

2020 Performance Summary

RED RIVER VALLEY



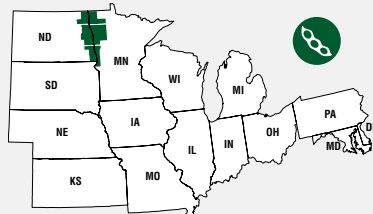
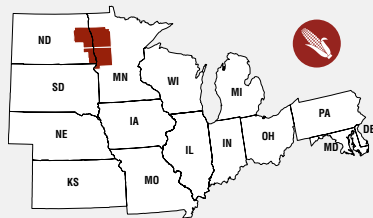
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This year had challenges for Red River Valley farmers, but was still a relief in many ways from the difficult 2019 season. The planting season was wet again this year, though we had some better conditions for planting corn in May. Some delays were due to moisture left from the previous season or rain in the spring, particularly in Red River North. Heavy June rains caused emergence problems and washed out one plot and damaged a few others. All of the Red River Valley regions had big rainfall totals in June. If stands weren't hurt too badly by standing water, the rain did leave the soil profile full and helped through a drier August.

In the central region, the wet spring weather caused many prevent plant acres for corn, and the FIRST plots were some of the only corn acres on our hosts' farms. The Georgetown plot took advantage of good heat in the summer, and finished strong. We had 2 days of hard frost in September that cut the yield potential of plots through these regions and into South Dakota. The soybean plots were particularly hard hit by the freeze, reducing yields in the central region.

In the south, there were additional weather challenges with wind damage to some of the corn plots, and hail damage destroying the soybean plot at Wheaton, MN. The Fairmount and Wendell corn tests looked good, and were typical of good conditions in this area.

We want to thank the host farmers who work with us on these trials. These areas see a lot of difficult conditions, and their effort to help provide good, independent yield data is appreciated. FIRST is proud to offer this information on yield performance to help growers and seedsmen select the best products for farms in the Red River Valley.

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 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, 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.

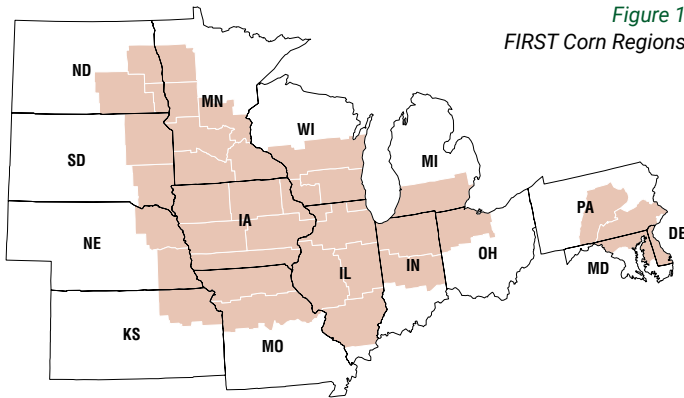


Figure 1
FIRST Corn Regions

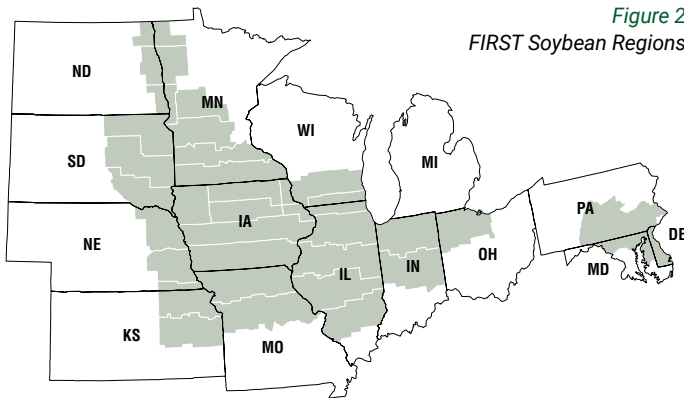


Figure 2
FIRST Soybean Regions

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 (See pages 21–24 & 35–37). 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. ×1234 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.

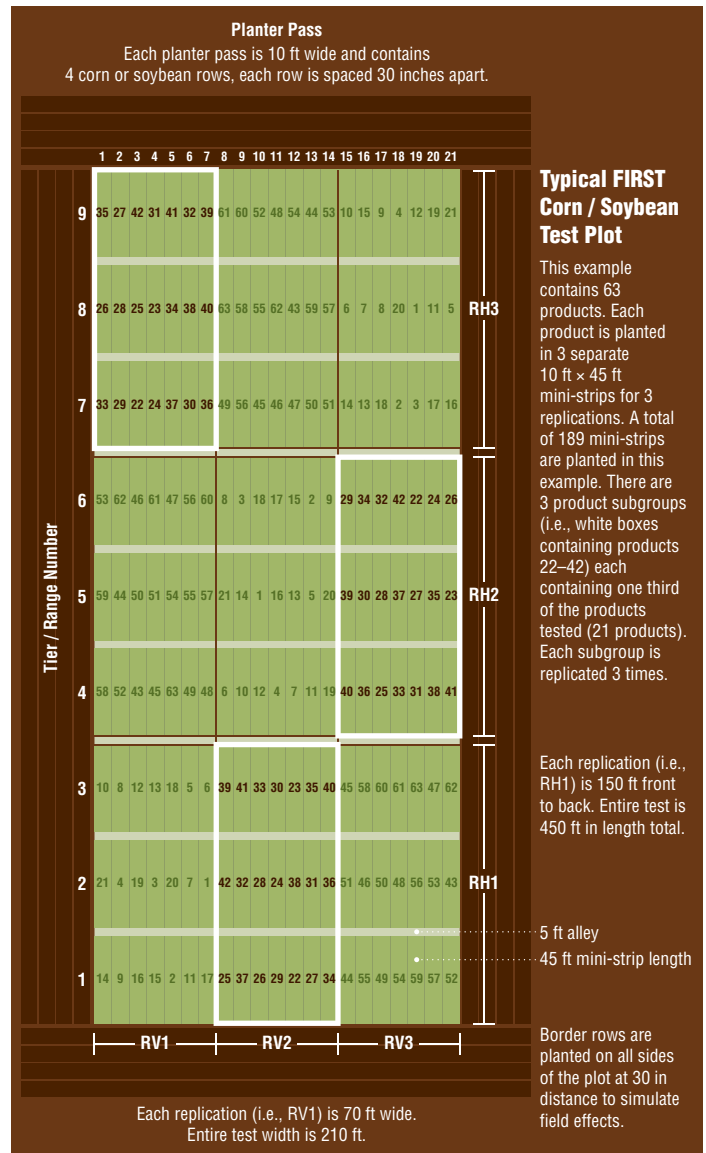
Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to

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 Performance 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) as well as Protein (%) and Oil (%) content in soybean only, 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 Top 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 Performance Summary Reports are compiled here for 2020 Red River Valley.

