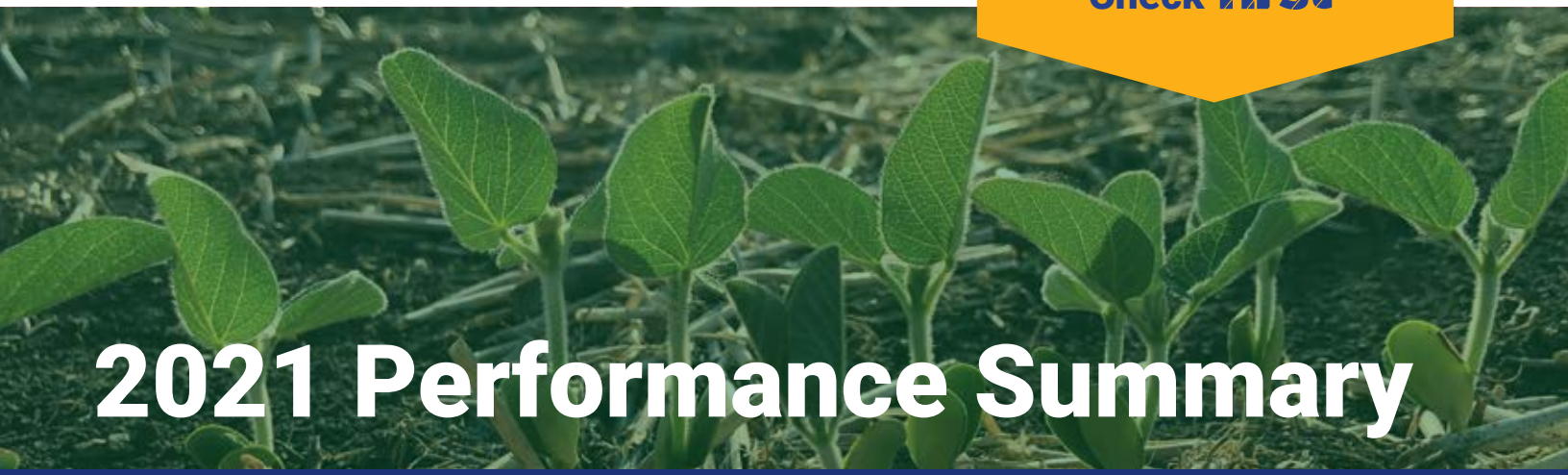
first farmers' independent research of seed technologies

www.firstseedtests.com

INSIDE

Unbiased yield research for corn and soybean products tested near you. Find the best seed for your farm.

Check first



2021 Performance Summary

Red River Valley

Luke Brendemuhl, FIRST Field Manager
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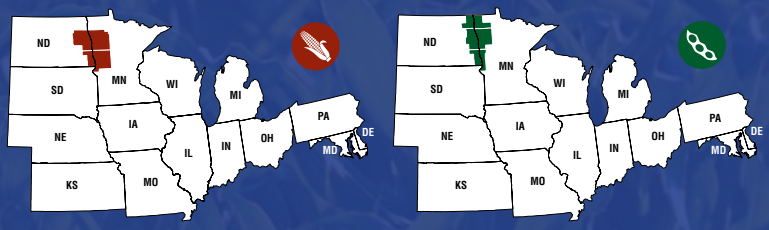
Summary of the 2021 Season



I am pleased to provide this summary of Farmers' Independent Research of Seed Technologies (FIRST) corn and soybean yield trials in the Red River Valley. The FIRST program is celebrating its 25th year of operations in 2021. The continuing goal of the program is to deliver timely, unbiased comparisons of innovative seed genetics to improve yield and profitability for American farmers.

Planting conditions this year were cold and dry, delaying emergence in many of the sites. Some locations had seed laying in a dry seed bed for 10 days or more until the first significant rain. The corn plots were in by May 7 and soybean plots planted by May 18. We had an extremely hot summer this year, and most of the area was in drought that persisted until fall. There was certainly some advantage in the heavier clay soils or with no-till residue that helped hold on to moisture this year.

Despite the tough season, yields were remarkably strong in the corn and soybean trials. Despite extremely low rainfall totals in July particularly, most of the corn plots yielded above average with just one test not reported because of drought damage. The soybean yields were very good, including some higher than 70 bpa. There were some soybean plots lost to drought and affected by severe iron chlorosis worsened by the drought. The seed genetics available today are very resilient, and we really had a great finish to what looked like a difficult year.

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.

Luke Brendemuhl

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

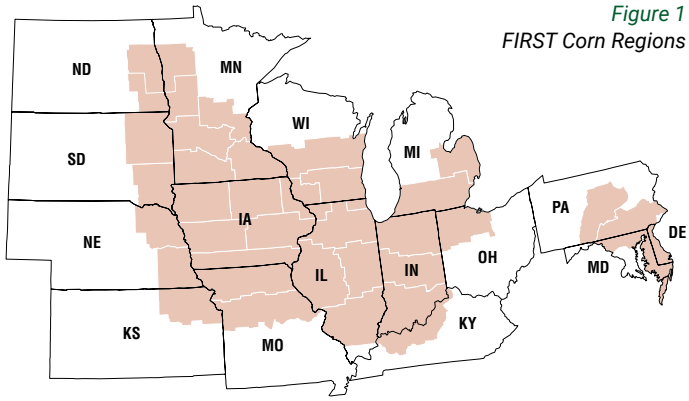
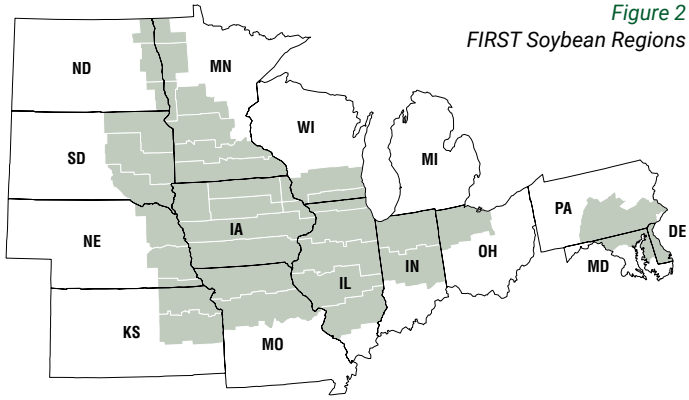


Figure 2
FIRST Soybean Regions



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.

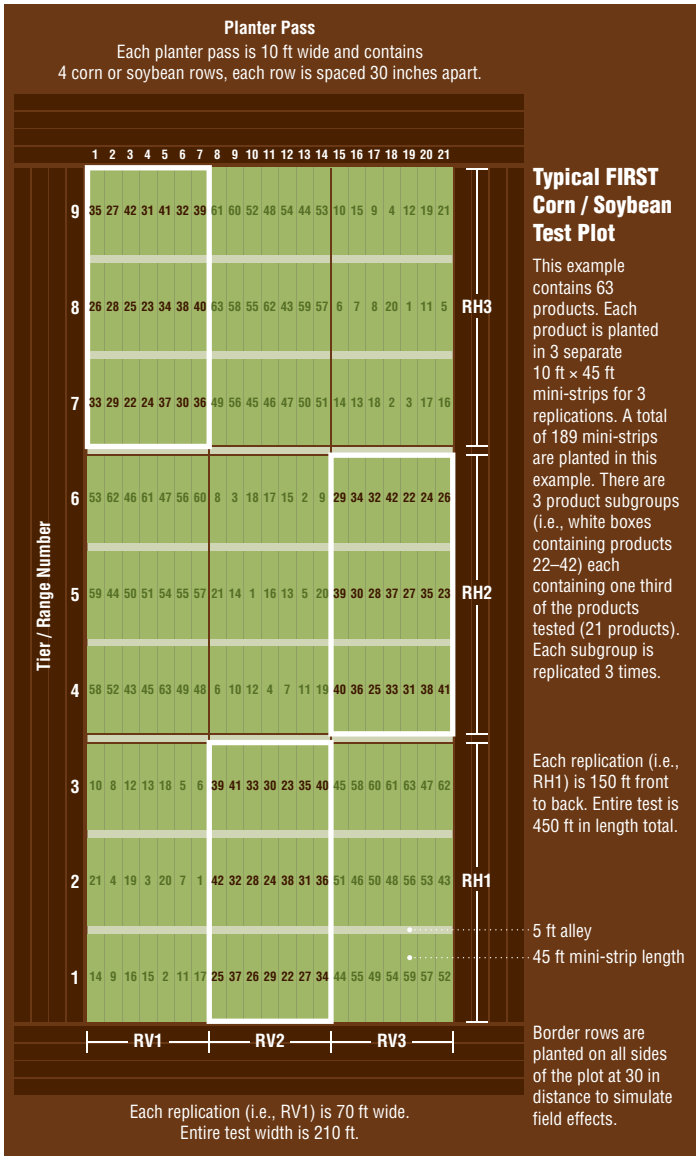
Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions. They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, 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.

In both reports, products are first ranked by Gross Income ($/A). The 30 highest ranked Gross Income ($/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 22021 Red River Valley.

