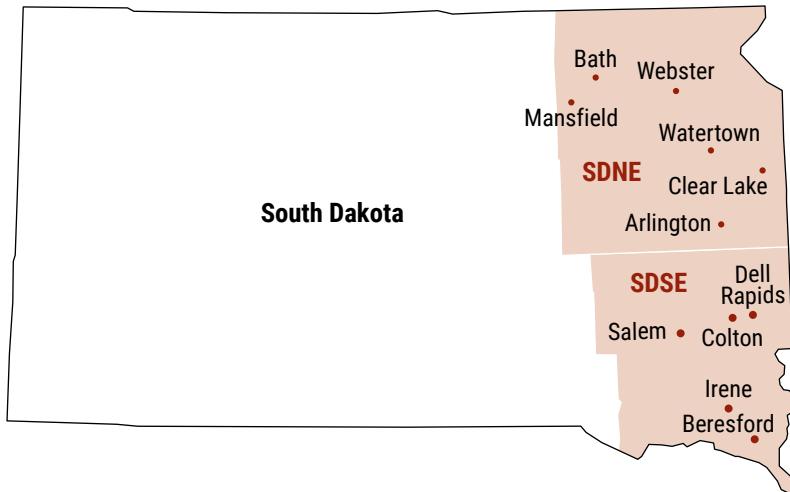
ABBREVIATION	DESCRIPTION
NA	not available
Treated	Treated seed, unspecific
Untreated	No seed treatment applied
A2020	Alert 2020 (Partners Brand Seed)
ACi	Acceleron® Standard Insecticide-Fungicide
AVC,C5,Vi	Avicta® Complete 500, Vibrance
ASf1,S	AgriShield Max with Salto®
B-200	B-200 SAT
BPS-SDS	Burrus PowerShield® SDS
CMB	CruiserMaxx® Beans
CMBV	CruiserMaxx® Beans, Vibrance®
DST	Dominance 2 ST
DST4,SA	Dominance 4 ST,Salto®
DST5	Dominance 5 ST
EcTC,NF,NH	Eclipse US Total Coverage Trio IM, N-Force, N-Habit
Edge-SST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Salto® (Midland Genetics)
En	Encase, Excalibre-SA™
EQV,SA	Equity VIP, Salto®
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 (Meherin 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	Salto®
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 x 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
Mansfiel	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 x 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 Results: SDNE (See site description on page 5)

EARLY-SEASON TEST | 91-95 Day CRM | Top 30 of 45 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Arlington	Bath	Clear Lake	Mansfield	Watertown [#]	Webster [#]
Heine	6450VT2PRO	VT2P	95	227.8	16.9	4	\$1,125	2	240.7	251.1	195.5	223.7	211.5	145.7
Thunder	T6992 VT2P	VT2P	92	227.2	16.2	4	\$1,127	1	212.9	250.4	197.1	248.4	191.4	138.6
Heine	6215VT2PRO	VT2P	95	224.9	16.7	5	\$1,112	3	212.0	248.8	213.0	225.8	199.7	168.2
Heine	6200VT2PRIB	VT2P	95	223.7	16.6	6	\$1,106	4	233.8	250.9	198.1	211.9	179.1	158.6
Integra	4311 VT2PRIB	VT2P	93	221.5	16.2	3	\$1,098	5	215.0	257.5	195.9	217.7	182.8	165.1
REA	4B958	VT2P	95	221.4	17.1	2	\$1,092	8	221.6	266.5	199.5	198.1	185.9	164.1
Hefty	H4332 RIB	VT2P	93	221.2	16.4	3	\$1,096	6	201.1	251.6	191.6	240.5	197.6	148.4
Heine	6230VT2PRIB	VT2P	95	220.8	16.5	2	\$1,093	7	219.1	241.7	193.0	229.5	200.7	172.3
Federal	4580 VT2PRIB	VT2P	95	219.5	16.7	4	\$1,085	9	219.5	242.2	184.0	232.2	214.4	158.5
Heine	6330DGVT2PRO	VT2PDG	95	219.1	16.8	4	\$1,083	11	234.4	229.3	194.4	218.4	184.9	174.5
Dairyland	DS-3550AM	AM	95	219.1	16.4	5	\$1,085	10	246.5	236.9	206.1	186.9	154.7	136.2
REA	4B944	VT2P	94	218.3	16.3	2	\$1,083	12	216.7	220.5	197.4	238.7	161.5	114.7
Thunder	T6993 VT2P	VT2P	93	217.4	16.1	3	\$1,079	13	219.7	237.1	192.5	220.4	180.0	160.7
Federal	4520 VT2PDG	VT2PDG	95	217.2	16.4	4	\$1,077	14	232.9	223.8	190.1	222.1	172.7	132.7
Hefty	H4322 RIB	VT2P	93	217.2	16.3	3	\$1,077	15	202.3	249.1	203.2	214.2	197.0	149.1
Renk	RK429-3220A	3220A	93	215.6	15.8	4	\$1,073	16	224.3	224.5	198.4	215.2	191.1	186.5
NK Brand	NK9175-5222A EZR	5222A	91	215.4	16.3	4	\$1,068	18	210.9	236.4	203.3	211.0	154.8	166.1
Latham	LH 4242 VT2P RIB	VT2P	92	215.4	16.2	5	\$1,068	17	215.6	246.9	195.9	203.1	209.6	149.5
Latham	LH 4454 VT2P RIB	VT2P	94	214.3	16.4	2	\$1,062	19	198.4	239.3	206.9	212.8	188.4	147.2
Thunder	T6595 VT2P	VT2P	95	213.9	16.6	2	\$1,058	21	218.1	245.9	190.0	201.5	194.0	162.2
Rob-See-Co	RC4535-3110	3110	95	213.4	16.3	3	\$1,058	23	239.2	255.9	176.5	181.9	146.8	161.7
REA	3B912	VT2P	91	213.0	15.7	6	\$1,060	20	229.6	240.7	183.3	198.4	173.7	152.4
Federal	4220 VT2PRIB	VT2P	92	213.0	16.0	4	\$1,058	22	188.9	251.1	192.2	219.8	165.5	154.0
Thunder	T6294 VT2P	VT2P	94	211.8	16.5	4	\$1,049	24	228.7	222.2	198.5	197.8	172.1	173.3
Titan Pro	82-95 2P	VT2P	95	210.8	16.6	3	\$1,043	26	208.4	245.9	195.5	193.3	183.0	164.9
Proseed	1794 VT2PRIB	VT2P	94	210.6	16.5	5	\$1,042	27	195.3	241.6	191.5	214.0	168.5	142.4
Rob-See-Co	RC4166-3110A	3110A	91	210.4	15.8	5	\$1,046	25	219.6	241.2	186.4	194.3	177.8	147.9
Federal	4300 VT2PRIB	VT2P	93	209.8	16.3	4	\$1,040	29	206.1	226.1	185.9	221.3	155.0	153.1
REA	4B933	VT2P	93	209.6	16.1	4	\$1,041	28	229.6	245.8	169.5	193.6	190.9	145.9
Federal	4185 VT2PRIB	VT2P	91	209.5	16.1	3	\$1,040	30	181.8	237.9	207.8	210.5	175.4	153.3
DeKalb	DKC47-54RIB CK	STX	97	203.6	17.1	4	\$1,004	40	222.8	210.9	187.2	193.5	164.6	157.9
Averages =				212.0	16.3	4	\$1,051		213.2	235.8	190.5	207.8	179.7	152.9
LSD (0.10) =				12.5	0.3	2.4			20.4	19.0	14.7	21.1	30.7	21.5