Figure 4 Corn Grain Performance Summary

EARLY-SEASON TEST 93-98 Day CRM Top 30 of 48 tested											Results in BOLD are significantly above test average.				
Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	1st Late	2nd	3rd	4th	5th		
Dairyland	DS-3550AM	AM	95	219.9	24.1	1	\$759	1	272.2	188.1	148.6	220.6	270.0		
Thunder	6098 VT2P	VT2PB	98	219.5	24.0	1	\$756	2	249.7	224.0	157.1	206.1	260.5		
Renk	RS61DGV2P	VT2PDG	95	216.7	23.2	3	\$751	3	251.0	222.9	163.4	203.4	242.9		
Titian Pro	86-96 2P	VT2PB	96	215.1	24.0	1	\$742	4	255.5	215.0	151.1	210.2	245.7		

Figure 5 Soybean Performance Summary

ALL-SEASON TEST MATURITY GROUP 3-3-4-3 Top 30 of 54 tested											Results in BOLD are significantly above test average.				
Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Berlin	Forgh	Turcota	Vindin		
Dyna-Gro	S37X589	RRX-ST	3.7	65.8	34.7	18.9	12.5	3	\$592	68.8	61.3	64.5	66.5		
Great Heart	GT3711X3	RRX-ST	3.7	65.5	34.5	19.1	12.7	3	\$590	67.8	62.7	66.8	64.8		
FS HiSoy	HS-38X70	RRX-ST	3.8	63.3	34.8	18.9	12.4	3	\$570	66.0	61.2	62.0	63.9		
Pioneer	P36A18X	RRX	3.6	63.2	34.4	19.5	12.8	4	\$569	67.0	56.1	62.7	67.1		

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.
- F Oil (%)** – Soybean oil content at 13% grain moisture determined by near infrared reflectance spectroscopy (NIR).
- G Protein (%)** – Soybean protein content at 13% grain moisture determined by NIR.

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

Test Comments – The FIRST manager will provide comments and observations for each test site. This insight on weather patterns, plant health and soil conditions provide context to the data and underscore the challenges and opportunities the test entries were able to overcome or exploit.

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 “S” product name suffix are funded by soybean checkoff dollars. This program strives to gather yield and grain composition results from genetics that otherwise would not be available.

TECHNOLOGY CODE LEGEND

Product Suffix Key

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

Corn Seed Technology Key

CODE	DESCRIPTION
3000GT	Agrisure® 3000GT (CB,RW,LL,GT)
3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3011	Agrisure® 3011 (CB,RW,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)
5222	Agrisure® Duracade® 5222 (Vip,CB,HX,RW,RW2,LL,GT)
A	Agrisure® Artesian®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)
AMT	Optimum® AcreMax®TRisect (HX,RW,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)
AQ	Optimum® AQUAmax®
B	Blend - RIB or EZ refuge
CB	Agrisure® Corn Borer
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
DG	Genuity® DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop tolerance)
GT	Agrisure® GT
HX	Herculex® 1, contains LL
HX,RR2	Herculex® 1, Roundup Ready 2 Corn
HXRW	Herculex® Rootworm, contains LL
HXT	Herculex® Xtra (HX,HXRW,LL)
HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
LL	LibertyLink®
CONV	conventional corn
OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
OL	Optimum® Leptra® VYHR (Vip,YGCB,HX,LL,RR2)
OT	Optimum® TRisect® CHR (HX,RW,LL,RR2)
PC	PowerCore™ (HX,VT2P)
QR	Qrome™
RR2	Roundup Ready® 2 Corn
RW	Agrisure® Rootworm
STX	SmartStax® (VT3PHXX)
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO®
YGCB	YieldGard® Corn Borer

Corn Seed Treatment Key

ABBREVIATION	DESCRIPTION
na	not available
AC	Acceleron®, unspecified
AC250,In	Acceleron® 250, Intego
AC250	Acceleron® 250
AC,P1	Acceleron® 1250
AC,P2	Acceleron® Poncho 250
PC,P2,B360	Acceleron® Poncho 250 with B-360 SAT
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,St,SU	Acceleron® 250, Stamina, StepUp
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® Poncho 500
AC,P5,B360	Acceleron® Poncho 500 with B-360 SAT
AC,P5,St,SU	Acceleron® Poncho 500, Stamina, StepUp
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-300	Acceleron® Poncho 500/Votivo with B-300 SAT
AC,P5V,B360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-B	Acceleron® Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron® Elite Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron® Poncho 500/Votivo, Stamina, StepUp
ACi	ACi Acceleron® Standard Insecticide-Fungicide
ACb	Acceleron® B-300 SAT
AVC	Avicta® Complete Corn
AVC,C1	Avicta® Complete 1250
AVC,C2	Avicta® Complete 250
AVC,C2,St,SU	Avicta® Complete 250, Stamina, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C2,Vi,St,SU	Avicta® Complete 250, Vibrance®, Stamina, StepUp
AVC,C5	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance®
BPS	Burrus PowerShield
C2	Cruiser® 250
CM,C1	CruiserMaxx® 1250
CM,C2	CruiserMaxx® 250

CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,St,SU	CruiserMaxx® 250, Stamina, StepUp
CM,C2,Vi	CruiserMaxx® 250 with Vibrance®
CM,C5	CruiserMaxx® 500
CM,C5,Vi	CruiserMaxx® 500 with Vibrance®
CM,MQ,C2	CruiserMaxx® Cruiser® 250, Maxim® Quattro
HC	Hefty Complete
Lum	LumiGEN™
Lum,P1V	LumiGEN Poncho 1250/Votivo
Lum,P5V	LumiGEN Poncho 500/Votivo
MQ	Maxim® Quattro
MQ,P1V	Maxim® Quattro, Poncho 1250/Votivo
MSC	Miller Hybrids ShieldCoat™, Vertex
P1	Poncho 1250
P1V	Poncho 1250/Votivo
P1V,Lu	Poncho 1250/Votivo, Lumisena™
P5	Poncho 500
P5V	Poncho 500/Votivo
SU,St	StepUpZn, Stamina
ZN	Winfield United Advanced Coating® Zn

Soybean Seed Technology Key

CODE	DESCRIPTION
E	Enlist (2,4-D, glyphosate)
E3	Enlist E3™ (2,4-D, glyphosate, LL)
G27	GT27 (glyphosate, isoxaflutole)
LG27	LibertyLink® GT27™
LL	LibertyLink®
LL,ST	LibertyLink®, sulfonyleurea tolerant
None	no trait, conventional
P	Plenish® (glyphosate, high oleic)
RR	glyphosate tolerant (formerly Roundup Ready)
RR,ST	glyphosate and sulfonyleurea tolerant
RR2Y	Roundup Ready 2 Yield®
RR2Y,ST	Roundup Ready 2 Yield®, sulfonyleurea tolerant
RRX	Roundup Ready 2 Xtend®
RRX,ST	Roundup Ready 2 Xtend®, sulfonyleurea tolerant