Figure 4 *Corn Grain Performance Summary*

EARLY-SEASON TEST 93–98 Day CRM | Top 30 of 56 tested — A B C D E — 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	Fox Lake	Oxford	Plover	Ripon	Tomah
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 VT2PRIB	VT2PB	98	**229.4**	16.3	1	$794	1	**261.3**	228.1	**180.0**	**245.8**	231.8
HEFTY	H4322VT2PRIB	VT2PB	93	**229.2**	17.0	1	$788	2	243.5	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	VT2PB	97	**227.7**	16.9	1	$782	5	**269.1**	**252.1**	146.2	222.6	**248.5**
NORTHSTAR	NS 98-513 STXRIB	STX,B	98	**227.2**	16.7	2	$782	6	250.4	**254.9**	**174.4**	213.6	242.6
THUNDER	T6098 VT2P	VT2PB	98	**225.5**	17.1	1	$775	8	251.0	232.9	164.4	**234.4**	244.6
PIONEER	P9608Q GC	QR,B	96	224.3	17.0	1	$771	10	**257.9**	230.5	**176.7**	222.7	234.0
THUNDER	T6996 VT2P	VT2PB	96	223.9	16.7	1	$772	9	248.3	238.2	153.9	**226.0**	**253.3**
HEFTY	H4542VT2P	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 — A B C D — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Arlington	Oregon	Postville	Watertown
CREDENZ	CZ 2121GTLL GC	LLGT27	2.1	**68.8**	11.1	6	$619	**72.8**	61.8	**73.9**	**66.8**
FS HISOY	HS 24X80	RRX	2.4	**67.6**	10.8	7	$609	**68.1**	**70.5**	67.1	**64.8**
GENESIS	G2190GL	LLGT27	2.1	**67.5**	10.9	8	$607	**73.0**	61.7	**73.7**	61.6
GOLDEN HARVEST	GH2230X	RRX	2.2	66.8	11.0	6	$602	64.7	**66.9**	70.4	**65.3**
TITAN PRO	2.20E+09	E3	2.2	66.7	11.3	9	$600	65.3	62.4	**72.5**	**66.5**
PIONEER	P23A15X U	RRX	2.3	66.6	11.0	8	$600	**67.9**	63.4	65.7	**69.5**
CREDENZ	CZ 2040GTLL 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	61.5
LATHAM	L 2295 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.

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 Means — 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.

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

TECHNOLOGY CODE LEGEND

Product Suffix Key

CK	Check product found in early- and full- season tests
GC	Grower 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® (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, unspecified
AC	Acceleron® unspecified
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, Surefire
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 Innoculant
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, unspecified
Untreated	No seed treatment applied
A2020	Alert 2020 (Partners Brand Seed)
ACi	Acceleron® Standard Insecticide-Fungicide
AVC,C5,Vi	Avicta® Complete 500, Vibrance
ASfi,SA	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
EcTC,NF,NH	Eclipse US Total Coverage Trio IM, N-Force, N-Hibit
Edge-SST	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 Guard+ (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.

Site Description: RRCE *(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
Buffalo, ND	Tim Berntson	loam	conventional	wheat	149	5-May	23-Oct	32.6	195.2	–	new site
East Grand Forks, MN	Matthew Krueger	silty clay loam	conventional	soybeans	190	7-May	20-Oct	31.8	191.9	148.3	3
Georgetown, ND	Curtis Brendemuhl	silty clay	conventional	soybeans	109	1-May	18-Oct	33.3	192.1	174.4	3
Hope, ND	Thomas Hiam	loam	conventional	wheat	225	1-May	23-Oct	32.1	176.0	185.7	2
Warren MN	Garth Kruger	sandy loam	minimum	soybeans	183	30-Apr	3-Oct	33.7	164.1	–	new site
									RRCE	**157.3**	**4**

Site Description: RRSO *(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
Doran, MN	Bruce Yaggie	clay loam	conventional	soybeans	180	7-May	4-Nov	33.2	222.1	–	new site
Fairmount, ND	Rydell Farms	silty clay loam	conventional	soybeans	175	6-May	4-Oct	33.5	194.2	170.6	3
Litchville, ND	Mark Formo	loam	conventional	soybeans	77	3-May	8-Nov	32.9	218.9	185.8	4
Milnor, ND	Steve Hogness	silt loam	strip till	soybeans	71	3-May	17-Oct	33.0	213.2	181.9	2
Wendell, MN	Chad Biss	clay loam	conventional	soybeans	170	6-May	2-Nov	32.7	208.9	179.9	3
									RRSO	**182.1**	**7**

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2017–2021

	Average Yield by Year (Bu/A)					Since Inception	
FIRST Region	2021	2020	2019	2018	2017	Bu/A	#Years
RRCE	187.2	139.0	179.0	172.7	158.0	157.3	4
RRSO	221.4	164.7	167.4	190.0	213.6	182.1	7

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

Corn Results: RRCE *(See site description on page 5)*

EARLY-SEASON TEST | 80–85 Day CRM | Top 30 of 32 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	Buffalo	East Grand Forks	Georgetown	Hope‡#	Warren#
Rob-See-Co	RC3240-GT	GT	82	**202.1**	16.0	1	$1,048	1	**198.8**	**206.5**	**203.3**	**200.0**	117.3
Golden Harvest	G84J92-3120A EZR	3120A	84	**196.6**	17.4	0	$1,012	2	**205.4**	**200.6**	**201.4**	179.1	158.9
REA	2B862	VT2P	86	**194.3**	16.5	0	$1,004	4	197.6	193.1	179.0	**207.7**	112.1
Thunder	T6983 VT2P	VT2P	83	**191.8**	16.1	0	$994	5	195.7	**199.5**	182.2	189.8	152.5
Latham	LH 3325 VT2P RIB	VT2P	83	**191.2**	16.4	0	$989	6	186.2	189.0	**200.8**	188.8	148.7
Golden Harvest	G85Z56-3220 EZR	3220	85	189.5	16.9	0	$978	8	192.5	183.9	195.9	185.8	136.6
Integra	3431 VT2PRIB	VT2P	84	189.2	16.5	0	$978	7	192.2	191.6	190.5	182.4	153.4
Golden Harvest	G80Q01-3220A EZR	3220A	80	185.9	16.6	2	$961	9	186.7	168.1	**216.0**	172.9	148.6
Renk	RK256-3120-EZ	3120	84	185.5	16.5	0	$959	10	197.1	186.0	181.6	177.2	130.6
Hefty	H3322 RIB	VT2P	83	184.3	16.5	1	$953	12	185.3	179.0	186.5	186.6	133.3
BioGene	BG512V2 RIB	VT2P	81	184.2	16.0	1	$954	11	184.6	185.7	181.8	184.8	123.5
BioGene	BG510AT EZR	3220A	81	183.6	17.0	6	$948	13	**198.0**	141.2	**201.6**	193.5	160.7
Proseed	1882 VT2PRIB	VT2P	82	183.4	17.0	0	$946	16	171.3	184.5	**199.2**	178.5	111.1
Rob-See-Co	RC3418-3220A	3220A	84	182.9	16.2	0	$947	15	176.0	184.7	**199.8**	171.3	134.2
Dyna-Gro	D23VC83	VT2P	83	182.7	15.5	0	$948	14	175.3	**197.2**	191.1	167.3	118.7
Hefty	H3042 RIB	VT2P	80	181.9	15.8	1	$943	17	183.4	189.1	168.4	186.7	117.5
Hefty	H3442 RIB	VT2P	84	181.4	15.7	0	$941	18	183.5	190.2	178.0	173.9	111.2
Thunder	T6782 VT2P	VT2P	82	180.3	16.5	0	$932	19	171.7	176.4	196.7	176.4	129.5
Rob-See-Co	RC3041-3110A	3110A	80	180.2	16.8	7	$931	20	165.0	155.0	**206.4**	194.6	137.5
Thunder	T6185 VT2P	VT2P	85	178.9	15.7	1	$928	21	186.3	178.9	181.6	168.7	113.7
Thunder	T6085 VT2P	VT2P	85	177.3	15.4	0	$921	22	188.6	180.6	186.4	153.6	143.4
REA	2B863	VT2P	86	176.6	16.2	1	$914	25	169.4	181.2	180.2	175.7	126.9
Latham	LH 2977 VT2P RIB	VT2P	79	176.0	14.6	0	$917	23	175.8	175.1	179.2	174.0	142.5
REA	2B851	VT2P	85	176.0	15.4	0	$914	24	167.8	183.1	184.3	168.9	152.0
BioGene	BG520V2 RIB	VT2P	82	175.1	17.1	0	$903	27	172.5	182.0	191.6	154.4	122.7
Thunder	T6181 VT2P	VT2P	81	174.3	15.4	0	$906	26	179.3	176.7	177.2	164.1	141.6
Renk	RK227VT2P	VT2P	82	173.2	16.2	0	$898	28	174.9	177.7	186.0	154.3	127.6
Hefty	H3542 RIB	VT2P	85	170.9	16.1	0	$885	29	164.6	189.3	168.6	161.3	143.3
Latham	LH 3397 VT2P RIB	VT2P	83	162.6	15.3	1	$846	30	166.9	159.6	164.8	159.0	113.7
Integra	3009 VT2PRIB	VT2P	80	145.6	15.6	4	$755	31	147.3	144.0	128.8	162.4	110.6
DeKalb	DKC36-86RIB CK	VT2P	86	**194.3**	16.4	0	$1,005	3	**199.6**	**201.5**	190.1	186.2	151.3
Averages =				180.5	16.1	1	$935		180.9	180.3	184.8	176.0	132.1
LSD (0.10) =				10.5	0.7	2.8			16.7	14.7	13.2	20.9	29.6

FULL-SEASON TEST | 86–90 Day CRM | Top 30 of 32 tested — Results in BOLD are significantly above test average.