FULL-SEASON TEST 96-100 Day CRM Top 30 of 63 tested															Results in BOLD are significantly above test average.			
Heine	6500VT2PRO	VT2P	98	226.9	17.3	9	\$1,118	1	237.2	268.3	216.8	274.3	179.6	185.1				
REA	5B994	VT2P	99	225.8	17.2	5	\$1,113	2	241.0	264.5	203.4	244.8	209.3	191.6				
Renk	RK590VT2P	VT2P	98	224.2	17.3	6	\$1,104	3	230.6	241.8	212.1	261.6	202.5	196.9				
Dairyland	DS-4000AMXT	AMXT	100	222.0	17.2	5	\$1,095	4	252.4	255.0	217.9	255.3	180.0	171.7				
Heine	6575VT2PRO	VT2P	99	221.3	17.1	8	\$1,091	5	206.5	247.6	220.2	243.7	194.2	215.4				
Titan Pro	22-00 2P	VT2P	100	221.0	18.2	2	\$1,082	8	221.2	260.4	216.8	240.0	194.7	192.8				
Thunder	T6996 VT2P	VT2P	96	220.9	17.3	6	\$1,088	6	234.5	248.7	213.8	244.5	203.7	180.5				
Dyna-Gro	D38VC80	VT2P	98	220.0	17.4	6	\$1,084	7	220.8	274.1	214.4	254.0	184.1	173.0				
Titan Pro	11-98 2P	VT2P	98	218.4	17.2	4	\$1,076	9	217.8	224.3	219.3	275.7	193.2	180.0				
Heine	6600VT2PRO	VT2P	99	218.0	17.6	7	\$1,071	10	226.0	248.1	214.3	243.0	191.7	184.8				
Renk	RK561DGVT2PRIB	VT2PDG	95	217.2	17.4	2	\$1,070	11	236.3	237.2	206.7	245.3	207.2	170.7				
Proseed	1996 VT2PRIB	VT2P	96	215.9	17.5	4	\$1,062	14	216.6	219.6	221.4	227.1	220.5	190.1				
REA	4B965	VT2P	97	215.5	17.1	4	\$1,062	13	233.5	231.3	211.6	232.4	197.1	186.9				
Dairyland	DS-3959Q	QR	99	215.4	18.4	3	\$1,054	18	231.0	204.5	220.7	245.4	218.4	172.2				
Channel	199-29 STXRIB GC	STX	99	215.3	17.5	4	\$1,059	15	233.7	230.8	207.1	249.9	200.7	169.6				
Renk	RK579DGVT2P	VT2PDG	99	215.3	17.6	4	\$1,058	16	200.4	256.0	214.5	245.8	199.6	175.3				
Heine	6650TRE	TRE	99	214.5	17.6	6	\$1,055	17	242.9	238.0	212.4	252.8	166.3	174.7				
Hefty	H4942 RIB	VT2P	99	213.3	16.9	8	\$1,054	19	223.0	247.6	214.1	244.8	202.3	148.1				
Hefty	H4653 RIB	VT2PDG	96	212.6	17.2	6	\$1,049	20	225.8	228.1	207.6	227.1	188.6	198.8				
Federal	4990 VT2PRIB	VT2P	99	212.6	17.6	9	\$1,045	22	228.1	212.9	218.8	246.6	194.2	175.0				
Renk	RK593VT2PRIB	VT2P	97	212.4	17.6	4	\$1,044	25	214.5	233.6	210.0	246.9	182.8	186.6				
Thunder	T6298 VT2P	VT2P	98	212.2	17.1	5	\$1,047	21	208.8	243.8	213.6	230.6	193.9	182.3				
Federal	5000 VT2PRIB	VT2P	100	212.1	17.2	7	\$1,045	23	235.9	223.3	204.3	240.3	215.1	153.9				
Golden Harvest	G99E68-5122 EZR	5122	99	212.1	18.0	7	\$1,040	28	233.3	220.2	197.7	239.5	193.8	188.1				
REA	4B976	VT2P	97	211.5	17.0	6	\$1,044	24	237.7	238.7	218.4	237.1	162.5	174.9				
Integra	5052 VT2PRIB	VT2P	100	211.3	18.0	3	\$1,036	30	222.5	203.7	213.0	256.2	177.5	194.8				
Enestvedt	E699DP RIB	VT2P	99	211.2	17.0	5	\$1,042	27	238.0	244.7	204.5	241.4	168.5	170.2				
Dairyland	DS-4014Q	QR	100	211.0	17.8	5	\$1,037	29	209.2	250.1	208.4	258.5	174.1	166.1				
REA	5B984	VT2P	98	210.8	16.7	3	\$1,043	26	222.9	255.3	211.9	230.2	197.7	147.0				
Dairyland	DS-3715AM	AM	97	210.0	17.1	5	\$1,036	31	208.9	247.3	207.5	210.3	203.6	182.7				
DeKalb	DKC47-54RIB CK	STX	97	217.2	17.6	4	\$1,068	12	221.8	235.7	206.4	244.8	208.0	186.6				
Averages =				209.9	17.5	6	\$1,033		221.5	233.0	206.3	240.2	190.2	168.1				
LSD (0.10) =				10.8	0.3	3.7			15.9	23.5	12.0	17.9	23.0	29.7				

[#] 2 replications full-season test; [#] early-season test results rejected, not included in summary (Watertown, Webster)

Corn Results: SDSE (See site description on page 5)

EARLY-SEASON TEST | 98-102 Day CRM | Top 30 of 60 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Beresford	Colton	Dell Rapids	Irene [#]	Salem
									Beresford	Colton	Dell Rapids	Irene [#]	Salem
Wyffels	W2506RIB	VT2P	101	212.9	15.4	5	\$1,059	2	197.3	240.0	261.6	130.3	235.2
Latham	LH 5245 VT2P RIB	VT2P	102	212.5	15.1	5	\$1,059	1	199.9	247.8	260.5	131.2	223.0
Viking	46-02	CONV	102	210.2	15.5	3	\$1,044	3	181.2	260.0	265.8	104.7	239.1
Wyffels	W2648	STX	101	206.3	15.1	5	\$1,029	5	177.5	259.1	256.0	125.1	213.7
Heine	7275TRE	TRE	102	205.9	15.3	2	\$1,025	6	175.5	252.8	256.8	119.9	224.6
Heine	6650TRE	TRE	99	204.0	15.0	13	\$1,018	7	175.7	266.2	262.2	108.3	207.4
Innotech	IC5267-3120-EZ	3120	102	203.6	14.9	6	\$1,015	8	188.4	235.1	250.4	151.0	193.2
Rob-See-Co	RC4817-CONV	CONV	98	202.8	15.0	3	\$1,011	9	179.2	262.8	252.4	112.1	207.3
Thunder	T6902 VT2P	VT2P	102	202.4	15.4	3	\$1,007	10	197.7	237.9	243.0	98.1	235.4
REA	5B012	VT2P	101	200.4	14.9	7	\$1,001	11	176.8	264.6	251.3	107.3	201.9
Integra	5052 VT2PRIB	VT2P	100	200.3	15.3	4	\$997	12	197.6	242.4	254.2	110.4	197.1
Dyna-Gro	D43VC81	VT2P	102	199.7	15.4	6	\$992	15	155.2	258.3	244.7	129.7	210.6
REA	5A013	STX	101	199.1	15.0	12	\$993	13	193.7	252.2	255.7	105.0	189.3
Hefty	H4842 RIB	VT2P	98	199.1	15.0	6	\$992	14	176.1	246.7	248.9	108.8	214.8
Golden Harvest	G02K39-3120 EZR	3120	102	198.6	15.0	5	\$989	17	181.7	256.8	248.8	102.9	202.9
Rob-See-Co	RC5142-3110	3110	101	198.3	15.3	3	\$987	19	194.9	259.7	251.3	70.6	214.9
Heine	7320PC	PC	102	198.2	15.5	10	\$985	21	196.7	248.0	247.7	117.3	181.3
REA	5B984	VT2P	98	198.2	14.7	5	\$990	16	162.5	247.2	248.3	103.9	229.1
Dairyland	DS-4014Q	QR	100	198.1	15.1	5	\$987	18	171.1	244.1	251.4	136.1	188.0
Latham	LH 5209 5222-EZ	5222	102	197.9	16.0	6	\$979	26	166.8	250.5	262.6	98.4	211.3
Viking	44-98	CONV	98	197.4	14.6	2	\$986	20	160.5	251.6	242.3	119.6	213.1
Titan Pro	84-01	CONV	101	197.3	15.2	3	\$983	22	170.2	231.7	241.0	115.7	227.8
Hefty	H4933 RIB	VT2PDG	99	196.6	15.1	3	\$979	27	176.2	238.1	260.3	110.5	198.1
Innotech	IC4881-5122-EZ	5122	98	196.6	15.7	3	\$975	28	176.9	245.1	255.8	105.9	199.4
Thunder	T6999 VT2P	VT2P	99	196.5	15.0	8	\$980	24	181.1	253.3	245.2	95.2	207.7
Latham	LH 4957 VT2P RIB	VT2P	99	196.4	14.7	7	\$981	23	165.3	258.3	242.9	110.3	205.3
Hi Fidelity Genetics	HFG1002	CONV	100	196.1	14.8	9	\$980	25	161.8	237.6	252.0	128.8	200.3
Titan Pro	92-99 2P	VT2P	99	195.3	14.7	4	\$975	29	141.3	236.8	263.4	107.8	227.4
Hefty	H5132 RIB	VT2P	101	194.9	15.0	15	\$973	30	162.9	257.7	240.7	96.2	216.9
Hefty	H4942 RIB	VT2P	99	194.3	14.6	14	\$971	31	169.7	253.4	242.5	107.5	198.6
REA	5B994 CK	VT2P	99	207.6	14.8	3	\$1,037	4	158.9	267.4	267.1	128.3	216.5
Averages =				193.8	15.1	7	\$966		168.9	243.2	247.9	109.9	199.9
LSD (0.10) =				11.7	0.3	4.9			19.1	16.7	11.2	17.2	25.8