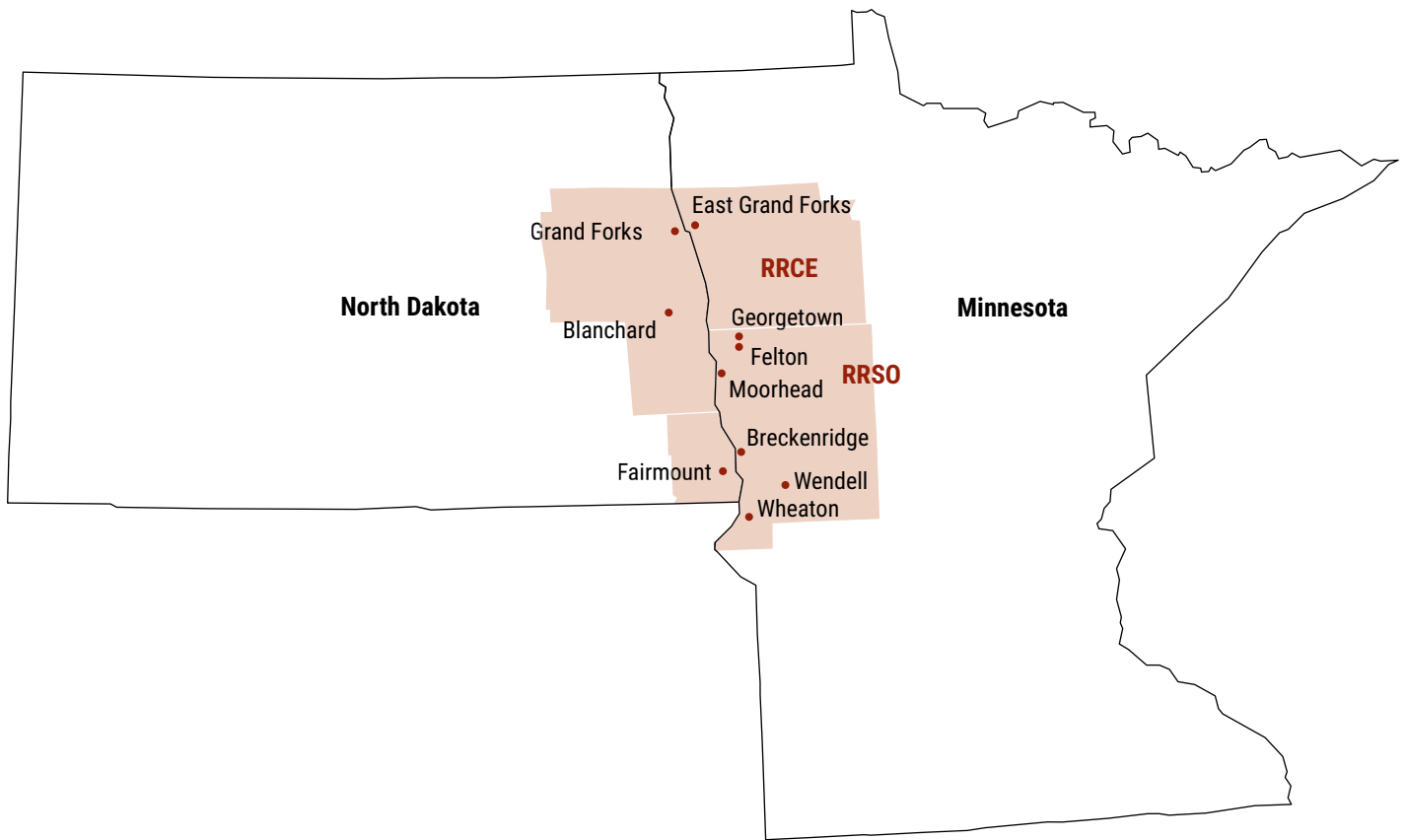
Soybean Seed Treatment Key

ABBREVIATION	DESCRIPTION
na	not available
A2020	Alert 2020 (Partners Brand Seed)
AC	Acceleron®, unspecified
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO™
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Salstro
ACi,SA,B-200	Acceleron® Standard fungicide + insecticide, Salstro, Acceleron® B-200 SAT (Dry Seed Finisher)
AM	ApronMaxx®
ASfi,IL	AgriShield F+I, ILeVO™, inoculant
BPS-SDS	Burrus PowerShield® SDS
CMB,EX	CruiserMaxx Beans®, Excalibre-SA™
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx®, Vibrance®, Salstro
DST	Dominance 2 ST
EQV,SA	Equity VIP, Salstro
EX	Excalibre-SA™ (ABM)
EeTC	Eclipse US Total Coverage Trio IM, N-Force
EeTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro
HCS	Hefty Complete Soybeans
IS,Ri	Intego Suite, Rizolex
Lum	LumiGEN™
Lum,IL	LumiGEN™ plus ILeVO™
Lum,Lu	LumiGEN, Lumisena™
Lum,Lu,IL	LumiGEN, Lumisena™, ILeVO™
PG+	Profit Guard +
PS	MAS Pro-Shield
PV,IL	Poncho®/Votivo®, ILeVO™
PV,IL,OB	Poncho®/Votivo®, ILeVO™, Obvius Plus
RP	Radius Premium (Local Seed Co)
SA	Salstro®
SA,A,R,G	Salstro®, Allegiance FL, Redigo 480, Gaucho 600
SS	SoyShield
SS+	SoyShield Plus
Treated	Treated, unspecified
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Salstro® (BCS Consulting)
Vim,NO	Vibrance Maxx, Nodulator Pro
W	Warden® CX
YPP	YP Pro™, QuickRoots
YPP,T	YP Pro™, Trilex®

Soybean Cyst Nematode (SCN) Resistance Rating

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

CORN REGIONS: RRCE, RRSO



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
Blanchard, ND	Paul Erickson	loam	conventional	soybean	150	20-May	19-Oct	33.6	140.9	192.4	1
East Grand Forks, MN	Matthew Krueger	silty clay loam	conventional	wheat	196	28-May	24-Oct	33.6	131.8	167.1	2
Georgetown, MN	Curtis Brendemuhl	silty clay	conventional	soybean	162	1-May	12-Oct	33.7	152.3	188.1	2
Grand Forks, ND	Matthew Krueger	silty clay loam	conventional	wheat	196	28-May	25-Oct	33.6	131.1	128.3	2
Moorhead, MN	Tim Brendemuhl	silty clay	conventional	corn	–	30-May	lost	–	–	187.1	2
								RRCE	157.9	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
Breckenridge, MN	Bruce Yaggie	loam	conventional	soybean	–	12-May	16-Oct	NR	NR	–	new site
Fairmount, ND	Tricia Rydell	loam	conventional	soybean	165	3-May	4-Nov	33.6	169.1	173.0	2
Felton, MN	Curtis Brendemuhl	loam	minimum	soybean	168	8-May	13-Oct	33.7	158.4	–	new site
Wendell, MN	Chad Biss	loam	conventional	soybean	–	3-May	4-Nov	33.7	–	182.3	2
Wheaton, MN	Chester Raguse	silt loam	conventional	soybean	120	2-May	15-Oct	33.6	144.1	186.8	6
								RRSO	183.8	7	

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2016–2020

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2020	2019	2018	2017	2016	Bu/A	#Years
RRCE	139.0	178.9	173.0	159.1		157.9	4
RRSO	164.8	167.7	191.1	214.9	209.4	183.8	7