Dairyland	DS-3022AM	AM	90	**214.3**	18.4	0	$1,101	1	**228.1**	**229.5**	**220.3**	140.3	179.3
REA	3B912	VT2P	91	**211.4**	17.6	0	$1,089	2	**240.4**	**226.0**	**222.9**	161.0	156.2
Golden Harvest	G90Y04-5222A EZR	5222A	90	**210.9**	20.5	2	$1,074	4	**232.3**	197.4	**234.7**	160.2	179.1
Rob-See-Co	RC3601-3011A	3011A	86	**209.9**	17.9	0	$1,081	3	217.4	**216.4**	**226.1**	125.5	179.9
REA	3B903	VT2P	90	**205.1**	17.2	0	$1,059	5	220.0	**217.2**	**215.8**	145.7	167.7
Renk	RK312VT2PRIB	VT2P	90	**204.1**	17.7	0	$1,051	6	207.9	**214.6**	**212.2**	164.1	**181.6**
Latham	LH 3937 VT2P RIB	VT2P	89	201.7	18.9	0	$1,034	9	214.2	**218.7**	200.9	142.5	173.2
Latham	LH 3827 VT2P RIB	VT2P	88	201.0	18.6	0	$1,031	10	214.8	**217.7**	210.0	194.9	161.7
Hefty	H4052	VT2P	90	201.0	18.9	0	$1,029	11	211.7	213.3	203.9	172.8	175.0
Dairyland	DS-2828AM	AM	88	200.6	17.5	0	$1,034	8	216.7	**220.0**	209.4	126.3	156.3
Hefty	H3712 RIB	VT2P	87	198.2	17.3	0	$1,023	12	216.0	**214.3**	200.9	191.3	161.8
Golden Harvest	G90S99-5222 EZR	5222	90	197.8	19.0	2	$1,014	16	**227.6**	197.8	200.9	143.2	164.9
Channel	189-64STXRIB GC	STX	89	197.7	18.5	0	$1,016	14	215.7	202.1	205.7	181.9	167.5
Latham	LH 3695 VT2P RIB	VT2P	86	197.5	17.8	0	$1,018	13	212.0	197.7	202.7	156.2	177.7
Integra	4041 VT2PRIB	VT2P	90	197.4	17.9	0	$1,015	15	211.6	**228.1**	188.0	170.0	162.1
Dyna-Gro	D27VC87	VT2P	87	197.2	18.2	0	$1,013	17	199.8	**220.1**	190.1	142.1	178.9
Proseed	1787 VT2PRIB	VT2P	87	195.9	17.8	0	$1,009	18	204.7	202.2	198.1	181.2	178.6
Channel	187-20VT2PRIB GC	VT2P	87	195.7	18.3	0	$1,006	19	208.1	197.3	198.3	127.5	179.1
Integra	3629 VT2PRIB	VT2P	86	193.6	17.7	0	$997	20	220.1	201.4	194.1	186.4	158.8
Renk	RK315VT2P	VT2P	90	193.2	18.1	1	$992	21	206.5	**214.9**	197.1	157.9	154.3
Hefty	H3922 RIB	VT2P	89	190.7	17.9	0	$983	22	218.9	192.0	193.5	177.0	158.7
Renk	RK297VT2P	VT2P	89	188.0	17.7	0	$968	23	190.0	208.0	191.0	140.9	163.1
Thunder	T6888 VT2P	VT2P	88	187.9	17.9	0	$967	24	201.7	195.8	185.2	146.9	168.8
Stine	9202-G	3011A	86	187.0	17.6	0	$964	25	213.7	197.1	197.0	185.5	140.1
Innotech	IC3983-3220	3220	89	186.5	18.9	6	$957	27	208.5	189.1	199.7	152.6	148.6
Thunder	T6190 VT2P	VT2P	90	186.1	18.0	0	$957	26	196.6	204.8	192.6	191.2	150.5
AgriGold	A617-78VT2RIB GC	VT2P	87	184.8	17.1	0	$955	28	195.0	168.4	199.2	125.1	176.7
Hefty	H4032 RIB	VT2P	90	179.3	17.8	0	$923	29	185.0	194.1	182.5	142.6	155.4
Thunder	T6987 VT2P	VT2P	87	177.0	16.8	0	$916	30	197.7	176.0	173.3	164.0	161.0
Thunder	T7188 VT2P	VT2P	88	166.0	17.7	0	$856	31	191.2	172.6	166.1	119.0	134.1
DeKalb	DKC36-86RIB CK	VT2P	86	200.3	17.1	0	$1,035	7	216.1	205.7	204.6	192.5	174.9
Averages =				194.1	18.0	0	$999		209.5	203.9	198.9	158.4	163.6
LSD (0.10) =				9.2	0.7	1.9			16.6	9.6	11.2	49.4	16.4

‡ 3 replications early-season test (Hope); # full-season test results not included in summary due to drought damage (Hope); early-season test results not included in summary due to drought damage (Warren)

Corn Results: RRSO *(See site description on page 5)*

EARLY-SEASON TEST | 85–90 Day CRM | Top 30 of 37 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	Doran	Fairmount	Litchville	Milnor	Wendell
Golden Harvest	*G90Y04-5222A EZR*	*5222A*	*90*	***232.3***	*18.0*	*5*	*$1,239*	*1*	***230.8***	*180.7*	***247.5***	***253.3***	***249.1***
Rob-See-Co	RC3601-3011A	3011A	86	**224.8**	17.1	4	$1,203	2	**239.2**	**220.1**	213.0	**221.6**	**230.0**
Latham	LH 3827 VT2P RIB	VT2P	88	**221.3**	16.1	3	$1,191	3	**233.3**	192.6	**231.8**	215.4	**233.6**
Latham	LH 3937 VT2P RIB	VT2P	89	**221.1**	17.1	3	$1,184	4	**233.8**	**204.3**	227.2	210.1	**230.1**
REA	3B903	VT2P	90	**219.9**	15.9	2	$1,183	5	**234.5**	**207.7**	220.6	**216.5**	220.2
Innotech	IC3983-3220	3220	89	**218.7**	16.8	3	$1,171	6	224.5	190.5	**238.2**	**224.1**	216.2
Integra	4041 VT2PRIB	VT2P	90	**218.2**	16.7	12	$1,170	7	226.3	**207.1**	**231.0**	201.6	225.0
Dairyland	DS-2828AM	AM	88	**216.9**	16.8	1	$1,165	8	225.6	199.9	219.7	202.8	**236.6**
Channel	189-64STXRIB GC	STX	89	**216.8**	17.3	3	$1,161	9	220.8	176.4	**240.7**	**219.0**	**227.3**
Hefty	H4052	VT2P	90	**216.7**	16.9	2	$1,160	11	219.9	**213.5**	204.1	**231.7**	214.1
Renk	RK297VT2P	VT2P	89	214.4	16.3	5	$1,152	12	211.9	190.3	225.8	**222.8**	221.4
Dairyland	DS-3022AM	AM	90	213.7	17.4	5	$1,143	14	214.7	195.1	223.3	206.6	**228.8**
Renk	RK312VT2PRIB	VT2P	90	213.2	16.4	1	$1,144	13	**230.8**	199.5	225.0	200.8	210.0
Golden Harvest	G90S99-5222 EZR	5222	90	212.7	16.8	6	$1,139	15	211.9	**203.6**	224.3	213.8	210.1
Renk	RK315VT2P	VT2P	90	209.7	16.7	5	$1,124	16	219.7	**205.9**	222.9	190.4	209.5
Golden Harvest	G85Z56-3220 EZR	3220	85	206.7	16.4	9	$1,110	17	205.6	193.6	216.2	207.9	210.1
Dahlman	R45-25VT2PRIB	VT2P	90	206.6	16.5	4	$1,109	18	216.3	200.0	209.9	198.3	208.3
Hefty	H3922 RIB	VT2P	89	205.8	16.5	4	$1,104	19	216.0	178.3	208.1	**222.6**	204.1
Proseed	1790 VT2PRIB	VT2P	90	205.6	16.8	4	$1,103	21	219.5	201.0	205.7	189.7	212.4
Thunder	T6190 VT2P	VT2P	90	205.5	16.5	3	$1,103	22	209.2	187.0	223.4	205.6	202.4
Channel	187-20VT2PRIB GC	VT2P	87	205.3	16.2	1	$1,104	20	215.5	184.8	203.1	214.6	208.8
Dyna-Gro	D27VC87	VT2P	87	204.7	16.3	5	$1,101	23	222.7	164.4	**231.2**	188.6	216.6
Thunder	T6888 VT2P	VT2P	88	204.1	16.1	8	$1,099	24	212.0	182.6	203.1	195.3	**227.4**
Latham	LH 3695 VT2P RIB	VT2P	86	204.1	16.0	4	$1,098	25	212.3	184.1	214.2	200.6	209.1
AgriGold	A615-64VT2RIB GC	VT2P	85	202.9	15.9	5	$1,093	26	221.2	162.5	229.1	193.4	208.5
Integra	3629 VT2PRIB	VT2P	86	202.7	16.0	5	$1,092	27	216.1	184.9	212.0	185.0	215.6
Hefty	H3712 RIB	VT2P	87	200.9	16.1	5	$1,082	28	220.0	174.4	209.2	185.4	215.8
Hefty	H3542 RIB	VT2P	85	200.3	15.6	1	$1,078	29	206.7	185.2	203.5	203.3	203.1
REA	2B862	VT2P	86	196.7	15.9	1	$1,060	30	211.8	179.5	209.9	171.8	210.5
Enestvedt	E878DP RIB	VT2P	87	194.9	15.8	12	$1,052	31	216.9	176.5	195.0	173.4	212.9
DeKalb	DKC41-99RIB CK	VT2P	91	**215.9**	16.3	1	$1,160	10	221.7	201.7	226.0	208.4	221.7
Averages =				206.0	16.4	4	$1,107		214.5	187.0	215.4	199.8	213.9
LSD (0.10) =				9.0	0.4	5.8			13.3	14.8	15.4	15.8	12.2