FULL-SEASON TEST 103-107 Day CRM Top 30 of 60 tested								Results in BOLD are significantly above test average.					
Thunder	T6004 VT2P	VT2P	104	206.8	15.8	5	\$1,026	1	208.6	231.1	269.2	125.6	199.6
Renk	RK625DGVT2P	VT2PDG	104	205.7	15.8	15	\$1,020	2	220.1	242.9	230.9	127.3	207.3
Rob-See-Co	RC5460-3000GT	3000GT	104	204.4	16.1	14	\$1,012	3	206.0	225.8	261.1	132.5	196.6
Wyffels	W5086RIB	VT2P	107	203.4	16.8	5	\$1,001	4	180.3	239.7	267.9	117.5	211.5
Rob-See-Co	RC5510-3220	3220	105	202.5	16.4	7	\$1,000	5	180.4	235.4	253.6	127.7	215.3
Viking	51-04	CONV	104	202.0	16.5	12	\$998	6	195.1	232.2	249.9	129.2	203.5
Dairyland	DS-4310AM	AM	103	200.8	16.3	2	\$993	7	194.1	209.4	256.7	137.3	206.6
Renk	RK710DGVT2P	VT2PDG	107	199.9	16.4	7	\$988	8	182.3	231.6	264.2	104.2	217.1
Latham	LH 5487 VT2P RIB	VT2P	104	199.0	16.2	7	\$985	9	166.4	237.8	254.7	130.8	205.4
Heine	7520STX	STX	105	198.6	15.9	6	\$984	10	174.1	213.9	270.1	114.2	221.0
REA	6B043	VT2P	104	197.4	15.7	5	\$980	11	189.1	209.5	243.1	132.0	213.3
Heine	7650VT2PRO	VT2P	106	197.3	16.3	8	\$975	12	162.7	214.8	289.3	92.3	227.5
Titan Pro	24-04	CONV	104	196.5	16.1	19	\$972	13	198.3	206.6	274.7	125.8	177.1
DenBesten	DB38-06	CONV	106	196.2	16.3	5	\$970	17	188.8	228.1	260.7	108.0	195.3
Hefty	H5432 RIB	VT2P	104	195.9	15.8	10	\$972	14	185.7	231.5	258.8	96.3	207.3
Latham	LH 5377 VT2P RIB	VT2P	103	195.7	15.7	9	\$972	15	162.5	227.1	259.2	115.1	214.8
Hefty	H5212 RIB	VT2P	102	195.5	15.7	7	\$970	16	178.6	226.4	263.9	119.6	189.1
Wyffels	W4246RIB	VT2P	105	195.2	16.1	4	\$966	19	146.0	215.9	267.8	125.7	220.8
Miller Hybrids	RX03-47	CONV	103	194.9	15.8	9	\$968	18	192.9	215.7	259.3	104.4	202.4
Wyffels	W4588	STX	105	194.9	15.9	3	\$965	21	166.1	204.0	269.3	117.9	217.1
Thunder	T6204 VT2P	VT2P	104	194.6	15.7	16	\$966	20	176.8	248.7	241.7	111.4	194.3
Heine	7730VT2PRO	VT2P	107	194.5	16.2	5	\$963	22	192.3	195.2	254.6	113.8	216.7
Integra	5529 VT2PRIB	VT2P	105	194.5	16.2	5	\$963	23	160.6	215.9	257.5	107.2	231.2
Integra	5719 VT2PRIB	VT2P	107	193.9	16.7	10	\$956	26	164.0	209.1	262.8	116.3	217.3
Latham	LH 5517 VT2P RIB	VT2P	105	193.7	16.4	14	\$958	25	183.8	221.0	248.9	109.3	205.5
Dairyland	DS-4440AM	AM	104	193.7	16.3	10	\$959	24	187.9	214.6	247.0	114.1	204.8
Wyffels	W4196RIB	VT2P	105	193.1	16.5	9	\$953	30	153.3	239.1	252.2	106.2	214.9
Enestvedt	E598	CONV	106	192.8	16.1	7	\$955	27	174.0	235.1	262.3	104.2	188.5
Heine	7570STX	STX	105	192.8	16.1	8	\$955	28	206.6	240.2	253.3	80.5	183.3
Enestvedt	E539	CONV	103	192.0	15.8	10	\$954	29	193.9	215.5	262.5	96.5	191.6
REA	5B994 CK	VT2P	99	188.9	15.5	10	\$940	38	179.3	191.5	245.6	113.6	214.8
Averages =				190.8	16.2	11	\$944		177.1	216.6	254.2	107.6	198.8
LSD (0.10) =				12.4	0.3	6.7			18.3	24.0	12.5	20.7	21.0