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

EARLY-SEASON TEST 82-87 Day CRM | Top 30 of 51 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	Blanchard†	East Grand Forks	Georgetown	Grand Forks	Moorhead*
ROB-SEE-CO	RC3601	3011A	86	156.7	17.7	1	\$499	1	161.2	143.5	175.0	147.2	—
HEFTY	H3322VT2PRIB	VT2PB	83	153.6	16.3	0	\$492	2	151.6	155.5	152.4	154.8	—
RENK	RK256GTCBLLRW	3111	84	151.4	17.4	3	\$484	3	168.9	136.6	170.1	130.2	—
LATHAM	LH 3695 VT2P RIB	VT2PB	86	150.8	16.4	0	\$483	4	153.1	148.7	161.9	139.7	—
HEFTY	H3442VT2P	VT2P	84	150.8	16.2	0	\$483	5	129.5	158.9	157.8	157.1	—
NK BRAND	NK8005-3220A-EZR	3220A,B	80	150.8	18.0	0	\$479	7	153.4	158.3	149.0	142.6	—
HEFTY	H3712VT2PRIB	VT2PB	87	149.7	16.1	0	\$481	6	145.7	150.1	161.9	141.3	—
GOLDEN HARVEST	G84J92-3120A-EZR	3120A,B	86	149.5	19.3	1	\$471	12	138.6	146.2	173.2	140.0	—
DEKALB	DKC35-88RIB GC	VT2PB	85	149.2	17.0	0	\$476	8	153.4	153.2	153.4	136.9	—
NK BRAND	NK8519-3220-EZR	3220,B	85	148.9	16.8	0	\$476	9	148.9	152.5	156.2	137.9	—
INTEGRA	3431 VT2P	VT2P	84	147.5	16.6	0	\$472	10	138.2	154.1	150.7	147.0	—
INTEGRA	3629 VT2PRIB	VT2PB	86	146.5	15.8	0	\$471	11	148.2	145.3	152.1	140.5	—
ROB-SEE-CO	RC3240	GT	82	146.4	16.3	0	\$470	13	120.1	159.3	156.9	149.2	—
THUNDER	T6983 VT2P	VT2PB	83	146.2	16.1	0	\$469	14	125.6	149.6	159.8	149.8	—
NK BRAND	NK8618-3120A-EZR	3120A,B	86	145.1	19.3	2	\$457	23	147.8	130.8	168.2	133.7	—
THUNDER	T6987 VT2P	VT2PB	87	145.0	15.5	0	\$467	15	145.7	152.9	147.3	133.9	—
BIOGENE	BG510AT	3220A,B	81	144.6	17.2	0	\$462	18	144.8	138.9	152.0	142.9	—
RENK	RK278VT2P	VT2PB	87	144.4	15.8	0	\$465	17	132.4	151.8	151.1	142.4	—
BIOGENE	BG512V2	VT2PB	81	144.4	15.4	1	\$465	16	134.0	158.5	145.8	139.2	—
PROSEED	1984 VT2PRIB	VT2PB	84	144.0	16.6	0	\$461	20	123.7	150.3	157.5	144.7	—
DYNA-GRO	D27VC87	VT2P	87	143.9	16.3	0	\$461	19	141.6	150.2	148.7	135.2	—
STINE	9140-G	GT	82	143.5	16.6	0	\$460	21	150.3	135.5	151.8	136.2	—
LATHAM	LH 3325 VT2P RIB	VT2PB	83	143.2	16.5	0	\$458	22	137.3	144.0	146.9	144.7	—
ENESTVEDT	E850DP RIB	VT2PB	85	142.4	17.5	0	\$454	26	146.6	134.9	156.1	132.0	—
STINE	9202-G	3011A	86	142.3	17.4	1	\$454	27	123.3	140.5	161.0	144.5	—
REA	2B861	VT2PB	86	142.1	16.5	0	\$456	24	129.3	149.4	153.5	136.2	—
INTEGRA	3718 VT2PRIB	VT2PB	87	142.0	17.7	0	\$451	29	143.1	149.6	144.8	130.4	—
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	141.5	16.3	0	\$455	25	155.4	144.6	158.8	107.1	—
LATHAM	LH 3035 VT2P RIB	VT2PB	80	140.9	15.3	0	\$454	28	131.2	140.4	145.4	146.6	—
THUNDER	T6185 VT2P	VT2PB	85	140.0	16.4	0	\$448	30	135.7	150.5	139.4	134.4	—
DEKALB	DKC37-50RIB CK	VT2PB	87	138.1	16.0	0	\$443	33	126.5	146.7	141.6	137.5	—
Averages =				140.4			\$16	0	135.9	142.5	148.3	135.1	
LSD (0.10) =				8.5			\$1	1.1	15.3	7.9	8.3	7.3	

FULL-SEASON TEST 88-92 Day CRM Top 30 of 36 tested									Results in BOLD are significantly above test average.				
GOLDEN HARVEST	G91V51-3110A	3110A	91	150.5	20.8	0	\$469	1	158.9	128.4	189.2	125.6	—
ROB-SEE-CO	INNOTECH IC4166	3110A	91	148.5	20.7	0	\$463	3	161.0	119.8	178.3	135.0	—
REA	3B912	VT2PB	91	147.7	18.6	0	\$467	2	155.9	131.9	165.8	137.4	—
NK BRAND	NK8920-3120-EZR	3120,B	89	147.0	20.0	0	\$460	4	153.3	111.5	166.4	156.7	—
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	145.8	19.0	1	\$460	5	164.7	116.0	171.7	130.7	—
LATHAM	LH 3937 VT2P RIB	VT2PB	89	144.4	19.4	0	\$454	6	152.0	112.9	166.3	146.5	—
LATHAM	LH 4242 VT2P RIB	VT2PB	92	144.3	21.5	0	\$447	11	161.0	106.4	170.3	139.6	—
RENK	RK433VT2PRIB	VT2PB	92	144.1	20.9	0	\$448	9	141.6	143.7	155.9	135.2	—
NK BRAND	NK9175-3110A	3110A	91	143.9	21.0	0	\$448	10	151.7	124.7	174.2	125.0	—
LATHAM	LH 3827 VT2P RIB	VT2PB	88	142.7	19.5	0	\$448	8	156.4	125.3	156.4	133.0	—
DAIRYLAND	DS-3030AM	AM,B	90	142.0	18.4	0	\$450	7	155.7	119.4	156.3	136.7	—
ROB-SEE-CO	RC4016	3120,B	90	139.2	19.5	1	\$438	12	149.4	122.8	163.0	121.9	—
THUNDER	T6992 VT2P	VT2PB	92	138.8	19.2	0	\$437	14	154.1	117.0	153.6	130.6	—
NK BRAND	NK8920-5122-EZR	5122,B	89	138.6	19.1	2	\$437	15	159.1	110.6	162.7	121.9	—
REA	3B923	VT2PB	92	138.4	19.4	0	\$436	16	152.2	112.0	161.4	128.1	—
PROSEED	1790 VT2PRIB	VT2PB	90	137.8	18.2	0	\$438	13	160.2	118.3	170.1	102.9	—
GOLDEN HARVEST	G90Y04-5222A-EZR	5222A,B	92	137.2	20.7	0	\$428	24	150.9	115.9	166.4	115.8	—
PROSEED	2091 VT2PRIB	VT2PB	91	136.9	18.2	0	\$435	18	132.7	122.7	155.6	136.4	—
DAIRYLAND	DS-3162Q	QR,B	91	136.0	19.0	0	\$429	21	147.4	103.4	158.0	135.1	—
NK BRAND	NK9227-5222A-EZR	5222A,B	92	135.9	22.0	1	\$419	28	151.7	108.3	158.6	125.0	—
REA	3B903	VT2PB	90	135.5	16.6	2	\$434	19	146.8	125.6	157.1	112.6	—
DAIRYLAND	DS-3193AM	AM,B	91	135.2	18.5	1	\$429	23	156.3	89.5	171.9	123.1	—
RENK	RK315VT2P	VT2P	90	135.0	17.7	0	\$430	20	140.6	131.0	151.1	117.4	—
RENK	RK312VT2PRIB	VT2PB	90	134.9	18.1	0	\$429	22	147.1	111.6	162.8	118.4	—
INTEGRA	4119 VT2PRIB	VT2PB	91	133.7	18.8	0	\$422	25	157.6	102.3	152.4	122.6	—
HEFTY	H3622VT2PRIB	VT2PB	86	133.2	18.3	0	\$422	26	136.1	131.6	147.1	118.2	—
HEFTY	H4144SS	STX	91	132.1	18.4	1	\$419	29	131.9	116.6	150.6	129.2	—
THUNDER	T6190 VT2P	VT2PB	90	131.7	17.4	0	\$421	27	145.4	120.5	141.6	119.4	—
HEFTY	H4132VT2PRIB	VT2PB	91	131.4	18.3	0	\$417	30	133.3	125.9	149.6	116.9	—
INTEGRA	4041 VT2P	VT2P	90	131.1	18.1	0	\$417	31	140.1	118.8	148.8	116.8	—
DEKALB	DKC37-50RIB CK	VT2PB	87	135.8	16.5	0	\$436	17	141.2	112.7	143.5	145.9	—
Averages =				137.0			\$19	0	148.4	116.9	157.7	125.2	
LSD (0.10) =				8.9			\$1	0.9	12.7	9.5	8.6	10.3	