FULL-SEASON TEST | 91–95 Day CRM | Top 30 of 40 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	Doran	Fairmount	Litchville	Milnor	Wendell
Renk	RK429-3220A	3220A	93	**231.9**	17.7	11	$1,237	1	**254.1**	202.5	**251.9**	230.7	**220.3**
Hefty	H4522 RIB	VT2P	95	**231.8**	18.5	1	$1,228	2	209.6	**225.7**	**261.3**	**253.8**	208.8
Enestvedt	E612RR	RR2	92	**229.0**	17.4	4	$1,223	3	**246.4**	204.1	227.6	**248.3**	218.5
Rob-See-Co	RC4535-3110	3110	95	**228.8**	17.9	1	$1,216	4	231.0	208.2	**251.1**	**251.4**	202.3
Latham	LH 4517 VT2P RIB	VT2P	95	225.9	18.2	8	$1,202	6	226.6	198.4	**241.6**	**242.3**	**220.4**
Rob-See-Co	RC4166-3110A	3110A	91	225.1	17.5	13	$1,202	5	238.0	**225.6**	224.7	216.1	**221.1**
Latham	LH 4454 VT2P RIB	VT2P	94	223.9	18.5	0	$1,189	8	226.1	**215.4**	222.9	**245.2**	210.1
Integra	4509 VT2PRIB	VT2P	95	223.3	18.8	1	$1,184	10	236.0	211.8	226.6	235.3	206.9
AgriGold	A625-78VT2RIB GC	VT2P	95	223.1	17.8	5	$1,188	9	232.8	210.8	**241.5**	222.6	208.0
Hefty	H4332 RIB	VT2P	93	222.9	17.3	0	$1,189	7	234.8	**212.6**	236.6	231.6	199.1
REA	4B958	VT2P	95	221.2	18.8	0	$1,173	13	223.0	**212.5**	226.3	233.8	210.5
Dairyland	DS-3366AM	AM	93	220.7	17.8	6	$1,177	11	**248.0**	203.7	206.2	231.4	214.1
Golden Harvest	G91V51-5222A EZR	5222A	91	219.8	18.2	6	$1,170	14	235.4	185.7	**238.7**	230.1	209.4
Channel	195-85DGVT2PRIB GC	VT2P	95	219.4	18.0	5	$1,166	16	229.8	200.1	**250.4**	228.7	188.1
Dyna-Gro	D35VC35	VT2P	95	219.2	17.2	5	$1,173	12	232.6	205.4	204.2	234.1	**220.0**
Latham	LH 4375 VT2P RIB	VT2P	93	219.0	17.1	5	$1,169	15	**248.9**	208.4	214.1	**240.4**	183.4
Latham	LH 4242 VT2P RIB	VT2P	92	218.7	18.0	2	$1,165	17	217.9	204.7	222.3	235.0	213.7
AgriGold	A621-77VT2RIB GC	VT2P	91	217.1	17.2	2	$1,160	18	240.7	200.2	207.6	239.6	197.6
Dahlman	R47-24VT2PRIB	VT2P	94	217.0	17.6	9	$1,158	19	236.5	209.4	**244.1**	186.4	208.6
Thunder	T6791 VT2P	VT2P	91	215.9	17.5	0	$1,151	21	214.9	190.5	230.9	**243.0**	200.3
REA	4B933	VT2P	93	215.9	17.0	3	$1,156	20	228.6	187.5	217.3	233.0	213.1
Thunder	T6993 VT2P	VT2P	93	215.7	18.0	1	$1,150	22	229.1	198.9	231.5	203.3	215.8
Thunder	T6294 VT2P	VT2P	94	215.5	18.1	11	$1,148	24	235.1	187.9	223.5	215.6	215.2
Integra	4311 VT2PRIB	VT2P	93	215.2	17.3	4	$1,149	23	234.7	202.3	214.8	226.4	197.9
REA	4B944	VT2P	94	213.9	17.7	0	$1,140	25	220.6	203.6	214.8	229.7	200.9
Dahlman	R48-28VT2PRIB	VT2P	95	213.4	18.2	4	$1,135	27	225.8	196.0	215.4	228.3	201.5
Dairyland	DS-3550AM	AM	95	213.3	18.2	11	$1,136	26	224.6	211.0	204.0	213.0	214.2
Thunder	T6595 VT2P	VT2P	95	212.7	18.4	0	$1,130	29	221.4	210.3	206.9	222.1	202.7
Hefty	H4222 RIB	VT2P	92	212.6	17.6	1	$1,134	28	226.9	200.7	211.5	220.1	203.7
Dairyland	DS-3162Q	QR	91	210.2	16.9	8	$1,125	30	224.1	189.1	217.8	215.4	204.4
DeKalb	DKC41-99RIB CK	VT2P	91	207.8	16.8	1	$1,111	35	240.5	203.6	197.6	221.4	175.8
Averages =				216.5	17.7	4	$1,154		229.2	200.9	222.2	225.7	204.8
LSD (0.10) =				9.8	0.3	5.8			12.4	11.5	15.5	14.0	13.8

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

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
AGRIGOLD | AgriGold (AgReliant Genetics, LLC) www.agrigold.com 5381 Akin Road, St. Francisville, IL 62460 | (800) 262-7333					
A615-64VT2RIB GC	VT2P	85	Y	AC,P5V	RRSOa
A617-78VT2RIB GC	VT2P	87	Y	AC,P5V	RRCEb
A621-77VT2RIB GC	VT2P	91	Y	AC,P5V	RRSOb
A625-78VT2RIB GC	VT2P	95	Y	AC,P5V	RRSOb
BIOGENE | O'Toole Seed www.otooleseed.com/ 8132 County Rd 12, Crystal, ND 58222 | (701) 657-2127					
BG510AT EZR	3220A	81	Y	CM,C2,Vi	RRCEa
BG512V2 RIB	VT2P	81	Y	AC250	RRCEa
BG520V2 RIB	VT2P	82	Y	AC250	RRCEa
CHANNEL | Channel Brand (Bayer CropScience) www.channel.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (800) 768-6387					
187-20VT2PRIB GC	VT2P	87	Y	AC,P5,B360	RRCEb, RRSOa
189-64STXRIB GC	STX	89	Y	AC,P5V,B-360	RRCEb, RRSOa
195-85DGVT2PRIB GC	VT2P	95	Y	AC,P5,B360	RRSOb
DAHLMAN | Dahlman Seed Company LLP www.dahlmanseed.com 73504 200th St, Dassel, MN 55325 | (800) 289-7333					
R45-25VT2PRIB	VT2P	90	Y	AC,P2	MNEC, RRSOa
R47-24VT2PRIB	VT2P	94	Y	AC,P2	MNEC, RRSOb
R48-28VT2PRIB	VT2P	95	Y	AC,P2	MNEC, RRSOb
DAIRYLAND | Dairyland Seed Co., Inc. (Corteva Agriscience) www.dairylandseed.com PO Box 958, West Bend, WI 53095 | (800) 236-0163					
DS-2828AM	AM	88	Y	Lum	MNEC, RRCEb, RRSOa
DS-3022AM	AM	90	Y	Lum,P1V	MNEC, RRCEb, RRSOa
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
DEKALB | DeKalb Brand (Bayer CropScience) www.dekalb.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (800) 768-6387					
DKC36-86RIB CK	VT2P	86	Y	AC,P5V,EDC-EL	RRCEa, RRCEb
DKC41-99RIB CK	VT2P	91	Y	AC,P2,B360	RRSOa, RRSOb
DYNA-GRO | Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 | (970) 685-3300					
D23VC83	VT2P	83	N	AC,P5V	RRCEa
D27VC87	VT2P	87	N	AC,P5V	MNEC, RRCEb, RRSOa
D35VC35	VT2P	95	N	AC,P5V	RRSOb
ENESTVEDT | Enestvedt Seed Company www.enestvedtseeds.com 75802 County Rd 12, Sacred Heart, MN 56285 | (320) 765-2728					
E612RR	RR2	92	N	CM,C2,Vi	MNEC, RRSOb
E878DP RIB	VT2P	87	Y	AC250	RRSOa
GOLDEN HARVEST | Golden Harvest Brand (Syngenta) www.goldenharvestseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 944-7333					
G80Q01-3220A EZR	3220A	80	Y	AVC,C5,Vi	RRCEa
G84J92-3120A EZR	3120A	84	Y	AVC,C2,Vi	RRCEa
G85Z56-3220 EZR	3220	85	Y	AVC,C2,Vi	RRCEa, RRSOa
G90S99-5222 EZR	5222	90	Y	AVC,C2,Vi	MNEC, RRCEb, RRSOa
G90Y04-5222A EZR	5222A	90	Y	AVC,C2,Vi	RRCEb, RRSOa
G91V51-5222A EZR	5222A	91	Y	AVC,C2,Vi	MNEC, RRSOb, SDNEa

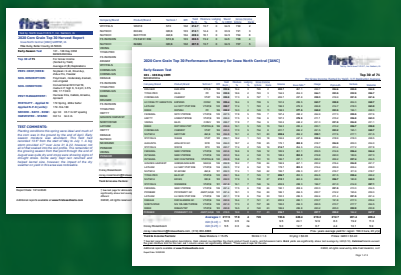
Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
HEFTY | Hefty Seed Company www.heftyseed.com 47504 252nd St, Baltic, SD 57003 | (866) 769-7200					
H2842 RIB	VT2P	80	Y	HC	RRCEa
H3042 RIB	VT2P	80	Y	HC	RRCEa
H3322 RIB	VT2P	83	Y	HC	RRCEa
H3442 RIB	VT2P	84	Y	HC	RRCEa
H3542 RIB	VT2P	85	Y	HC	RRCEa, RRSOa
H3632 RIB	VT2P	86	Y	HC	MNEC, RRCEb
H3712 RIB	VT2P	87	Y	HC	MNEC, RRCEb, RRSOa
H3922 RIB	VT2P	89	Y	HC	MNEC, RRCEb, RRSOa
H4032 RIB	VT2P	90	Y	HC	MNEC, RRCEb, RRSOa
H4052	VT2P	90	N	HC	MNEC, RRCEb, RRSOa
H4132	VT2P	91	N	HC	MNEC, MNSOu, RRSOb, SDNEa
H4222 RIB	VT2P	92	Y	HC	MNEC, RRSOb
H4332 RIB	VT2P	93	Y	HC	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
H4522 RIB	VT2P	95	Y	HC	MNEC, MNSOu, MNWCa, RRSOb, WICEa
INNOTECH | Rob See Co www.robseeco.com PO Box 129, Waterloo, NE 68069 | (855) 450-1822					
IC3983-3220	3220	89	Y	AVC,C2,Vi	RRCEb, RRSOa
INTEGRA | Integra Fortified Seed (Wilbur-Ellis) www.integraseed.com 2219 229th, Place Ames, IA 50014 | (515) 292-1300					
3009 VT2PRIB	VT2P	80	Y	AC,P5V,SU	RRCEa
3431 VT2PRIB	VT2P	84	Y	AC,P5V,SU	RRCEa
3629 VT2PRIB	VT2P	86	Y	AC,P5V	RRCEb, RRSOa
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
LATHAM | Latham Hi-Tech Seeds www.lathamseeds.com 131 180th St, Alexander, IA 50420 | (877) 465-2842					
LH 2977 VT2P RIB	VT2P	79	Y	AC,P2	RRCEa
LH 3325 VT2P RIB	VT2P	83	Y	AC,P2	RRCEa
LH 3397 VT2P RIB	VT2P	83	Y	AC,P2	RRCEa
LH 3695 VT2P RIB	VT2P	86	Y	AC,P2	RRCEb, RRSOa
LH 3827 VT2P RIB	VT2P	88	Y	AC,P2	RRCEb, RRSOa
LH 3937 VT2P RIB	VT2P	89	Y	AC,P2	RRCEb, RRSOa
LH 4242 VT2P RIB	VT2P	92	Y	AC,P2	RRSOb, SDNEa
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
PIONEER | DuPont Pioneer (Corteva Agriscience) www.pioneer.com PO Box 454, Johnston, IA 50131 | (800) 247-6803					
P9188AMXT GC	AMXT	91	Y	Lum	MNEC, MNSOu, RRSOb
PROSEED | Proseed, Inc. www.proseed.net 705 E Brewster, Harvey, ND 58341 | (800) 776-3121					
1787 VT2PRIB	VT2P	87	Y	AVC,C2,Vi	RRCEb
1790 VT2PRIB	VT2P	90	Y	AVC,C2,Vi	RRSOa
1794 VT2PRIB	VT2P	94	Y	AVC,C2,Vi	RRSOb, SDNEa
1882 VT2PRIB	VT2P	82	Y	AVC,C2,Vi	RRCEa