[#] 3 replications full-season test

CORN PRODUCTS TESTED

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) 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	4185 VT2PRIB	VT2P	91	Y	AC,P2,MAG	SDNEa						
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	4220 VT2PRIB	VT2P	92	Y	AC,P2,MAG	SDNEa						
DS-3193AM	AM	91	Y	Lum,P1V	MNEC, RRSOb, SDNEa	4300 VT2PRIB	VT2P	93	Y	AC,P2,MAG	MNEC, SDNEa						
DS-3366AM	AM	93	Y	Lum,P1V	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa	4520 VT2PDG	VT2PDG	95	N	AC,P5V,MAG	MNEC, MNSOu, SDNEa						
DS-3550AM	AM	95	Y	Lum,P1V	MITH, MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa	4580 VT2PRIB	VT2P	95	Y	AC,P2,MAG	SDNEa, WICEa						
DS-3715AM	AM	97	Y	Lum,P1V	MITH, MNSEa, MNWCa, SDNEb, WICEa	4820 VT2P	VT2P	98	N	AC,P5V,MAG	IANOu, MNSEa, MNWCa, SDNEb, WICEa						
DS-3727AM	AM	97	Y	Lum,P1V	MITH, MNSEa, MNWSa, MNWCa, SDNEb, WICEa	4880 VT2PRIB	VT2P	98	Y	AC,P2,MAG	MNWCa, SDNEb						
DS-3959Q	QR	99	Y	Lum,P1V	MISOa, MNSEa, MNWSa, MNWcb, SDNEb, SDSEA, WICEb, WISOa	4990 VT2PRIB	VT2P	99	Y	AC,P2,MAG	IANOu, MNSEa, SDNEb, WICEb						
DS-4000AMXT	AMXT	100	Y*	Lum,P1V	MISOa, MITH, MNSEa, MNWSa, MNWcb, SDNEb, SDSEA	4999 VT2PRIB	VT2P	99	Y	AC,P2,MAG	SDNEb						
DS-4014Q	QR	100	Y	Lum,P1V	MISOa, MITH, MNSEa, MNWSa, MNWcb, SDNEb, SDSEA, WICEb, WISOa	5000 VT2PRIB	VT2P	100	Y	AC,P2,MAG	SDNEb						
DS-4018AM	AM	101	Y	Lum,P1V	ILNOu, MISOa, MITH, MNWSa, MNWcb, NCTSa, SDSEA, WICEb, WISOa	5445 RR2	RR2	104	N	AC,P2,MAG	SDSEb						
DS-4310AM	AM	103	Y	Lum,P1V	ILNOu, INNOa, MISOa, MITH, MNSEb, MNWSb, NCTSa, SDSEA, WISOa	5610 PCE	PC,E	106	N	AC,P5V,MAG	IANCa, IANWa, MNSEb, MNWSb, NCTSa, SDSEb, WISOb						
DS-4440AM	AM	104	Y	Lum,P5V	ILNOu, INNOa, MISOb, MNSEb, MNWSb, NCTSa, SDSEA, WISOa	GREAT HEART Great Heart Seed											
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	G00H12-5122 EZR	5122	100	Y	AVC,C2,Vi	IANOu, MISOa, MITH, SDNEb, WICEb						
DKC48-95RIB GC	VT2P	98	Y	AC,P5V,EDC-EL	MNWca, SDNEb	G02K39-3120 EZR	3120	102	Y	AVC,C2,Vi	MISOa, MITH, SDSEa						
DENBESTEN DenBesten (Dakota's Best Seed)																	
www.dakotasbestseedllc.com Dakota's Best Seed LLC, Platte, SD 57369 (605) 337-3318							G03R40-5222 EZR	5222	103	Y	AVC,C2,Vi	IANWa, MISOa, OHNWa, SDSEb, WISOa					
DB32-00	CONV	100	N	Treated	SDSEA	G05K08-5122A EZR	5122A	105	Y	AVC,C2,Vi	SDSEb, WISOb						
DB32-02	CONV	102	N	Treated	IANWa, MNWSa, SDSEb	G07G73-5122 EZR	5122	107	Y	AVC,C2,Vi	IANCb, IANwb, IASo, ILECa, ILNOa, ILWCa, INSOa, MISOb, MNSEb, MNWSb, NCTSb, NENEa, OHNWa, SDSEb, WISOb						
DB38-06	CONV	106	N	Treated	IANWa, MNWSb, SDSEb	G91V51-5222A EZR	5222A	91	Y	AVC,C2,Vi	MNEC, RRSOb, SDNEa						
DYNA-GRO Dyna-Gro Seed (Nutrien Ag Solutions)																	
www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 (970) 685-3300							G96R61-5222 EZR	5222	96	Y	AVC,C2,Vi	MNWca, SDNEb, WICEa					
D38VC80	VT2P	98	N	AC,P5V	SDNEb	G98M44-5122 EZR	5122	98	Y	AVC,C2,Vi	SDNEb						
D40VC41	VT2P	100	N	AC,P5V	MISOa, MITH, MNWSa, MNWcb, SDNEb, SDSEA	G99E68-5122 EZR	5122	99	Y	AVC,C2,Vi	IANOu, MISOa, MITH, MNSEa, MNWSa, MNWcb, SDNEb, SDSEa, WICEb, WISOa						
D43VC81	VT2P	102	N	AC,P5V	IANCa, MISOa, MITH, MNSEa, MNWSa, MNWcb, SDSEA	HEFTY Hefty Seed Company											
ENESTVEDT Enestvedt Seed Company																	
www.enestvedtseeds.com 75802 County Rd. 12, Sacred Heart, MN 56285 (320) 765-2728							H4032	VT2P	90	N	HC	SDNEa					
E539	CONV	103	N	CM,C2,Vi	MNSEb, MNWSb, SDSEb	H4132	VT2P	91	N	HC	MNEC, MNSOu, RRSOb, SDNEa						
E598	CONV	106	N	AC250	MNSEb, MNWSb, SDSEb	H4322 RIB	VT2P	93	Y	HC	MNEC, MNSOu, MNWca, SDNEa						
E600DP RIB	VT2P	99	Y	AC250	MNSEa, MNWSa, MNWcb, SDNEb, SDSEA	H4332 RIB	VT2P	93	Y	HC	MNEC, MNSOu, MNWca, RRSOb, SDNEa, WICEa						
E658DP RIB	VT2P	96	Y	AC250	MNSOu, MNWCa, SDNEb	H4653 RIB	VT2PDG	96	Y	HC	MNSOu, SDNEb						
E699DP RIB	VT2P	99	Y	AC250	MNSWa, MNWCb, SDNEb	H4842 RIB	VT2P	98	Y	HC	IANOu, MNSEa, MNWSa, MNWca, SDNEb, SDSEa, WICEa						
EPLEY Epley Bros. Hybrids, Inc.																	
22494 Yale Ave, Shell Rock, IA 50670 (800) 728-6293							H4933 RIB	VT2PDG	99	Y	HC	IANOu, MNWcb, SDNEb, SDSEa, WISOa					
E1530	CONV	105	N	Treated	MNSWb, SDSEb	H4942 RIB	VT2P	99	Y	HC	IANOu, MNSEa, MNWSa, MNWcb, SDNEb, SDSEa, WISOa						
FEDERAL Federal Hybrids																	
www.federalhybrids.com 209 3rd St NE, West Bend, IA 50597 (515) 887-5888							H5055	TRE	100	N	HC	IANOu, MNWSa, MNWcb, SDNEb, SDSEb, WICEb					
HARVEST Harvest Seed Company																	
www.harvestseed.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5132 RIB	VT2P	101	Y	HC	IANWa, ILNOu, MNSEa, MNWSa, MNWcb, SDNEa, WICEb					
HEAVY HITTER Heavy Hitter Seed Company																	
www.heavyhittersd.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5212 RIB	VT2P	102	Y	HC	MNSWb, NCTSa, SDSEb					
HIGHWAY Highway Seed Company																	
www.highwaysd.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5432 RIB	VT2P	104	Y	HC	IANCa, IANWa, ILNOu, MNSEb, MNWSb, NCTSa, PACE, SDSEb, WISOa					
HOOTON Hooton Seed Company																	
www.hootonseed.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5442 RIB	VT2P	104	Y	HC	IANCa, IANWa, ILNOu, MNSEb, MNWSb, SDSEb, WISOa					
HYBRID 77 Hybrid 77 Seed Company																	
www.hybrid77sd.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5444	STX	104	N	HC	IANCa, ILECa, ILNOu, ILWCa, MNSEb, MNWSb, NCTSa, SDSEb, WISOb					
INTEGRITY Integrity Seed Company																	
www.integrityseed.com 1000 1st Street, Webster, SD 57003 (605) 632-2000							H5655	TRE	106	N	HC	IANCa, IANWa, IAWCa, ILNOu, MNSEb, MNWSb, NCTSa, NENEa, PACE, SDSEb, WISOb					