† 3 replications early-season test; * Moorhead: lost to poor emergence

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

EARLY-SEASON TEST 85-90 Day CRM Top 30 of 44 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	Breckenridge#	Fairmount	Felton	Wendell#	Wheaton#	
HEFTY	H3442VT2P	VT2P	84	185.0	14.3	0	\$601	1	145.6	200.0	159.2	195.8	129.7	
LATHAM	LH 3827 VT2P RIB	VT2PB	88	182.2	15.3	0	\$590	2	133.6	200.8	169.1	176.6	128.8	
TITAN PRO	82-90 2P	VT2PB	90	179.3	16.0	0	\$577	4	148.6	188.3	176.7	172.9	119.2	
REA	3B903	VT2PB	90	178.2	14.6	0	\$579	3	116.3	182.1	180.2	172.5	155.8	
PIONEER	P8989AM GC	AM,B	89	178.2	15.7	0	\$575	5	139.0	189.2	175.9	169.4	133.1	
HEFTY	H3712VT2PRIB	VT2PB	87	174.6	14.8	0	\$566	6	128.3	183.9	160.5	179.5	148.2	
PROSEED	1790 VT2PRIB	VT2PB	90	173.1	15.5	0	\$558	8	128.1	191.2	173.6	154.5	141.6	
THUNDER	T6085 VT2P	VT2PB	85	172.8	14.6	1	\$561	7	129.7	173.9	162.7	181.8	122.6	
DAHLMAN	R45-25VT2PRIB	VT2PB	90	172.0	15.3	0	\$557	9	149.7	177.4	164.0	174.4	135.2	
THUNDER	T6987 VT2P	VT2PB	87	169.2	14.3	0	\$549	10	118.5	182.3	154.3	171.1	132.7	
REA	2B851	VT2PB	85	168.3	14.5	0	\$546	11	120.7	187.3	142.5	175.0	140.2	
ROB-SEE-CO	RC3601	3011A	86	168.1	15.5	3	\$543	12	116.4	146.9	168.5	189.1	137.1	
LATHAM	LH 3695 VT2P RIB	VT2PB	86	167.0	14.7	1	\$542	13	125.6	169.7	162.7	168.6	149.3	
DAIRYLAND	DS-3030AM	AM,B	90	166.8	15.3	1	\$539	15	136.3	175.0	159.8	165.6	142.4	
RENK	RK278VT2P	VT2PB	87	166.7	14.7	0	\$541	14	121.6	176.0	162.3	161.8	150.4	
LATHAM	LH 3937 VT2P RIB	VT2PB	89	166.6	16.0	1	\$536	17	150.4	167.6	165.7	166.6	125.9	
INTEGRA	3629 VT2PRIB	VT2PB	86	166.0	14.2	0	\$539	16	107.4	173.4	164.4	160.2	145.3	
THUNDER	T6185 VT2P	VT2PB	85	164.3	14.1	0	\$534	18	119.3	181.5	151.6	159.9	122.2	
INTEGRA	3718 VT2PRIB	VT2PB	87	162.8	15.3	0	\$527	19	112.6	150.6	160.9	177.1	124.9	
DAHLMAN	R45-28VT2PRIB	VT2PB	90	161.9	15.7	1	\$522	21	124.6	160.4	154.3	171.1	143.7	
RENK	RK315VT2P	VT2P	90	161.8	15.4	0	\$522	22	127.1	156.5	160.6	168.3	133.8	
HEFTY	H3632VT2PRIB	VT2PB	86	161.1	14.3	0	\$523	20	103.6	183.2	148.1	152.0	118.6	
REA	2B861	VT2PB	86	158.4	14.5	1	\$514	23	103.4	161.9	165.1	148.2	130.8	
INTEGRA	4041 VT2P	VT2P	90	158.3	15.2	1	\$511	24	121.6	150.9	151.4	172.5	129.8	
THUNDER	T6190 VT2P	VT2PB	90	157.8	15.0	0	\$511	25	133.5	154.8	150.5	168.2	129.0	
HEFTY	H4032VT2PRIB	VT2PB	90	157.6	15.7	4	\$508	29	129.6	146.8	150.2	175.7	137.8	
NK BRAND	NK8519-5222-EZR	5222,B	85	157.3	15.3	4	\$509	27	92.8	167.5	143.6	161.0	138.2	
PROSEED	1787 VT2PRIB	VT2PB	87	156.8	14.3	0	\$509	28	129.1	155.4	152.8	162.2	135.5	
ENESTVEDT	E850DP RIB	VT2PB	85	153.3	15.1	0	\$496	30	129.1	149.8	157.6	152.4	136.1	
DAIRYLAND	DS-2505Q	QR	85	153.1	14.5	3	\$496	31	81.7	125.3	156.2	178.0	120.0	
DEKALB	DKC40-78RIB CK	VT2PB	90	157.6	14.7	0	\$511	26	103.6	149.6	152.0	171.2	113.3	
Averages =				160.1			\$15	3	114.0	155.1	157.7	167.4	131.6	
LSD (0.10) =				19.2			\$1	9.3	17.2	14.2	9.4	13.0	14.9	
FULL-SEASON TEST 91-95 Day CRM Top 30 of 47 tested										Results in BOLD are significantly above test average.				
RENK	RK561DGV2PRIB	VT2PDG,B	95	183.3	16.7	0	\$588	1	147.0	220.5	159.0	194.1	159.7	
LATHAM	LH 4242 VT2P RIB	VT2PB	92	181.2	17.1	0	\$580	2	137.3	210.5	157.3	186.5	170.4	
RENK	RK568VT2P	VT2PB	95	180.6	17.4	0	\$576	4	132.6	201.7	162.1	200.1	158.5	
RENK	RK433VT2PRIB	VT2PB	92	179.4	16.5	0	\$577	3	142.1	213.4	163.1	184.2	157.1	
ENESTVEDT	E612RR	RR2	92	179.3	16.7	1	\$575	5	157.8	208.3	164.3	184.8	159.9	
THUNDER	T6992 VT2P	VT2PB	92	178.1	15.8	1	\$573	7	133.9	198.3	168.6	196.1	149.6	
DYNA-GRO	D35VC35	VT2P	95	178.1	15.6	0	\$574	6	122.9	196.1	172.8	188.0	155.6	
THUNDER	T6094 VT2P	VT2PB	94	177.3	15.5	0	\$572	8	140.5	200.4	169.7	190.2	148.8	
ROB-SEE-CO	INNOTECH IC4166	3110A	91	176.6	16.9	0	\$565	10	117.4	209.1	159.3	185.6	152.5	
DAIRYLAND	DS-3550AM	AM,B	95	176.3	16.8	0	\$565	11	118.9	206.2	171.3	180.5	147.2	
PIONEER	P9211Q GC	QR,B	92	175.9	16.6	1	\$563	12	164.1	210.2	168.1	183.0	142.3	
LATHAM	LH 4375 VT2P RIB	VT2PB	93	175.6	15.0	1	\$568	9	136.5	198.7	168.3	188.1	147.3	
THUNDER	T6993 VT2P	VT2PB	93	174.6	16.8	0	\$559	14	147.7	197.9	158.2	184.1	158.3	
INTEGRA	4119 VT2PRIB	VT2PB	91	174.4	15.7	1	\$563	13	139.3	192.0	172.3	190.3	143.1	
INTEGRA	4509 VT2PRIB	VT2PB	95	174.4	17.8	2	\$554	16	136.1	193.5	161.1	189.9	153.1	
HEFTY	H4332VT2PRIB	VT2PB	93	173.9	16.0	3	\$559	15	129.9	177.1	164.3	199.7	154.8	
PROSEED	1794 VT2PRIB	VT2PB	94	171.6	16.6	1	\$550	17	106.3	175.4	157.7	197.2	156.1	
GOLDEN HARVEST	G96R61-5222-EZR	5222,B	96	171.5	17.2	0	\$546	20	138.2	202.4	161.4	197.7	124.5	
DAHLMAN	R48-28VT2PRIB	VT2PB	95	170.9	17.2	0	\$546	19	128.2	199.2	155.6	181.5	147.4	
GOLDEN HARVEST	G91V51-3110A	3110A	91	170.6	16.4	4	\$548	18	104.9	172.9	168.4	180.3	160.8	
LATHAM	LH 4454 VT2P RIB	VT2PB	94	169.7	16.9	0	\$543	21	139.6	200.8	156.9	189.0	132.0	
DYNA-GRO	D32VC41	VT2P	92	168.9	16.1	2	\$542	22	122.8	179.5	166.9	184.3	144.8	
NK BRAND	NK9653-5222-EZR	5222,B	96	168.3	16.9	0	\$538	25	130.7	194.9	157.0	177.0	144.5	
NK BRAND	NK9227-5222A-EZR	5222A,B	92	168.2	16.9	3	\$539	24	102.4	186.4	156.7	179.4	150.4	
DAIRYLAND	DS-3366Q	QR,B	93	168.1	16.2	4	\$539	23	133.1	158.3	167.6	193.8	152.7	
TITAN PRO	82-95 2P	VT2PB	95	167.6	16.3	0	\$538	27	136.0	202.5	161.5	174.1	132.2	
NK BRAND	NK9175-3110A	3110A	91	167.3	16.2	1	\$538	28	109.8	184.2	155.9	194.0	135.0	
THUNDER	T6595 VT2P	VT2PB	95	166.9	17.1	3	\$534	30	152.0	170.5	152.8	178.9	165.3	
DAIRYLAND	DS-3345AM	AM,B	93	166.3	15.8	3	\$535	29	141.9	168.6	159.9	196.5	140.2	
DAHLMAN	R47-26VT2PRIB	VT2PB	94	166.0	15.0	0	\$538	26	128.7	181.7	149.9	188.7	143.9	
DEKALB	DKC40-78RIB CK	VT2PB	90	161.9	14.7	0	\$523	37	111.7	162.9	152.1	200.0	132.7	
Averages =				168.1			\$16	2	124.5	182.8	159.0	186.7	144.1	
LSD (0.10) =				13.3			\$1	4.8	18.0	21.0	9.4	11.1	16.0	