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					
2B851	VT2P	85	Y	AC,P5,B360	RRCEa, RRSOa
2B862	VT2P	86	Y	AC,P5,B360	RRCEa, RRSOa
2B863	VT2P	86	Y	AC,P5,B360	RRCEa, RRSOa
3B903	VT2P	90	Y	AC,P5,B360	RRCEb, RRSOa
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
RENK | Renk Seed Co. www.renkseed.com 6809 Wilburn Rd, Sun Prairie, WI 53590 | (800) BUY-RENK					
RK227VT2P	VT2P	82	N	AC,P2	RRCEa
RK256-3120-EZ	3120	84	Y	CM,C2	RRCEa
RK297VT2P	VT2P	89	N	AC,P5V	MNEC, RRCEb, RRSOa
RK312VT2PRIB	VT2P	90	Y	AC,P2	MNEC, RRCEb, RRSOa
RK315VT2P	VT2P	90	N	AC,P2	MNEC, RRCEb, RRSOa
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
ROB-SEE-CO | Rob See Co www.robseeco.com PO Box 129, Waterloo, NE 68069 | (855) 450-1822					
RC3041-3110A	3110A	80	N	CM,C2,Vi	RRCEa
RC3240-GT	GT	82	N	CM,C2,Vi	RRCEa
RC3418-3220A	3220A	84	Y	CM,C2,Vi	RRCEa
RC3601-3011A	3011A	86	N	CM,C2,Vi	RRCEb, RRSOa
RC4166-3110A	3110A	91	N	AVC,C2,Vi	RRSOb, SDNEa
RC4535-3110	3110	95	N	CM,C2,Vi	RRSOb, SDNEa
STINE | Stine Seed Company www.stineseed.com 22555 Laredo Trail Adel, IA 50003 | (800) 362-2510					
9202-G	3011A	86	N	Treated	RRCEb
9319-10	3010	93	N	Treated	RRSOb
THUNDER | Thunder Seed, Inc. www.thunderseed.com 806 Center Ave, W Dilworth, MN 56529 | (888) 684-8633					
T6085 VT2P	VT2P	85	Y	AC,P2	RRCEa
T6181 VT2P	VT2P	81	Y	AC,P2	RRCEa
T6185 VT2P	VT2P	85	Y	AC,P2	RRCEa, RRSOa
T6190 VT2P	VT2P	90	Y	AC,P2	RRCEb, RRSOa
T6294 VT2P	VT2P	94	Y	AC,P5,B360	MNWCa, RRSOb, SDNEa, WICEa
T6595 VT2P	VT2P	95	Y	AC,P2	MNWCa, RRSOb, SDNEa, WICEa
T6782 VT2P	VT2P	82	Y	AC,P2	RRCEa
T6791 VT2P	VT2P	91	Y	AC,P2	RRSOb, SDNEa
T6888 VT2P	VT2P	88	Y	AC,P2	RRCEb, RRSOa
T6983 VT2P	VT2P	83	Y	AC,P2	RRCEa
T6987 VT2P	VT2P	87	Y	AC,P2	RRCEb, RRSOa
T6992 VT2P	VT2P	92	Y	AC,P2	RRSOb, SDNEa
T6993 VT2P	VT2P	93	Y	AC,P2	RRSOb, SDNEa

Independent Yield Trials

Local Results

Convenient and Complete Yield Performance Reporting



Harvest Reports and **Region Summaries** provide field and multi-county summaries of corn grain, soybean, and corn silage yield performance from locations that are representative of their areas. Find local test results using interactive maps online. Sign up for free to receive email with links to the latest harvest reports at **www.firstseedtests.com/signup/**

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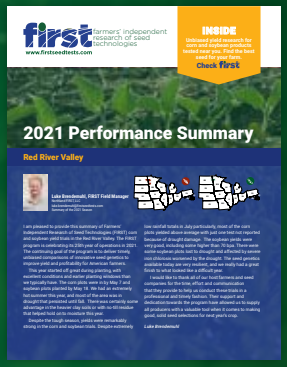
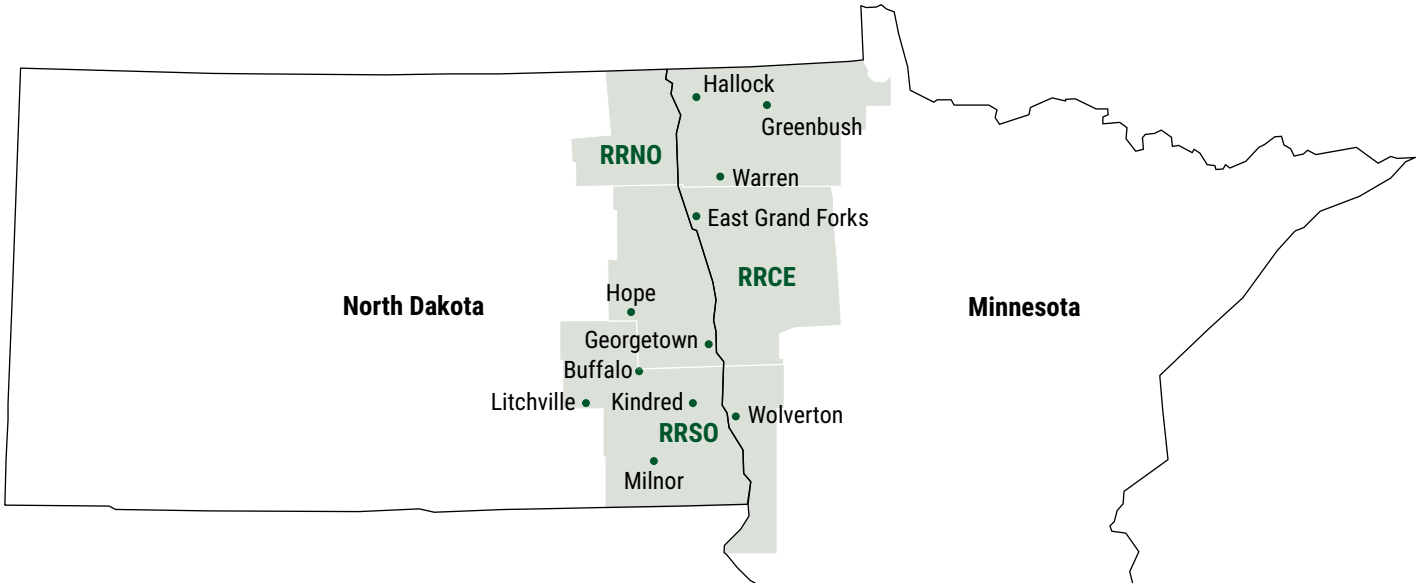


Product Search provides all the yield results for individual corn grain and soybean products. Look up a product to review all of its FIRST tests including yield and yield advantage, field conditions, and report links at **www.firstseedtests.com/product-search/**

More information available at www.firstseedtests.com



Site Description: RRNO *(See soybean results table on page 12)*

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
East Grand Forks, MN	Matthew Krueger	silt loam	conventional	wheat	–	18-May	28-Sep	132.9	55.3	38.6	5
Greenbush, MN	Garner Eeg	loam	conventional	wheat	–	11-May	–	–	NR	–	new site
Hallock, MN	Jackson Klein	clay	conventional	wheat	–	12-May	27-Sep	132.5	33.6	33.7	1
Warren, MN	Garth Kruger	sandy loam	conventional	wheat	–	11-May	27-Sep	132.3	54.7	32.7	3
									RRNO	**37.7**	**5**

Site Description: RRCE *(See soybean results table on page 12)*

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
Buffalo, ND	Tim Berntson	loam	conventional	prevent plant/rye cover	–	17-May	5-Oct	132.0	42.2	–	new site
East Grand Forks, MN	Matthew Krueger	silt loam	conventional	wheat	–	18-May	7-Oct	133.0	65.3	38.6	5
Georgetown, ND	Curtis Brendemuhl	silty clay	conventional	wheat	–	10-May	25-Sep	132.4	59.2	38.18	3
Hope, ND	Thomas Hiam	loam	conventional	wheat	–	13-May	21-Oct	123.1	42.8	42.9	2
									RRCE	**37.8**	**7**

Site Description: RRSO *(See soybean results table on page 13)*

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
Kindred, ND	Todd Toppen	silty clay	conventional	wheat	–	14-May	19-Oct	116.5	58.9	–	new site
Litchville, ND	Mark Formo	silty clay loam	no-till	wheat	–	17-May	6-Oct	131.7	73.6	42.8	6
Milnor, ND	Steve Hogness	silt loam	no-till	corn	–	16-May	6-Oct	131.7	71.4	41.2	1
Wolverton, MN	Bruce Yaggie	silt loam	conventional	corn	–	16-May	–	–	NR	–	new site
									RRSO	**41.2**	**7**

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2017–2021

	Average Yield by Year (Bu/A)					Since Inception	
FIRST Region	2021	2020	2019	2018	2017	Bu/A	#Years
RRNO	47.7	37.3	33.8	37.0	35.8	37.7	5
RRCE	52.3	33.3	36.5	46.3	43.0	37.8	7
RRSO	67.9	41.1	38.2	47.3	41.6	41.2	7