CORN PRODUCTS TESTED

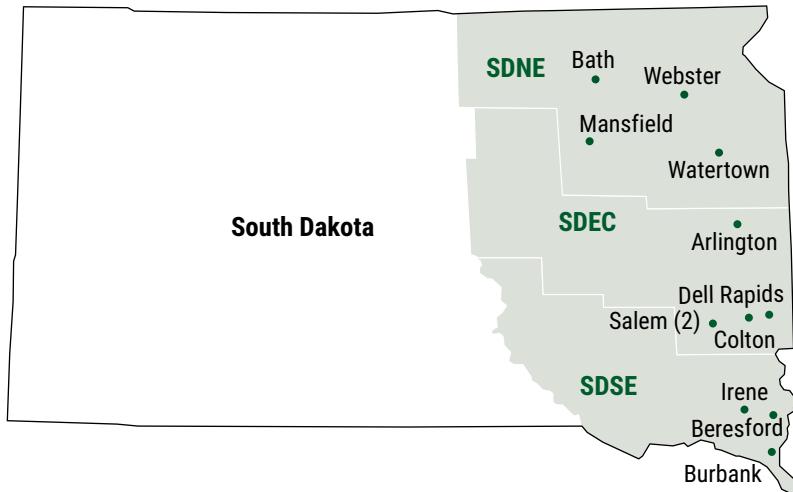
Product/Brand	Technology	Maturity	RIB	STr	Region(s) Tested	Product/Brand	Technology	Maturity	RIB	STr	Region(s) Tested						
HEINE Heine Hybrid Seed Corn www.heineseeds.com 1014 E 320th St, Vermillion, SD 57069 (605) 677-8263																	
6200VT2PRIB	VT2P	95	Y	AC250	SDNEa	LH 4375 VT2P RIB	VT2P	93	Y	AC,P2	MNWCa, RRSoB, SDNEa, WICEa						
6215VT2PRO	VT2P	95	N	AC,P5	SDNEa	LH 4454 VT2P RIB	VT2P	94	Y	AC,P2	MNWCa, RRSoB, SDNEa, WICEa						
6230VT2PRIB	VT2P	95	Y	AC250	SDNEa	LH 4517 VT2P RIB	VT2P	95	Y	AC,P2	MNWCa, RRSoB, SDNEa, WICEa						
6330DGVT2PRO	VT2PDG	95	N	AC,P5V,EDC-B	SDNEa	LH 4657 VT2P RIB	VT2P	96	Y	AC,P2	IANoU, MNWCa, SDNEb, WICEa						
6450VT2PRO	VT2P	95	N	AC,P5	SDNEa	LH 4937 VT2P RIB	VT2P	99	Y	AC,P2	IANoU, MNWCb, SDNEb, WICEb						
6500VT2PRO	VT2P	98	N	AC250	MNSWa, SDNEb	LH 4957 VT2P RIB	VT2P	99	Y	AC,P5V,EDC-B	IANoU, MNSEa, MNSWa, MNWCb, SDNEb, SDSEa, WICEb						
6575VT2PRO	VT2P	99	N	AC,P5V,EDC-B	SDNEb, SDSEa	LH 5025 VT2PDG RIB	VT2PDG	100	Y	AC,P2	SDNEb, SDSEa						
6600VT2PRO	VT2P	99	N	AC,P5	SDNEb	LH 5047 VT2P RIB	VT2P	100	Y	AC,P2	IANoU, MNSEa, MNSWa, SDNEb, WICEb						
6650TRE	TRE	99	N	AC,P5	MNSWa, SDNEb, SDSEa	LH 5159 SS RIB	STX	101	Y	AC,P5	IANCa, IANWa, MNSEa, MNSWa, MNWCb, SDSEa, WICEb						
7010VT2PRIB	VT2P	100	Y	CM,C2	SDSEa	LH 5209 5222-EZ	5222	102	Y	AVC,C5	IANCa, IANWa, MNSEa, MNSWa, MNWCb, NCTSa, SDSEa						
7010VT2PRO	VT2P	100	N	CM,C2	MNSWa, SDNEb	LH 5245 VT2P RIB	VT2P	102	Y	AC,P2	IANCa, IANWa, MNSEa, MNSWa, NCTSa, SDSEa, WICEb						
7275TRE	TRE	102	N	AC,P5V,EDC-B	SDSEa	LH 5377 VT2P RIB	VT2P	103	Y	AC,P2	IANWa, MNSEb, MNSWb, NCTSa, SDSEb						
7320PC	PC	102	N	CM,C5	SDSEa	LH 5487 VT2P RIB	VT2P	104	Y	AC,P2	IANCa, IANWa, NCTSa, SDSEb						
7450VT2PRO	VT2P	104	Y	AC250	MNSWb, SDSEb	LH 5517 VT2P RIB	VT2P	105	Y	AC,P2	IAWCa, MNSEb, MNSWb, NCTSa, SDSEb						
7520STX	STX	105	N	AC,P5	MNSWb, SDSEb	LH 5646 PCE	PC,E	106	N	CM,C2,Vi	IAECa, IAWCa, MNSEb, MNSWb, NENEa, SDSEb						
7570STX	STX	105	N	AC,P5V,EDC-B	MNSWb, SDSEb	MILLER HYBRIDS Miller Hybrids www.millerhybrids.com 1213 Larch Ave, Kalona, IA 52247 (866) 946-CORN											
7650VT2PRO	VT2P	106	N	AC,P5	SDSEb	M06-62	CONV	105	N	MSC	SDSEb						
7730VT2PRO	VT2P	107	N	AC,P5V,EDC-B	MNSWb, SDSEb	M09-01	CONV	108	N	MSC	IANWb, SDSEb						
HI FIDELITY GENETICS Hi Fidelity Genetics www.hifidelitygenetics.com 326 W Geer St, Durham, NC 27701 (515) HFG-SEED																	
HFG1002	CONV	100	N	AC250	IANoU, MNSEa, MNSWa, SDSEa	M98-70	CONV	98	N	MSC,FL,V-34	SDSEa						
HFG1051	CONV	105	N	CM,C2	IANCa, IANWa, MNSEb, MNSWb, SDSEb	RX03-47	CONV	103	N	MSC	IANWa, SDSEb						
HFG1071	CONV	105	N	C2	IANCa, IANWa, MNSEb, MNSWb, SDSEb	RX97-40	CONV	97	N	MSC	SDSEa						
INNOTECH Rob See Co www.robsee.co.com PO Box 129, Waterloo, NE 68069 (855) 450-1822																	
IC4660-5222	5222	96	Y	AVC,C2,Vi	SDNEb	NK BRAND NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 (800) 258-0521											
IC4881-5122-EZ	5122	98	Y	AVC,C2,Vi	MNSWa, SDNEb, SDSEb	NK0243-5122 EZR	5122	102	Y	AVC,C2,Vi	IANCa, IANWa, MNSEa, MNSWa, MNWCb, SDSEa						
IC4952-3010	3010	99	N	AVC,C2,Vi	SDSEa	NK0314-5122 EZR	5122	103	Y	AVC,C2,Vi	IANCa, IANWa, MISOa, MITH, MNSEb, MNSWb, NCTSa, PACE, SDSEb, WISOa						
IC5267-3120-EZ	3120	102	Y	AVC,C2,Vi	MNSWa, SDSEa	NK0624-5222 EZR	5222	106	Y	AVC,C2,Vi	MNSEb, MNSWb, SDSEb						
IC5480-3111A	3111A	104	N	AVC,C2,Vi	MNSWb, SDSEb	NK0748-5122 EZR	5122	107	Y	AVC,C2,Vi	IAECa, IANCb, IANWb, IAWCa, ILECa, ILNOa, MNSEb, MNSWb, NCTSb, PACE, PASE, SDSEb, WISOb						
INTEGRA Integra Fortified Seed Wilbur-Ellis) www.integraseed.com 2219 229th Place, Ames, IA 50014 (515) 292-1300																	
4041 VT2PRIB	VT2P	90	Y	AC,P5,SU	RRCeB, RRSoA, SDNEa	NK9175-5222A EZR	5222A	91	Y	CM,C2,Vi	SDSEa						
4119 VT2PRIB	VT2P	91	Y	AC,P2,SU	RRSoB, SDNEa	NK9653-5222 EZR	5222	96	Y	AVC,C2,Vi	IANoU, MITH, MNSOa, MNWCa, SDNEb, WICEa						
4311 VT2PRIB	VT2P	93	Y	AC,P5V,SU	MNWCa, RRSOb, SDNEa, WICEa	NK9930-5122 EZR	5122	99	Y	AVC,C2,Vi	IANoU, MNSEa, MNSWa, MNWCb, SDNEb, SDSEa						
4509 VT2PRIB	VT2P	95	Y	AC,P2,SU	MNWCa, RRSOb, SDNEa	NK9991-5122 EZR	5122	99	Y	AVC,C2,Vi	IANoU, MITH, MNSEa, MNSWa, MNWCb, SDNEb, WICEb, WISOa						
4702 VT2PRIB	VT2P	97	Y	AC,P5V,EDC-B	MNSWa, MNWCa, SDNEb, SDSEa, WICEa	PIONEER DuPont Pioneer (Corteva Agriscience) www.pioneer.com PO Box 454, Johnston, IA 50131 (800) 247-6803											
5052 VT2PRIB	VT2P	100	Y	AC,P5V,EDC-B	MISOa, MITH, MNSWa, SDNEb, SDSEa	P0075Q GC	QR	100	Y	Lum	ILNOu, MNSEa, MNSWa, SDNEb, WICEb, WISOa						
5280 VT2PRIB	VT2P	102	Y	AC,P2,SU	IANCa, IANWa, MISOa, MITH, MNSWa, MNWCb, NCTSa, SDSEa, WICEb, WISOa	P0421Q GC	QR	104	Y	Lum	ILNOu, MNSEb, MNSWb, SDSEb						
5529 VT2PRIB	VT2P	105	Y	AC,P2,SU	IANCa, IANWa, INNOa, MISOb, MNSWb, NCTSa, OHNWA, SDSEb, WISOb	PROSEED Proseed, Inc. www.proseed.net 705 E Brewster, Harvey, ND 58341 (800) 776-3121											
5682 VT2PRIB	VT2P	106	Y	AC,P5V,EDC-B	IAEcA, IANCA, IANWa, IAWCa, ILECa, ILNOa, ILWCa, INNOa, MISOb, MNSWb, NCTSa, OHNWA, SDSEb, WISOb	P1794 VT2PRIB	VT2P	94	Y	AVC,C2,Vi	RRSoB, SDNEa						
5719 VT2PRIB	VT2P	107	Y	AC,P2,SU	IAEcA, IANCb, IANWb, IASOa, IAWCa, ILECa, ILNOa, ILWCa, INNOa, MISOb, MNSWb, MONOa, NCTSb, OHNWA, SDSEb, WISOb	P1996 VT2PRIB	VT2P	96	Y	AVC,C2,Vi	SDNEb						
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	PROSEED											