3 replications early-season test; # early- and full-season test results rejected, not included in summary (Breckenridge), early-season test results rejected, not included in summary (Wheaton)

CORN PRODUCTS TESTED

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
BIOGENE O'Toole Seed www.otooleseed.com/ 8132 County Rd 12, Crystal, ND 58222 (701) 657-2127					
BG212V2	VT2PB	81	Y	AC,P5V,EDC-B	RRCEa
BG510AT	3220A,B	81	Y	CM,C2	RRCEa
BG520V2	VT2PB	82	Y	AC,P2	RRCEa
DAHLMAN Dahلمان Seed Company LLP www.dahlmansseed.com 73504 200th St, Dassel, MN 55325 (800) 289-7333					
R45-25VT2PRIB	VT2PB	90	Y	AC250	MNEC, RRSOa
R45-28VT2PRIB	VT2PB	90	Y	AC250	MNEC, RRSOa
R47-26VT2PRIB	VT2PB	94	Y	AC250	MNEC, MNWCa, RRSOb
R48-28VT2PRIB	VT2PB	95	Y	AC250	MNEC, MNWCa, RRSOb
DAIRYLAND Dairyland Seed Co., Inc. (Corteva Agriscience) www.dairylandseed.com PO Box 958, West Bend, WI 53095 (800) 236-0163					
DS-2350RR	RR2	83	N	Lum,P1V	RRCEa
DS-2505Q	QR	85	Y	Lum,P1V	RRCEa, RRSOa
DS-2716Q	QR,B	87	Y	Lum,P1V	RRCEa, RRSOa
DS-3030AM	AM,B	90	Y	Lum,P1V	RRCEb, RRSOa
DS-3162Q	QR,B	91	Y	Lum,P1V	MNEC, RRCEb, RRSOb, SDNEa
DS-3193AM	AM,B	91	Y	Lum,P1V	MNEC, RRCEb, RRSOb, SDNEa
DS-3345AM	AM,B	93	Y	Lum,P1V	MNEC, MNSOu, RRSOb, SDNEa
DS-3366Q	QR,B	93	Y	Lum,P1V	MNEC, MNSOu, RRSOb, SDNEa
DS-3550AM	AM	95	Y	Lum,P5V	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					
DKC35-88RIB GC	VT2PB	85	Y	na	RRCEa
DKC37-50RIB CK	VT2PB	87	Y	na	RRCEa, RRCEb
DKC40-78RIB CK	VT2PB	90	Y	na	RRSOa, RRSOb
DYNA-GRO Dyna-Gro Seed (Nutrien Ag Solutions) www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland, CO 80538 (970) 685-3300					
D26VC72	VT2P	86	N	AC,P5V,EDC-B	RRCEa
D27VC87	VT2P	87	N	AC,P5V,EDC-B	RRCEa
D32VC41	VT2P	92	N	AC,P5V,EDC-B	RRSOb
D35VC35	VT2P	95	N	AC,P5V,EDC-B	MNSOu, RRSOb, SDNEa
ENESTVEDT Enestvedt Seed Company www.enestvedtseeds.com 75802 County Rd 12, Sacred Heart, MN 56285 (320) 765-2728					
E612RR	RR2	92	N	CM,MQ,C2	MNEC, RRSOb
E850DP RIB	VT2PB	85	Y	AC,P2	RRCEa, RRSOa
GOLDEN HARVEST Golden Harvest Brand (Syngenta) www.goldenharvestseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 (800) 944-7333					
G84J92-3120A-EZR	3120A,B	86	Y	AVC,C2,Vi	MNEC, RRCEa, RRSOa
G85Z56-3220-EZR	3220,B	85	Y	AVC,C2,Vi	RRCEa, RRSOa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
G89A09-3120-EZR	3120,B	89	Y	AVC,C2,Vi	RRCEb, RRSOa
G90Y04-5222A-EZR	5222A,B	92	Y	AVC,C2,Vi	MNEC, RRCEb, SDNEa
G91V51-3110A	3110A	91	N	AVC,C2,Vi	MNEC, RRCEb, RRSOb, SDNEa
G96R61-5222-EZR	5222,B	96	Y	AVC,C2,Vi	MNEC, MNSOu, MNWCa, RRSOb, SDNEb, WICEa
HEFTY Hefty Seed Company www.heftyseed.com 47504 252nd St, Baltic, SD 57003 (866) 769-7200					
H3122VT2PRIB	VT2PB	81	Y	HC	RRCEa
H3322VT2PRIB	VT2PB	83	Y	HC	RRCEa
H3442VT2P	VT2P	84	N	HC	RRCEa, RRSOa
H3622VT2PRIB	VT2PB	86	Y	HC	RRCEb, RRSOa
H3632VT2P	VT2P	86	N	HC	RRCEa
H3632VT2PRIB	VT2PB	86	Y	HC	MNEC, RRSOa
H3712VT2PRIB	VT2PB	87	Y	HC	RRCEa, RRSOa
H3902VT2PRIB	VT2PB	89	Y	HC	RRCEb
H4032VT2PRIB	VT2PB	90	Y	HC	MNEC, RRCEb, RRSOa
H4102VT2PRIB	VT2PB	91	Y	HC	RRSOb, SDNEa
H4132VT2PRIB	VT2PB	91	Y	HC	MNEC, RRCEb, RRSOb, SDNEa
H4144SS	STX	91	N	HC	MNEC, RRCEb
H4322VT2PRIB	VT2PB	93	Y	HC	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
H4324SSRIB	STX,B	93	Y	HC	MNEC, MNSOu, RRSOb
H4332VT2PRIB	VT2PB	93	Y	HC	MNSOu, MNWCa, RRSOb, SDNEa, WICEa
INTEGRA Integra Fortified Seed (Wilbur-Ellis) www.integraseed.com 2219 229th, Place Ames, IA 50014 (515) 292-1300					
3282 VT2PRIB	VT2PB	82	Y	AC,P2V,St,SU	RRCEa
3431 VT2P	VT2P	84	N	AC,P5V,St,SU	RRCEa
3537 VT2PRIB	VT2PB	85	Y	AC,P2V,St,SU	RRCEa
3629 VT2PRIB	VT2PB	86	Y	AC,P5V,St,SU	RRCEa, RRSOa
3718 VT2PRIB	VT2PB	87	Y	AC,P2V,St,SU	RRCEa, RRSOa
3839 VT2PRIB	VT2PB	88	Y	AC,P2V,St,SU	RRCEb, RRSOa
4041 VT2P	VT2P	90	N	AC,P5V,St,SU	RRCEb, RRSOa, SDNEa
4119 VT2PRIB	VT2PB	91	Y	AC,P2V,St,SU	RRCEb, RRSOb, SDNEa
4311 VT2P	VT2P	93	N	AC,P5V,St,SU	MNWCa, RRSOb, SDNEa, WICEa
4509 VT2PRIB	VT2PB	95	Y	AC,P2V,St,SU	MNWCa, RRSOb, SDNEa, WICEa
LATHAM Latham Hi-Tech Seeds www.lathamseeds.com 131 180th St, Alexander, IA 50420 (877) 465-2842					
LH 2977 VT2P RIB	VT2PB	79	Y	AC250	RRCEa
LH 3035 VT2P RIB	VT2PB	80	Y	AC250	RRCEa
LH 3117 VT2P RIB	VT2PB	81	Y	AC250	RRCEa
LH 3325 VT2P RIB	VT2PB	83	Y	AC250	RRCEa
LH 3695 VT2P RIB	VT2PB	86	Y	AC250	MNEC, RRCEa, RRSOa
LH 3827 VT2P RIB	VT2PB	88	Y	AC250	MNEC, RRCEb, RRSOa
LH 3937 VT2P RIB	VT2PB	89	Y	AC250	MNEC, RRCEb, RRSOa
LH 4242 VT2P RIB	VT2PB	92	Y	AC250	RRCEb, RRSOb, SDNEa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
LH 4375 VT2P RIB	VT2PB	93	Y	AC250	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
LH 4454 VT2P RIB	VT2PB	94	Y	AC250	MNSOu, RRSOb, SDNEa, WICEa
LH 4517 VT2P RIB	VT2PB	95	Y	AC250	IANOu, MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa