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

Soybean Results: RRNO *(See site description on page 11)*

ALL-SEASON TEST | MATURITY GROUP 00.7–0.4 | Top 30 of 53 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	East Grand Forks	Greenbush*	Hallock	Warren
Thunder	SB8903N	RRX	0.3	**55.9**	9.4	0	$710			**42.8**	**64.5**
Golden Harvest	GH0443X	RRX	0.4	**54.9**	9.0	1	$697	**66.1**	–	38.2	60.3
Proseed	XT80-20N	RRX	0.2	**54.2**	8.8	1	$688	**62.3**	–	**39.8**	60.4
Thunder	SB8104N	RRX	0.4	**53.8**	9.3	1	$683	**62.4**	–	**39.7**	59.1
Hefty	H04X8	RRX	0.4	**53.6**	9.3	0	$681	**61.8**	–	**40.6**	58.3
Stine	03EB02 §	E3	0.3	**53.5**	8.7	1	$680	60.9	–	**40.3**	59.2
Asgrow	AG02X2 §	RRX	0.2	**53.2**	8.8	0	$676	**65.0**	–	36.0	58.4
Latham	L 0282 R2X	RRX	0.2	**53.1**	8.7	1	$675	61.2	–	38.5	59.7
Proseed	EL90-33N	E3	0.3	**53.0**	8.8	0	$674	55.5	–	38.5	**65.1**
Latham	L 0124 R2X	RRX	0.1	**51.7**	8.5	1	$657	57.8	–	37.5	59.7
Dahlman	1201E3N	E3	0.1	51.0	8.8	1	$649	59.9	–	32.9	60.3
Innotech	IS0343E3	E3	0.3	50.7	8.7	0	$644	52.1	–	**40.7**	59.2
Dyna-Gro	S04XT91	RRX	0.4	50.6	9.2	1	$643	59.3	–	34.1	58.3
Golden Harvest	GH0145X	RRX	0.1	50.4	8.6	1	$640	57.3	–	36.8	56.9
Credenz	CZ 0419GTLL	LLGT27	0.4	50.2	9.4	1	$638	50.8	–	38.4	61.5
Dairyland	DSR-0645E	E3	0.4	49.9	9.4	1	$635	59.8	–	36.6	53.4
Latham	L 0438 R2X	RRX	0.4	49.8	9.3	1	$633	54.7	–	34.0	60.6
Xitavo	XO 0311E	E3	0.3	49.7	8.7	1	$631	56.3	–	37.6	55.1
Asgrow	AG03X7 §	RRX	0.3	49.1	8.7	1	$625	57.3	–	33.2	56.9
Latham	L 0293 E3	E3	0.2	49.1	8.7	1	$624	53.5	–	36.0	57.9
Thunder	TX8203	RXF	0.3	49.1	8.8	1	$624	56.0	–	36.5	54.8
Loyal	L0140E	E3	0.1	48.8	8.9	1	$620	56.6	–	36.0	53.8
Xitavo	XO 0101E	E3	0.1	48.2	8.7	1	$613	56.3	–	32.1	56.2
Dairyland	DSR-0119E	E3	0.2	48.1	8.7	0	$611	**63.6**	–	29.6	51.0
Golden Harvest	GH0325E3 GC	E3	0.3	47.9	8.7	1	$609	58.7	–	34.8	50.2
Golden Harvest	GH0272XF §	RXF	0.2	47.4	8.6	1	$603	56.3	–	30.4	55.5
Brevant	B019EE GC	E3	0.1	47.1	8.7	1	$599	59.5	–	29.8	52.0
Dyna-Gro	S02EN71	E3	0.2	47.0	10.0	1	$597	52.2	–	25.4	**63.4**
Latham	L 0425 E3	E3	0.4	46.8	10.4	1	$595	53.7	–	30.5	56.2
Latham	L 0254 XF	RXF	0.2	46.6	8.5	1	$593	51.3	–	37.1	51.4
Averages =				47.9	8.9	1	$608	55.3		33.6	54.7
LSD (0.10) =				3.7	0.5	0.6		6.4		5.1	6.8

* Greenbush - Lost to severe drought

Soybean Results: RRCE *(See site description on page 11)*

ALL-SEASON TEST | MATURITY GROUP 0.2–0.9 | Top 30 of 71 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Buffalo	East Grand Forks	Georgetown	Hope
Stine	08GC02 GC	LLGT27	0.8	**58.5**	10.7	0	$731	**57.9**	61.9	**66.3**	48.0
Genesis	G0750E	E3	0.7	**58.3**	10.4	0	$730	48.5	**72.6**	62.9	49.4
Latham	L 0785 E3	E3	0.7	**58.3**	10.5	0	$730	45.1	**79.7**	58.6	50.0
Hefty	H08XF2	RXF	0.8	**58.1**	10.4	0	$726	**51.1**	65.7	**64.3**	**51.4**
Hefty	H09X1	RRX	0.9	**57.5**	10.5	0	$719	**58.8**	66.5	60.3	44.6
Asgrow	AG09XF0 §	RXF	0.9	57.1	10.4	1	$714	**51.6**	69.6	59.7	47.5
Dairyland	DSR-0847E	E3	0.8	57.0	10.6	0	$715	37.6	**74.4**	**66.4**	49.7
Dairyland	DSR-1010E	E3	1.0	57.0	10.7	1	$712	**53.3**	70.0	59.3	45.3
Dyna-Gro	S07EN61	E3	0.7	56.9	10.6	0	$712	42.6	**75.3**	61.3	48.4
Xitavo	XO 0731E	E3	0.7	56.5	10.5	0	$707	48.1	68.7	63.1	46.1
Latham	L 0739 R2X	RRX	0.7	56.1	10.2	0	$702	48.3	68.7	59.9	47.6
Genesis	G0651E	E3	0.6	56.0	10.3	0	$700	44.2	69.5	57.1	**53.1**
Credenz	CZ 0661GTLL	LLGT27	0.6	55.9	10.8	0	$700	39.0	**75.9**	58.0	**50.7**
Hefty	H07XF1	RXF	0.7	55.8	10.4	0	$699	46.7	70.7	61.8	43.9
Mustang	03X329 GC	RRX	0.3	55.4	10.3	1	$693	44.0	64.9	62.9	49.8
AgriGold	G0801E3 §	E3	0.8	55.3	10.7	0	$693	**52.1**	**72.6**	57.6	39.1
Hefty	H04X8	RRX	0.4	55.3	10.4	1	$692	42.4	66.8	60.9	**51.1**
NK Brand	NK05-W3XF	RXF	0.5	55.1	10.7	1	$689	45.3	70.1	59.8	45.1
Innotech	IS0864E3	E3	0.8	55.0	10.7	0	$687	46.9	60.0	**63.9**	49.1
Thunder	TX8109N	RXF	0.9	54.9	10.5	0	$688	45.7	71.7	60.8	41.5
Latham	L 0984 XF	RXF	0.9	54.6	11.0	0	$683	46.0	66.5	59.6	46.4
Golden Harvest	GH0443X	RRX	0.4	54.5	10.4	0	$682	48.6	67.5	59.7	42.3
Mustang	06X628 GC	RRX	0.6	54.5	10.3	1	$682	44.2	68.0	58.8	47.0
Hefty	H06X8	RRX	0.6	54.3	10.2	0	$679	38.7	68.7	62.7	46.9
Thunder	TX8205N	RXF	0.5	54.2	10.4	0	$678	47.8	65.6	59.9	43.6
Dyna-Gro	S05EN82	E3	0.5	54.1	10.4	0	$677	45.4	71.4	54.3	45.3
NK Brand	NK08-B7XF	RXF	0.8	54.0	10.5	1	$676	43.5	64.4	61.7	46.5
Thunder	TX8207N	RXF	0.7	54.0	10.4	0	$677	46.5	68.6	60.5	40.5
Genesis	G0760E	E3	0.7	54.0	10.3	0	$675	46.2	64.3	61.3	44.1
Thunder	SB8903N	RRX	0.3	53.8	10.4	0	$674	33.7	70.1	60.8	**50.7**
Averages =				52.4	10.4	0	$656	42.1	65.5	59.2	42.8
LSD (0.10) =				5.0	0.3	ns		8.6	6.8	3.9	7.7

Soybean Results: RRSO *(See site description on page 11)*

EARLY-SEASON TEST | MATURITY GROUP 0.6–0.9 | Top 30 of 44 — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Kindred	Litchville	Milnor	Wolverton*
Thunder	SB8010N	RRX	1.0	71.0	11.2	2	$863	59.5	**81.4**	72.0	–
Innotech	IS0864E3	E3	0.8	70.5	11.8	3	$857	58.7	75.2	77.5	–
Stine	09EA02 §	E3	0.9	70.4	11.6	2	$856	58.8	73.5	**78.9**	–
Dairyland	DSR-0920E	E3	0.9	70.3	11.5	0	$854	53.2	**78.9**	**78.7**	–
Dairyland	DSR-1010E	E3	1.0	69.9	11.5	3	$849	60.6	70.7	**78.3**	–
Thunder	TX8109N	RXF	0.9	69.8	11.7	2	$849	54.9	77.5	77.1	–
Latham	L 1094 E3	E3	1.0	69.8	11.4	1	$849	**60.9**	73.2	75.3	–
Xitavo	XO 1041E	E3	1.0	69.7	11.7	1	$847	**63.6**	71.3	74.3	–
Thunder	TX8206N	RXF	0.6	69.6	11.5	1	$845	60.3	75.4	72.9	–
Thunder	TX8207N	RXF	0.7	69.0	11.5	1	$839	59.5	75.8	71.8	–
Asgrow	AG09XF0 §	RXF	0.9	69.0	11.2	3	$839	59.0	76.4	71.6	–
Genesis	G0750E	E3	0.7	68.6	11.6	5	$834	59.1	74.1	72.7	–
Golden Harvest	GH0842E3	E3	0.8	68.4	11.4	0	$831	59.3	73.0	72.8	–
Apex	AE0720	E3	0.7	68.3	11.3	1	$830	58.7	72.3	73.8	–
Brevant	B091EE GC	E3	0.9	68.1	11.9	3	$828	56.1	76.9	71.3	–
Xitavo	XO 0731E	E3	0.7	68.1	11.5	1	$827	58.8	67.7	**77.7**	–
Thunder	SB8807N	RRX	0.7	67.9	11.4	8	$826	56.4	77.8	69.7	–
Hefty	H08XF2	RXF	0.8	67.8	11.6	4	$824	54.8	75.9	72.7	–
Genesis	G0760E	E3	0.7	67.7	11.3	1	$823	57.8	70.9	74.4	–
NK Brand	NK08-B7XF	RXF	0.8	67.7	11.4	6	$823	55.8	74.2	73.0	–
Genesis	G0651E	E3	0.6	67.4	11.3	2	$819	52.6	73.3	76.1	–
NK Brand	NK08-V9E3 §	E3	0.8	67.3	11.4	0	$819	51.9	74.6	75.5	–
Latham	L 0984 XF	RXF	0.9	67.2	11.8	2	$817	50.7	76.0	74.8	–
Loyal	L0740E	E3	0.7	67.2	11.3	0	$817	53.4	72.9	75.2	–
Asgrow	AG10XF1 §	RXF	1.0	67.1	11.2	2	$815	56.8	71.2	73.2	–
Latham	L 0995 E3	E3	0.9	67.0	11.4	2	$814	58.2	68.4	74.3	–
Innotech	IS0678E3	E3	0.6	66.9	11.3	1	$813	54.7	70.9	75.1	–
Innotech	IS1022E3	E3	1.0	66.9	11.5	2	$813	**60.7**	64.6	75.4	–
Hefty	H07XF1	RXF	0.7	66.7	11.5	1	$810	53.1	75.8	71.1	–
Apex	AE0611	E3	0.6	66.2	11.5	1	$804	53.2	71.3	74.1	–
Channel	1022RXF CK	RXF	1.0	70.1	11.5	1	$853	**61.0**	74.8	74.7	–
Averages =				67.2	11.5	2	$817	56.2	72.0	73.4	
LSD (0.10) =				4.0	0.2	2.9		4.5	5.9	4.3	