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	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	T6204	VT2P	104	Y	AC,P5,B360	SDSeb
4B933	VT2P	93	Y	AC,P5,B360	RRSOb, SDNEa	T6294	VT2P	94	Y	AC,P5,B360	MNWCa, RRSOb, SDNEa, WICEa
4B944	VT2P	94	Y	AC,P5,B360	RRSOb, SDNEa	T6298	VT2P	98	Y	AC,P5,B360	MNSe, MNWCa, SDNeB, SDSe, WICEa
4B958	VT2P	95	Y	AC,P5,B360	RRSOb, SDNEa	T6595	VT2P	95	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
4B965	VT2P	97	Y	AC,P2,B360	SDNeB	T6791	VT2P	91	Y	AC,P2	RRSOb, SDNEa
4B976	VT2P	97	Y	AC,P5,B360	SDNEB	T6902	VT2P	102	Y	CM,C2,Vi	MNSe, MNWcb, SDSe, WICEb
5A013	STX	101	Y	AC,P5,B360	SDSe	T6992	VT2P	92	Y	AC,P2	RRSOb, SDNEa
5B012	VT2P	101	Y	AC,P5,B360	SDSe	T6993	VT2P	93	Y	AC,P2	RRSOb, SDNEa
5B984	VT2P	98	Y	AC,P5,B360	SDNeB, SDSe	T6996	VT2P	96	Y	AC,P2	MNWCa, SDNeB, WICEa
5B994	VT2P	99	Y	AC,P5,B360	SDNeB	T6999	VT2P	99	Y	AC,P2	MNSe, MNWcb, SDNeB, SDSe, WICEb
6A055	STX	105	Y	AC,P5,B360	SDSeb	T8100	SS	100	Y	AC,P5	MNSe, MNWcb, SDNeB, SDSe
6B043	VT2P	104	Y	AC,P5,B360	SDSeb						
6D054	VT2PDG	105	Y	AC,P5,B360	SDSeb						
RENK Renk Seed Co. www.renkinseed.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	Titan Pro	Titan Pro SCI, Inc.				
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, MISOa, MITH, MNSe, MNSWa, MNWcb, SDNEB, SDSe, WICEb, WISOa						
RK590VT2P	VT2P	98	N	AC,P5V	IANou, MISOa, MITH, MNSe, MNSWa, MNWca, SDNEB, SDSe, WICEa						
RK593VT2PRIB	VT2P	97	Y	AC,P2	IANou, MISOa, MITH, MNSe, MNSWa, MNWca, SDNEb, WICEa						
RK600VT2P	VT2P	100	N	AC,P2	IANou, MISOa, MITH, MNSe, MNSWa, MNWcb, SDNEB, SDSe, WICEb, WISOa						
RK625DGVT2P	VT2PDG	104	N	AC,P5V	IANCa, IANWa, ILNOu, MISOb, MNSe, MNWb, NCTSa, SDSeb, WISOa						
RK642VT2P	VT2P	103	Y	AC,P2	IANCa, IANWa, ILNOu, MISOa, MNSe, MNWb, NCTSa, SDSeb, WISOa						
RK710DGVT2P	VT2PDG	107	Y	AC,P2	IAEcA, IANCb, IANwb, IAWCa, ILNoa, ILWCa, INNOa, MISOb, MNSeb, MNSwb, NCTSb, NENEa, SDSeb, WISOb						
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	SDSe						
RC5142-3110	3110	101	N	CM,C2,Vi	SDSe						
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						
THUNDER Thunder Seed, Inc. www.thunderseed.com 806 Center Ave W, Dilworth, MN 56529 (888) 684-8633											
											
T6004	VT2P	104	Y	AC,P2	SDSeb						
T6100	VT2P	100	Y	AC,P2	MNSe, MNWcb, SDNe, SDSe, WICEb						
T6107	VT2P	107	Y	AC,P2	SDSeb						
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, SDSe						
W2236RIB	VT2P	99	Y	AC,P2	IANou, MNSWa, SDSe, WISOa						
W2506RIB	VT2P	101	Y	AC,P2	IANCa, IANWa, MNSe, MNSWa, NCTSa, SDSe, WISOa						
W2648	STX	101	N	AC,P5V	IANCa, IANWa, ILNOu, MNSe, MNSWa, NCTSa, SDSe, WISOa						
W4196RIB	VT2P	105	Y	AC,P2	IAEcA, IANCa, IANWa, IAWCa, ILECa, ILNOu, ILWCa, MNSe, MNWb, SDSeb, WISOb						
W4246RIB	VT2P	105	Y	AC,P2	IAEcA, IANCa, IANWa, IAWCa, MNSe, MNWb, SDSeb, WISOb						
W4588	STX	105	N	P5V	IAEcA, IAWCa, ILECa, ILWCa, MNSe, NCTSa, SDSe						
W5086RIB	VT2P	107	Y	AC,P2	IAEcA, IANCb, IANWa, IASOa, IAWCa, ILECa, ILNOa, ILWCa, MNSe, MNSWb, NCTSb, SDSeb, WISOb						

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 x 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 x 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 x 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	Mansfield	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
Credenz	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
Credenz	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.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Bath	Mansfield	Watertown	Webster
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
Credenz	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
APEX M.S. Technologies, L.L.C.					
www.mstechseed.com 103 Avenue D, West Point, IA 52656 (800) 362-2510					
					