NK BRAND | NK Brand (Syngenta)

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



NK8005-3220A-EZR	3220A,B	80	Y	AVC,C2,Vi	RRCEa
NK8519-3220-EZR	3220,B	85	Y	AVC,C2,Vi	RRCEa, RRSOa
NK8519-5222-EZR	5222,B	85	Y	AVC,C2,Vi	RRCEa, RRSOa
NK8618-3120A-EZR	3120A,B	86	Y	AVC,C2,Vi	MNEC, RRCEa, RRSOa
NK8920-3120-EZR	3120,B	89	Y	AVC,C2,Vi	RRCEb, RRSOa
NK8920-5122-EZR	5122,B	89	Y	AVC,C2,Vi	MNEC, RRCEb, RRSOa, SDNEa
NK9175-3110A	3110A	91	N	AVC,C2,Vi	MNEC, MNSOu, RRCEb, RRSOb, SDNEa
NK9227-5222A-EZR	5222A,B	92	Y	AVC,C2,Vi	MNEC, MNSOu, RRCEb, RRSOb, SDNEa
NK9535-3220-EZR	3220,B	95	Y	AVC,C2,Vi	RRSOB
NK9653-5222-EZR	5222,B	96	Y	AVC,C5,Vi	IANOu, MNEC, MNSOu, MNWCa, RRSOb, SDNEb, WICEa

PIONEER | DuPont Pioneer (Corteva Agriscience)

www.pioneer.com
PO Box 454, Johnston, IA 50131 | (800) 247-6803



P8989AM GC	AM,B	89	Y	na	RRSOa
P9188AMXT GC	AMXT	91	N	na	MNEC, RRSOb, SDNEa
P9211Q GC	QR,B	92	Y	na	RRSOB

PROSEED | Proseed, Inc.

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



1787 VT2PRIB	VT2PB	87	Y	na	RRCEa, RRSOa
1790 VT2PRIB	VT2PB	90	Y	na	RRCEb, RRSOa
1794 VT2PRIB	VT2PB	94	Y	na	RRSOB
1882 VT2PRIB	VT2PB	82	Y	na	RRCEa
1984 VT2PRIB	VT2PB	84	Y	na	RRCEa
2091 VT2PRIB	VT2PB	91	Y	na	RRCEb, RRSOb

REA | REA Hybrids (Bayer CropScience)

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



1B821	VT2PB	82	Y	AC,P5,B360	RRCEa
2B851	VT2PB	85	Y	AC,P5,B360	RRCEa, RRSOa
2B861	VT2PB	86	Y	AC,P2,B360	RRCEa, RRSOa
3B903	VT2PB	90	Y	AC,P5,B360	RRCEb, RRSOa
3B912	VT2PB	91	Y	AC,P5,B360	RRCEb, SDNEa
3B923	VT2PB	92	Y	AC,P2,B360	RRCEb, 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
RK256GTCLLRW	3111	84	N	CM,C2	RRCEa

Product/Brand	Technology	Maturity	RIB	STrt	Region(s) Tested
RK278VT2P	VT2PB	87	Y	AC,P2	RRCEa, RRSOa
RK312VT2PRIB	VT2PB	90	Y	AC,P2	RRCEb, RRSOa
RK315VT2P	VT2P	90	N	AC,P2	RRCEb, RRSOa
RK433VT2PRIB	VT2PB	92	Y	AC,P2	MNEC, RRCEb, RRSOb, SDNEa
RK499VT2P	VT2P	94	N	AC,P2	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
RK561DGV22PRIB	VT2PDG,B	95	Y	AC,P2	IANOu, MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa
RK568VT2P	VT2PB	95	Y	AC,P2	MNEC, MNSOu, MNWCa, RRSOb, SDNEa

ROB-SEE-CO | Rob See Co

www.robseeco.com
PO Box 129, Waterloo, NE 68069 |



INNOTECH IC4166	3110A	91	N	AVC,C2	RRCEb, RRSOb, SDNEa
RC3041	3110A	80	N	AVC,C2	RRCEa
RC3240	GT	82	N	CM,C2	RRCEa
RC3601	3011A	86	N	CM,C2	RRCEa, RRSOa
RC4016	3120,B	90	Y	CM,C2	RRCEb, RRSOa
RC4343	3220A,B	93	Y	CM,C2	RRSOB, SDNEa
RC4427	3220,B	94	Y	CM,C2	RRSOB, SDNEa
RC4535	3110	95	N	CM,C2	RRSOB, SDNEa

STINE | Stine Seed Company

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



9140-G	GT	82	N	AC	RRCEa
9202-G	3011A	86	N	AC	RRCEa

THUNDER | Thunder Seed, Inc.