FULL-SEASON TEST | MATURITY GROUP 1.0–1.4 | Top 30 of 43 tested — Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Kindred	Litchville	Milnor	Wolverton*
Dairyland	DSR-1290E	E3	1.2	**75.5**	11.0	6	$918	63.8	**86.5**	**76.2**	–
Dairyland	DSR-1450E	E3	1.4	**74.8**	11.3	1	$909	65.3	80.5	**78.7**	–
Brevant	B141EE §	E3	1.4	**74.8**	11.3	0	$909	**65.5**	82.5	**76.4**	–
Zinesto	Z1101E	E3	1.1	**74.6**	11.1	2	$907	**67.0**	83.0	73.9	–
Stine	14EE01 §	E3	1.4	**74.2**	11.5	3	$901	**69.5**	75.6	**77.5**	–
Latham	L 1482 R2X	RRX	1.4	**73.7**	11.0	5	$896	61.9	**85.0**	**74.2**	–
Loyal	L1230ES	E3,ST	1.2	**73.6**	11.1	2	$895	61.5	**83.7**	**75.7**	–
Golden Harvest	GH1472E3 §	E3	1.4	**72.9**	11.2	7	$885	**68.7**	78.5	71.4	–
Zinesto	Z1302E	E3	1.3	72.7	11.2	3	$884	61.3	82.6	**74.3**	–
Hefty	H14XF1	RXF	1.4	72.7	11.1	1	$883	62.8	**84.2**	71.0	–
Thunder	TX8211N	RXF	1.1	72.0	11.3	2	$875	62.7	81.7	71.6	–
Dairyland	DSR-1318E	E3	1.3	71.5	11.1	5	$870	60.2	80.2	**74.2**	–
Hefty	H12XF2	RXF	1.2	70.7	11.3	1	$860	60.3	**85.6**	66.2	–
Latham	L 1383 XF	RXF	1.3	70.5	11.3	1	$857	63.8	73.0	**74.7**	–
Credenz	CZ 1171GTLL	LLGT27	1.1	70.1	11.0	2	$852	61.8	82.2	66.4	–
NK Brand	NK14-C7XF	RXF	1.4	69.6	11.0	7	$846	61.6	79.6	67.6	–
Loyal	L1440E	E3	1.4	69.6	11.2	1	$846	**65.8**	72.8	70.2	–
Xitavo	XO 1372E	E3	1.3	69.3	11.1	3	$842	62.1	72.0	73.7	–
Dyna-Gro	S12XF92	RXF	1.2	69.2	11.2	2	$841	57.8	82.8	67.0	–
Apex	AE1420	E3	1.4	68.9	11.4	5	$837	64.6	71.0	71.1	–
Thunder	TE7011N	E3	1.1	68.8	11.5	0	$837	61.7	78.7	66.2	–
Stine	12EE63 §	E3	1.2	68.4	11.4	6	$831	57.8	75.6	71.8	–
Zinesto	Z1411E	E3	1.4	68.4	11.5	7	$831	63.3	73.1	68.7	–
Xitavo	XO 1451E	E3	1.4	68.1	11.2	5	$828	62.3	74.6	67.4	–
Credenz	CZ 1331GTLL	LLGT27	1.3	68.0	11.3	2	$826	62.4	70.9	70.8	–
Apex	AE1410	E3	1.4	68.0	11.9	9	$827	64.5	72.4	67.2	–
Genesis	G1460E	E3	1.4	67.7	11.5	2	$823	62.7	70.3	70.2	–
Hefty	H13XF1	RXF	1.3	67.1	11.3	7	$815	60.9	76.8	63.5	–
Hefty	H11XF2	RXF	1.1	66.8	11.5	2	$812	59.9	69.0	71.6	–
Asgrow	AG12XF1 §	RXF	1.2	66.6	11.1	3	$809	62.0	69.8	67.9	–
Channel	1022RXF CK	RXF	1.0	68.4	11.4	2	$832	61.3	74.5	69.5	–
Averages =				68.7	11.3	5	$836	61.5	75.3	69.3	
LSD (0.10) =				4.0	0.2	6.5		3.8	8.3	4.7	

* Lost to severe iron chlorosis (Wolverton)

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

SOYBEAN PRODUCTS TESTED

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
AGRIGOLD | AgriGold (AgReliant Genetics, LLC) www.agrigold.com 5381 Akin Road, St. Francisville, IL 62460 | (800) 262-7333					
G0801E3 §	E3	0.8	NA	ASfi,SA	RRCE
APEX | M.S. Technologies, L.L.C. www.mstechseed.com/ 103 Avenue D, West Point, IA 52656 | (800) 362-2510					
AE0611	E3	0.6	R	CMBV,SA	MNNCa, RRCE, RRSOa
AE0720	E3	0.7	R	CMBV,SA	MNNCa, RRCE, RRSOa
AE1220	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNEa
AE1410	E3	1.4	R	CMBV,SA	MNCEa, RRSOb
AE1420	E3	1.4	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNEb
ASGROW | Asgrow Brand (Bayer CropScience) www.asgrow.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (314) 694-1000					
AG008X1 §	RRX	00.8	R	ACi	RRNO
AG02X2 §	RRX	0.2	R	ACi	RRCE, RRNO
AG03X7 §	RRX	0.3	R	ACi	RRCE, RRNO
AG09XF0 §	RXF	0.9	R	ACi,IL	MNNCa, RRCE, RRSOa
AG10XF1 §	RXF	1.0	R	ACi,IL	MNNCb, RRSOa, SDNEa
AG12XF1 §	RXF	1.2	S	ACi,IL	RRSOb, SDNEa
BREVANT | Brevant Seeds (Corteva Agriscience) www.brevant.com 9330 Zionsville Rd, Indianapolis, IN 46268 | (800) 667-3852					
B019EE GC	E3	0.1	S	Untreated	RRNO
B061EE GC	E3	0.6	MR	Untreated	RRSOa
B091EE GC	E3	0.9	S	Untreated	RRSOa
B119EE §	E3	1.1	R	Untreated	RRSOb
B141EE §	E3	1.4	MR	Untreated	RRSOb
CHANNEL | Channel Brand (Bayer CropScience) www.channel.com 800 N Lindbergh Blvd, St. Louis, MO 63167 | (800) 768-6387					
0622RXF §	RXF	0.6	NA	ACi,IL	RRCE, RRSOa
1022RXF CK	RXF	1.0	NA	ACi,IL	RRSOa, RRSOb
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 0419GTLL	LLGT27	0.4	MR	PV,IL,OB	RRCE, RRNO
CZ 0661GTLL	LLGT27	0.6	R	PV,IL,OB	MNNCa, RRCE, RRSOa
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
DAHLMAN | Dahlman Seed Company LLP www.dahlmanseed.com 73504 200th St, Dassel, MN 55325 | (800) 289-7333					
1102E3N	E3	0.2	R	Treated	RRNO
1201E3N	E3	0.1	R	Treated	RRNO
DAIRYLAND | Dairyland Seed Co., Inc. (Corteva Agriscience) www.dairylandseed.com PO Box 958, West Bend, WI 53095 | (800) 236-0163					
DSR-0119E	E3	0.2	S	Lum,IL	RRNO
DSR-0645E	E3	0.4	R	Lum,IL	RRCE, RRNO
DSR-0660E	E3	0.6	R	Lum,IL	MNNCa, RRCE
DSR-0847E	E3	0.8	S	Lum,IL	MNNCa, RRCE
DSR-0920E	E3	0.9	R	Lum,IL	MNNCb, RRSOa
DSR-1010E	E3	1.0	R	Lum,IL	MNNCa, RRCE, RRSOa
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