AE1220	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNEa
AE1420	E3	1.4	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNEb
AE1520	E3	1.5	R	CMBV,SA	MNCEa, MNNCb, MNSCa, SDNEb
AE1710	E3	1.7	R	CMBV,SA	MNCEa, SDNEb
AE1720	E3	1.7	R	CMBV,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC, SDNEb
AE1920	E3	1.9	R	CMBV,SA	MNCEb, MNSCb, MNSOa, SDEC, WISO
AE1930	E3	1.9	R	CMBV,SA	MNCEb, MNSOa, SDEC, WISO
AE2020	E3	2	R	CMBV,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDEC, WISO
AE2220	E3	2.2	R	CMBV,SA	IANCa, IANOb, IANWa, MNSCb, MNSOa, NCSL, SDSE, WISO
AE2420S	E3,ST	2.4	R	CMBV,SA	IANCa, IANOb, IANWa, IASCa, ILNO, INNO, NCSL, SDSE, WISO
ASGROW Asgrow Brand (Bayer CropScience)					
www.agrow.com 800 N Lindbergh Blvd, St. Louis, MO 63167 (314) 694-1000					
					
AG10XF1 \$	RXF	1	R	ACi,IL	MNNCb, RRSOa, SDNEa
AG12XF1 \$	RXF	1.2	S	ACi,IL	RRSOb, SDNEa
AG15XF2 \$	RXF	1.5	R	ACi,IL	MNCEa, MNNCb, MNSCa, SDNEb
AG18XF1 \$	RXF	1.8	R	Untreated	IANOa, MNCEb, MNSCa, MNSOa, SDEC
AG21XF0 \$	RXF	2.1	R	ACi,IL	IANOa, MNSCb, MNSOa, SDEC, SDSE
AG22XF2 \$	RXF	2.2	R	ACi,IL	MNSOa, SDEC, WISO
AG26XF1 \$	RXF	2.6	R	ACi,IL	IANCb, IANwb, NCSL, SDSE
AG27XF2 \$	RXF	2.7	R	ACi,IL	IANwb, SDSE
CREDENZ Credenz (BASF)					
agriculture.basf.us/crop-protection/products/seeds/credenz.html 2 T.W. Alexander Drive, Research Triangle Park, NC 27709 (877) 365-4287					
					
CZ 1171GTLL	LLGT27	1.1	MR	PV,IL,OB	MNNCb, RRSOb, SDNEa
CZ 1331GTLL	LLGT27	1.3	R	PV,IL,OB	MNCEa, MNNCb, RRSOb, SDNEa
CZ 1660GTLL	LLGT27	1.6	MR	PV,IL,OB	MNCEa, MNSCa, MNSOa, SDEC, SDNEb
CZ 1859GTLL	LLGT27	1.8	R	PV,IL,OB	SDEC
CZ 2121GTLL	LLGT27	2.1	MR	PV,IL,OB	IANCa, IANOa, IANWa, MNSCb, MNSOa, NCSL, SDEC, SDSE, WISO
CZ 2360GTLL	LLGT27	2.3	MR	PV,IL,OB	IANOb, IANWa, SDEC, SDSE
CZ 2550GTLL	LLGT27	2.5	MR	PV,IL,OB	IANCa, IANOb, IANwb, IASCa, NCSL, SDSE, WISO
CZ 2760GTLL	LLGT27	2.7	R	PV,IL,OB	IANCb, IANwb, IASCa, NENE, OHNW, PASE, SDSE
DAHLMAN Dahlman Seed Company LLP					
www.dahlmanseed.com 73504 200th St, Dassel, MN 55325 (800) 289-7333					
					
1111E3N GC	E3,ST	1.1	R	IS	MNNCb, SDNEa
1117E3N GC	E3	1.7	R	IS	MNCEb, SDNEb
6010XN GC	RRX	1	R	IS	SDNEa
6015XN GC	RRX	1.5	R	IS	SDNEb
DAIRYLAND Dairyland Seed Co., Inc. (Corteva Agriscience)					
www.dairylandseed.com PO Box 958, West Bend, WI 53095 (800) 236-0163					
					
DSR-1290E	E3	1.2	R	Lum,IL	MNNCb, RRSOb, SDNEa
DSR-1318E	E3	1.3	R	Lum,IL	MNCEa, MNNCb, RRSOb, SDNEa
DSR-1450E	E3	1.4	R	Lum,IL	MNCEa, MNNCb, RRSOb, SDNEb
DSR-1673E	E3	1.6	R	Lum,IL	MNCEa, MNSCa, MNSOa, SDNEb
DSR-1707E	E3	1.7	R	Lum,IL	MNCEb, MNSCa, MNSOa, SDNEb
DSR-1820E	E3	1.8	R	Lum,IL	MNCEb, MNSCb, MNSOa, SDEC, WISO
DSR-2030E	E3	1.9	R	Lum,IL	MNCEb, MNSCb, MNSOa, SDEC, WISO
DSR-2040E	E3	2	R	Lum,IL	MNCEb, MNSCb, MNSOa, SDEC, WISO
DSR-2112E	E3	2.1	R	Lum,IL	MNSCb, MNSOa, SDEC, WISO
DSR-2222E	E3	2.2	R	Lum,IL	MNSCb, MNSOa, SDEC, WISO
DYNA-GRO Dyna-Gro Seed (Nutrien Ag Solutions)					
www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 (970) 685-3300					
					
S12XF92	RXF	1.2	R	EQV,SA	MNNCb, RRSOb, SDNEa
S15XF82	RXF	1.5	MR	EQV,SA	MNCEa, MNNCb, SDNEb
S16XF51	RXF	1.6	R	EQV,SA	SDNEb
S18EN52	E3	1.8	MR	EQV,SA	MNCEb, MNSCa, MNSOa, SDEC
S21XF72	RXF	2.1	R	EQV,SA	MNSOa, SDEC
S24XF12	RXF	2.4	R	EQV,SA	NCSL, SDSE
S25EN41	E3	2.5	R	EQV,SA	SDSE
S27EN89	E3	2.7	R	EQV,SA	INNO, SDSE
GENESIS M.S. Technologies, L.L.C.					
www.mstechseed.com 103 Avenue D, West Point, IA 52656 (800) 362-2510					
					

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
G1460E					
E3 1.4 R CMBV,SA MNCEa, MNNCb, RRSOb, SDNEb					
G1560E					
E3 1.5 R CMBV,SA MNCEa, MNNCb, MNSCa, SDNEb					
G1760E	E3	1.7	R	CMBV,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC, SDNEb
G1960E	E3	1.9	R	CMBV,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDEC, WISO
G1970E	E3	1.9	R	CMBV,SA	MNCEb, SDCE, WISO
G2060E	E3	2	R	CMBV,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDCE, WISO
G2260E	E3	2.2	R	CMBV,SA	IANCa, IANOb, IANWa, MNSCb, MNSOa, SDSE, WISO
G2460ES	E3,ST	2.4	R	CMBV,SA	IANCa, IANOb, IANWa, IASCa, ILNO, INNO, NCSL, OHNW, SDSE, WISO
GREAT HEART Great Heart Seed					
www.greatheartseed.com 220 W Washington St, Paris, IL 61944 (877) 243-2071					
					
GH1032XF \$	RXF	1	R	CMBV,SA	SDNEa
GH1442XF \$	RXF	1.4	MR	CMBV,SA	SDNEb
GH1472E3	E3	1.4	R	CMBV,SA	MNNCb, SDNEb
GH1762XF	RXF	1.7	MR	CMBV,SA	SDEC, SDNEb
GH1802E3 \$	E3	1.8	R	CMBV,SA	SDEC
GH2011E3	E3	2	MR	CMBV,SA	SDEC
GH2102XF	RXF	2.1	MR	CMBV,SA	MNSCb, MNSCb, MNSOa, NCSL, SDEC, WISO
GH2292E3 \$	E3	2.2	MR	CMBV,SA	NCSL, SDSE, WISO
GH2562XF \$	RXF	2.5	R	CMBV,SA	IANOb, IANwb, SDSE
GH2722XF	RXF	2.7	MR	CMBV,SA	ILNO, NCSL, NENE, OHNW, SDSE
GH2818E3	E3	2.8	MR	CMBV,SA	SDSE
HEFTY Hefty Seed Company					
www.heftysseed.com 47504 252nd St, Baltic, SD 57003 (866) 769-7200					
					