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
DYNA-GRO | Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 | (970) 685-3300					
S009XT68	RRX	00.9	S	EQV,SA	RRNO
S02EN71	E3	0.2	R	EQV,SA	RRNO
S04XT91	RRX	0.4	MR	EQV,SA	RRNO
S05EN82	E3	0.5	R	EQV,SA	RRCE
S07EN61	E3	0.7	R	EQV,SA	MNNCa, RRCE
S09EN41	E3	0.9	R	EQV,SA	MNNCa, RRSOa
S12EN72	E3	1.2	R	EQV,SA	RRSOb
S12XF92	RXF	1.2	R	EQV,SA	MNNCb, RRSOb, SDNEa
GENESIS | M.S. Technologies, L.L.C. www.mstechseed.com/ 103 Avenue D, West Point, IA 52656 | (800) 362-2510					
G0651E	E3	0.6	R	CMBV,SA	MNNCa, RRCE, RRSOa
G0750E	E3	0.7	R	CMBV,SA	RRCE, RRSOa
G0760E	E3	0.7	R	CMBV,SA	MNNCa, RRCE, RRSOa
G1260E	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNEa
G1460E	E3	1.4	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNEb
GOLDEN HARVEST | Golden Harvest Brand (Syngenta) www.goldenharvestseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 944-7333					
GH00833E3 GC	E3	00.8	MR	CMBV,SA	RRNO
GH00982XF	RXF	00.9	MR	CMBV,SA	RRNO
GH0145X	RRX	0.1	S	CMBV,SA	RRNO
GH0272XF §	RXF	0.2	MR	CMBV,SA	RRCE, RRNO
GH0294E3 GC	E3	0.2	S	CMBV,SA	RRNO
GH0325E3	E3	0.3	MR	CMBV,SA	RRCE
GH0443X	RRX	0.4	MR	CMBV,SA	RRCE, RRNO
GH0502XF	RXF	0.5	MR	CMBV,SA	RRCE
GH0593E3 GC	E3	0.5	MR	CMBV,SA	RRCE
GH0822XF	RXF	0.8	R	CMBV,SA	RRCE
GH0842E3	E3	0.8	R	CMBV,SA	MNNCa, RRSOa
GH1032XF	RXF	1.0	R	CMBV,SA	MNNCb, RRSOa
GH1442XF	RXF	1.4	MR	CMBV,SA	MNCEa, MNNCb, RRSOb
GH1472E3 §	E3	1.4	R	CMBV,SA	MNCEa, RRSOb
HEFTY | Hefty Seed Company www.heftyseed.com 47504 252nd St, Baltic, SD 57003 | (866) 769-7200					
H008E1	E3	00.8	R	DST4,SA	RRNO
H009XF2	RXF	00.9	NA	DST4,SA	RRNO
H01X0	RRX	0.1	S	DST4,SA	RRNO
H02E1	E3	0.2	R	DST4,SA	RRCE, RRNO
H04X8	RRX	0.4	MR	DST4,SA	RRCE, RRNO
H06X8	RRX	0.6	MR	DST4,SA	MNNCa, RRCE
H06XF2	RXF	0.6	NA	DST4,SA	MNNCa, RRCE, RRSOa
H07XF1	RXF	0.7	NA	DST4,SA	MNNCa, RRCE, RRSOa
H08XF2	RXF	0.8	NA	DST4,SA	MNNCa, RRCE, RRSOa
H09X1	RRX	0.9	R	DST4,SA	RRCE
H10XF1	RXF	1.0	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
INNOTECH | Rob See Co www.robseeco.com PO Box 129, Waterloo, NE 68069 | (855) 450-1822					
IS0156E3	E3	0.1	S	Fortify	RRNO
IS0343E3	E3	0.3	MR	Fortify	RRCE, RRNO

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
IS0678E3	E3	0.6	MR	Fortify	RRCE, RRSOa
IS0864E3	E3	0.8	R	Fortify	RRCE, RRSOa
IS1022E3	E3	1.0	R	Fortify	RRSOa, SDNEa
IS1283E3	E3	1.2	R	Fortify	RRSOb, SDNEa
LATHAM | Latham Hi-Tech Seeds www.lathamseeds.com 131 180th St, Alexander, IA 50420 | (877) 465-2842					
L 00839 E3	E3	00.8	R	SS+	RRNO
L 0124 R2X	RRX	0.1	S	SS+,SA	RRNO
L 0225 E3	E3	0.2	S	SS+	RRNO
L 0254 XF	RXF	0.2	S	SS+,SA	RRNO
L 0282 R2X	RRX	0.2	R	SS+	RRNO
L 0293 E3	E3	0.2	R	SS+	RRCE, RRNO
L 0425 E3	E3	0.4	S	SS+	RRCE, RRNO
L 0438 R2X	RRX	0.4	R	SS+	RRCE, RRNO
L 0728 XF	RXF	0.7	R	SS+,SA	MNNCa, RRCE
L 0739 R2X	RRX	0.7	R	SS+,SA	RRCE
L 0785 E3	E3	0.7	R	SS+,SA	MNNCa, RRCE
L 0984 XF	RXF	0.9	R	SS+,SA	MNNCa, RRCE, RRSOa
L 0995 E3	E3	0.9	R	SS+,SA	MNNCa, RRCE, RRSOa
L 1094 E3	E3	1.0	R	SS+,SA	RRSOa
L 1219 E3	E3	1.2	R	SS+,SA	MNNCb, RRSOb, SDNEa
L 1383 XF	RXF	1.3	R	SS+,SA	MNCEa, MNNCb, RRSOb, SDNEa
L 1392 E3	E3	1.3	R	SS+	MNNCb, RRSOb
L 1429 LLGT27	LLGT27	1.4	R	SS+,SA	MNCEa, RRSOb
L 1482 R2X	RRX	1.4	R	SS+,SA	RRSOb, SDNEb
LOYAL | M.S. Technologies, L.L.C. www.mstechseed.com/ 103 Avenue D, West Point, IA 52656 | (800) 362-2510					
L0140E	E3	0.1	S	CMBV,SA	RRNO
L0640E	E3	0.6	R	CMBV,SA	MNNCa, RRCE, RRSOa
L0740E	E3	0.7	R	CMBV,SA	MNNCa, RRCE, RRSOa
L1230ES	E3,ST	1.2	R	CMBV,SA	MNCEa, MNNCb, RRSOb
L1240E	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNEa
L1440E	E3	1.4	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNEb
MUSTANG | Mustang Seeds www.mustangseeds.com 1021 SW 10th St., Madison, SD 57042 | (800) 952-3234					
03X329 GC	RRX	0.3	R	Treated	RRCE
06X628 GC	RRX	0.6	R	Treated	RRCE
NK BRAND | NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 | (800) 258-0521					
NK009-T1XF §	RXF	00.9	MR	CMBV,SA	RRNO
NK02-M4XF	RXF	0.2	MR	CMBV,SA	RRCE, RRNO
NK04-G8E3 §	E3	0.4	R	CMBV,SA	RRCE, RRNO
NK05-W3XF	RXF	0.5	R	CMBV,SA	RRCE
NK08-B7XF	RXF	0.8	R	CMBV,SA	MNNCa, RRCE, RRSOa
NK08-V9E3 §	E3	0.8	R	CMBV,SA	MNNCa, RRSOa
NK10-W8XF §	RXF	1.0	R	CMBV,SA	RRSOa
NK14-C7XF	RXF	1.4	R	CMBV,SA	MNCEa, RRSOb, SDNEb
PROSEED | Proseed, Inc. www.proseed.net 705 E Brewster, Harvey, ND 58341 | (800) 776-3121					
EL90-33N	E3	0.3	R	CMBV	RRNO
XF10-092N	RXF	00.9	R	CMBV	RRNO
XT80-20N	RRX	0.2	R	CMBV	RRNO

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
STINE | Stine Seed Company www.stineseed.com 22555 Laredo Trail Adel, IA 50003 | (800) 362-2510					
003EB62 §	E3	00.3	R	na	RRNO
03EB02 §	E3	0.3	R	SFI	RRCE, RRNO
06EC23 §	E3	0.6	R	SFI	RRCE
08EC02 §	E3	0.8	R	SFI	RRCE
08GC02 GC	LLGT27	0.8	R	na	RRCE
09EA02 §	E3	0.9	R	SFI	MNNCa, RRSOa
12EE63 §	E3	1.2	R	SFI	RRSOb, SDNEa
14EE01 §	E3	1.4	MR	SFI	MNCEa, MNNCb, RRSOb, SDNEb
THUNDER | Thunder Seed, Inc. www.thunderseed.com 806 Center Ave, W Dilworth, MN 56529 | (888) 684-8633					
SB8001	RRX	0.1	S	AM	RRNO
SB8010N	RRX	1.0	R	AM	MNNCb, RRSOa, SDNEa
SB8104N	RRX	0.4	R	AM	RRCE, RRNO
SB88007N	RRX	00.7	R	AM	RRNO
SB8807N	RRX	0.7	R	AM	MNNCa, RRCE, RRSOa
SB8903N	RRX	0.3	R	AM	RRCE, RRNO
TE7011N	E3	1.1	R	AM	MNNCb, RRSOb, SDNEa
TE71008N	E3	00.8	R	AM	RRNO
TE7101N	E3	0.1	R	AM	RRNO
TE7207	E3	0.7	S	AM	MNNCa, RRCE, RRSOa
TX8109N	RXF	0.9	R	AM	MNNCa, RRCE, RRSOa
TX82008N	RXF	00.8	R	AM	RRNO
TX8203	RXF	0.3	S	AM	RRNO
TX8205N	RXF	0.5	R	AM	RRCE
TX8206N	RXF	0.6	R	AM	RRCE, RRSOa
TX8207N	RXF	0.7	R	AM	MNNCa, RRCE, RRSOa
TX8211N	RXF	1.1	R	AM	MNNCb, RRSOb, SDNEa
XITAVO | Xitavo (M.S. Technologies, L.L.C.) www.xitavosoybeanseed.com 103 Avenue D, West Point, IA 52656 | (800) 362-2510					
XO 0101E	E3	0.1	MR	PV,IL,OB	RRNO
XO 0311E	E3	0.3	MR	PV,IL,OB	RRCE, RRNO
XO 0521E	E3	0.5	R	PV,IL,OB	RRCE
XO 0602E	E3	0.6	R	PV,IL,OB	MNNCa, RRSOa
XO 0731E	E3	0.7	R	PV,IL,OB	MNNCa, RRCE, RRSOa
XO 1041E	E3	1.0	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
ZINESTO | M.S. Technologies L.L.C. www.zinestoseed.com 103 Avenue D, West Point, IA 52656 | (800) 352-2510					
Z0602E	E3	0.6	NA	DST4,SA	MNNCa, RRCE, RRSOa
Z0702E	E3	0.7	NA	DST4,SA	MNNCa, RRCE, RRSOa
Z0801E	E3	0.8	R	DST4,SA	RRCE
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

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