H10XF1	RXF	1	NA	DST4,SA	RRSOa, SDNEa
H11XF2	RXF	1.1	NA	DST4,SA	MNNCb, RRSOb, SDNEa
H12XF2	RXF	1.2	NA	DST4,SA	MNNCb, RRSOb, SDNEa
H13XF1	RXF	1.3	NA	DST4,SA	MNCEa, MNNCb, RRSOb, SDNEa
H14XF1	RXF	1.4	NA	DST4,SA	MNCEa, MNNCb, RRSOb, SDNEb
H15XF2	RXF	1.5	NA	DST5	MNCEa, MNSCa, SDNEb
H16X1	RRX	1.6	R	DST4,SA	MNSOa, SDEC
H16XF2	RXF	1.6	NA	DST5	MNCEa, MNSCa, MNSOa, SDEC, SDNEb
H17XF1	RXF	1.7	NA	DST4,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC, SDNEb
H18XF2	RXF	1.8	NA	DST4,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC
H20XF1	RXF	2	NA	DST4,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDEC, SDNEb
H20XF2	RXF	2	NA	DST4,SA	IANWa, MNCEb, MNSCb, MNSOa, SDEC
H21XF2	RXF	2.1	NA	DST4,SA	IANCa, IANOa, IANWa, MNSCb, MNSOa, NCSL, SDEC, SDSE
H23XF1	RXF	2.3	NA	DST4,SA	IANCa, IANOb, IASCa, MNSOa, NCSL, SDSE
H24XF2	RXF	2.4	NA	DST4,SA	IANCa, IANOb, IANWa, IASCa, ILNO, NCSL, SDSE
H25X0	RRX	2.5	R	DST4,SA	IANOb, SDSE
H25XF1	RXF	2.5	NA	DST4,SA	IANCa, IANOb, IANwb, IASCa, ILNO, NCSL, SDSE
H26XF2	RXF	2.6	NA	DST4,SA	IANCb, IANwb, IASCa, ILNO, NENE, SDSE
H28X8	RRX	2.8	R	DST4,SA	IANwb, NCSL, SDSE
HOEGEMEYER Hoegemeyer Hybrids (Corteva Agriscience)					
www.theightseed.com 1755 Hoegemeyer Rd, Hooper, NE 68031 (800) 245-4631					
					
2141 E	E3	2.1	R	Lum,Lu,IL	IANCa, IANWa, SDSE
2421 E	E3	2.4	R	Lum,Lu,IL	IANCa, IANWa, IASCa, SDSE
2660 E	E3	2.6	R	Lum,Lu,IL	IANCb, IANwb, IASCa, IASOa, NENE, SDSE
INNOTECH Rob See Co					
www.robseeco.com PO Box 129, Waterloo, NE 68069 (855) 450-1822					
					
IS1022E3	E3	1	R	Fortify	RRSOa, SDNEa
IS1283E3	E3	1.2	R	Fortify	RRSOb, SDNEa
IS1575E3	E3	1.5	R	Fortify	SDNEb
IS1761E3	E3	1.7	MR	Fortify	MNSCa, SDEC, SDNEb
IS1929E3	E3	1.9	R	Fortify	SDEC
IS2089E3	E3	2	MR	Fortify	MNSCb, SDEC
IS2342E3	E3	2.3	MR	Fortify	SDEC, SDSE
IS2545E3	E3	2.5	R	Fortify	SDSE
IS2748E3	E3	2.7	MR	Fortify	SDSE
LATHAM Latham Hi-Tech Seeds					
www.lathamseeds.com 131 180th St, Alexander, IA 50420 (877) 465-2842					
					
L1219 E3	E3	1.2	R	SS+,SA	MNNCb, RRSOb, SDNEa

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, MNSCa, SDNEb
L 1648 LLGT27	LLGT27	1.6	R	SS+	MNCEa, MNSCa, 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, MNSCa, 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, MNSCb, MNSOb, SDEC
L 2184 R2X	RRX	2.1	R	SS+,SA	IANOa, MNSCb, SDEC
L 2193 E3	E3	2.1	R	SS+,SA	IANCa, IANOa, IANWa, MNSCb, MNSOb, SDEC
L 2283 XF	RXF	2.2	R	SS+,SA	MNSCb, 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
LOYAL M.S. Technologies, L.L.C.					
www.mstechseed.com 103 Avenue D, West Point, IA 52656 (800) 362-2510					
					
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, MNSCa, SDNEb
L1740E	E3	1.7	R	CMBV,SA	MNCEb, MNSCa, MNSOa, SDEC, SDNEb
L1940E	E3	1.9	R	CMBV,SA	MNCEb, MNSCb, MNSOa, SDEC, WISO
L1950E	E3	1.9	R	CMBV,SA	MNCEb, MNSOa, SDEC, WISO
L2040E	E3	2	R	CMBV,SA	MNCEb, MNSCb, MNSOb, SDEC, WISO
L2240E	E3	2.2	R	CMBV,SA	MNSCb, 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, MNSCa, MNSOa, SDNEb
NK18-J7E3	E3	1.8	MR	CMBV,SA	SDEC
NK19-C8XF	RXF	1.9	R	CMBV,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDEC
NK19-Y5E3 §	E3	1.9	R	CMBV,SA	SDEC
NK21-H4XF §	RXF	2.1	MR	CMBV,SA	IANOa, IANWa, MNSCb, MNSOb, SDEC, SDSE
NK22-C4E3	E3	2.2	R	CMBV,SA	IANOb, IANWa, MNSCb, 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	MNNCb, SDNEa
P11A44X §	RRX	1.1	R	Lum,Lu,IL	MNNCb, SDNEa
P15A63X §	RRX	1.5	NA	Untreated	MNNCb, MNSCa, MNSOa, SDNEb
P16T58E GC	E3	1.6	R	Lum,Lu	SDNEb
P21A28X §	RRX	2.1	R	Lum,Lu	IANCa, IANOa, MNSCb, 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.reahybrids.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.stineseed.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, MNCEa, MNNCb, MNSOa, SDEC, SDNEb
20EE23 §	E3	2	R	SFI	IANWa, MNCEb, MNSCb, MNSOb, SDEC, WISO
21EE62 §	E3	2.1	R	SFI	IANCa, IANOb, IANWa, MNSCb, 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, RRSOb, 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, RRSOb, 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, MNSCa, MNSOa, SDEC, SDNEb
XO 1761E	E3	1.7	R	PV,IL,OB	IANOa, MNCEb, MNSCa, MNSOa, SDEC, SDNEb
XO 1822E	E3	1.8	R	PV,IL,OB	MNCEb, MNSCa, 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, IANOb, IANWa, MNSCb, 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, MNSCa, SDNEb
Z1601E	E3	1.6	R	DST4,SA	MNCEa, SDEC, SDNEb
Z1702E	E3	1.7	NA	DST4,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC, SDNEb
Z1801E	E3	1.8	R	DST4,SA	MNSCa, MNSOa, SDEC
Z1802E	E3	1.8	NA	DST4,SA	IANOa, MNCEb, MNSCa, MNSOa, SDEC
Z1902E	E3	1.9	NA	DST5	IANOa, IANWa, MNCEb, MNSCb, MNSOa, SDEC
Z2002E	E3	2	NA	DST4,SA	IANOa, IANWa, MNCEb, MNSCb, MNSOb, SDEC
Z2101E	E3	2.1	R	DST4,SA	IANCa, MNSCb, MNSOb, NCsl, SDSE
Z2101G	LLGT27	2.1	R	DST4,SA	NCsl, SDSE
Z2202E	E3	2.2	NA	DST4,SA	IANCa, IANOb, IANWa, MNSCb, 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, NENE, SDSE
Z2700E	E3	2.7	R	DST4,SA	IANCb, IASCa, ILNO, NCsl, NENE, SDSE

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