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



T6085 VT2P	VT2PB	85	Y	AC,P2	RRCEa, RRSOa
T6094 VT2P	VT2PB	94	Y	AC,P2	MNEC, MNWCa, RRSOb, SDNEa, WICEa
T6185 VT2P	VT2PB	85	Y	AC,P2	RRCEa, RRSOa
T6190 VT2P	VT2PB	90	Y	AC,P2	MNEC, RRCEb, RRSOa
T6595 VT2P	VT2PB	95	Y	AC,P2	MNEC, MNWCa, RRSOb, SDNEa, WICEa
T6782 VT2P	VT2PB	82	Y	AC,P2	RRCEa
T6791 VT2P	VT2PB	91	Y	AC,P2	MNEC, RRCEb, RRSOb, SDNEa
T6888 VT2P	VT2PB	88	Y	AC,P2	RRCEb, RRSOa
T6983 VT2P	VT2PB	83	Y	AC,P2	RRCEa
T6987 VT2P	VT2PB	87	Y	AC,P2	RRCEa, RRSOa
T6992 VT2P	VT2PB	92	Y	AC,P2	MNEC, RRCEb, RRSOb, SDNEa
T6993 VT2P	VT2PB	93	Y	AC,P2	MNEC, MNWCa, RRSOb, SDNEa, WICEa

TITAN PRO | Titan Pro SCI, Inc.

www.titanprosci.com
1301 S 24th St, Clear Lake, IA 50428 | (641) 357-7283



82-90 2P	VT2PB	90	Y	AC250	MNEC, RRSOa
82-95 2P	VT2PB	95	Y	AC250	MNEC, MNSOu, MNWCa, RRSOb, SDNEa, WICEa

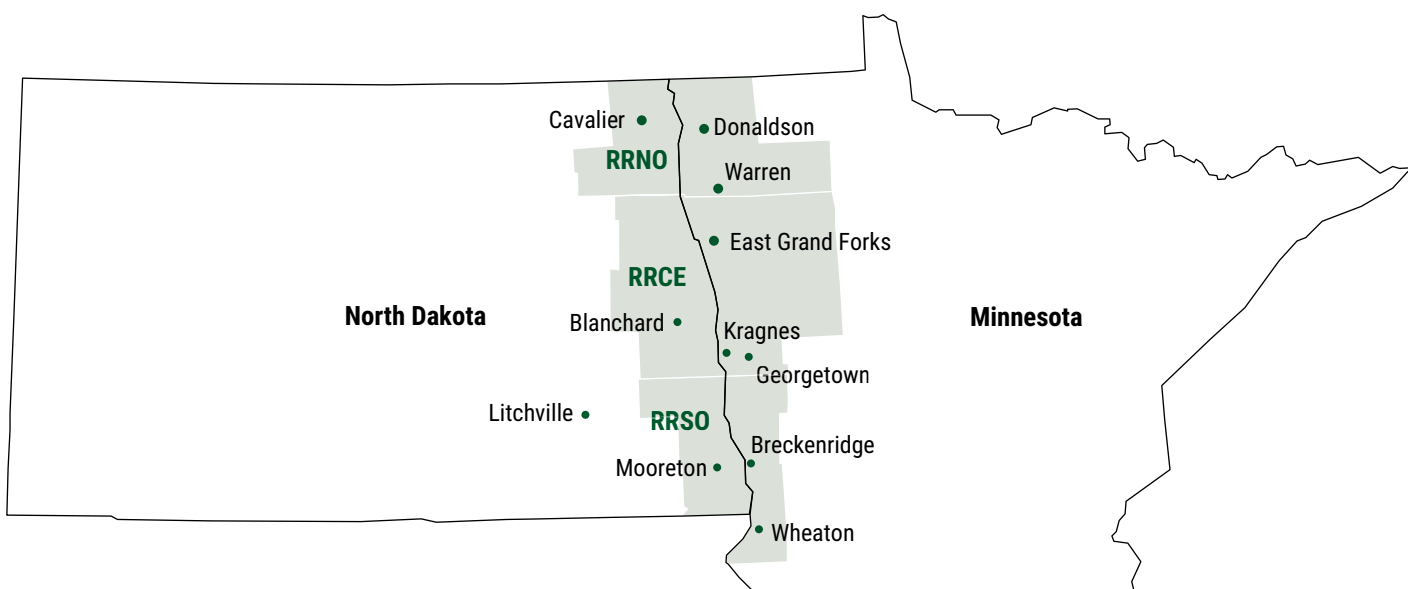


Some See Fields, We See Data

2020 Corn & Soybean Performance Summaries



SOYBEAN REGIONS: RRNO, RRCE, RRSO



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
Cavalier, ND	Kent Schluchter	silty clay	no-till	wheat	NULL	22-May	06-Oct	130.1	43.7	34.3	2
Donaldson, MN	Jackson Klein	clay	conventional	sugarbeet	NULL	23-May	07-Oct	NR	NR	–	new site
East Grand Forks, MN	Matthew Krueger	silty clay loam	conventional	wheat	NULL	29-May	08-Oct	130.4	41.0	38.9	3
Warren, MN	Nathan Potechek	sandy loam	conventional	wheat	NULL	31-May	07-Oct	130.3	27.8	31.3	2
								RRNO	37.8	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
Blanchard, ND	Paul Erickson	loam	conventional	soybean	NULL	–	–	lost	lost	–	new site
East Grand Forks, MN	Matthew Krueger	silty clay loam	conventional	wheat	NULL	29-May	08-Oct	129.4	38.0	38.9	3
Georgetown, MN	Curtis Brendemuhl	silty clay	minimum	corn	NULL	31-May	02-Oct	126.7	24.6	42.9	2
Kragnes, MN	Curtis Brendemuhl	silty clay	conventional	wheat	NULL	21-May	02-Oct	130.1	38.7	34.6	1
								RRCE	39.9	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
Breckenridge, MN	Bruce Yaggie	loam	conventional	corn	NULL	18-May	09-Oct	NR	NR	–	new site
Litchville, ND	Mark Formo	loam	conventional	wheat	NULL	28-May	10-Oct	128.6	41.0	41.7	5
Mooreton, ND	Tim Fenske	silt loam	conventional	corn	NULL	21-May	09-Oct	128.8	41.1	–	new site
Wheaton, MN	Chester Raguse	loam	conventional	corn	NULL	–	–	lost	lost	40.6	4
								RRSO	42.8	7	

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2016–2020

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2020	2019	2018	2017	2016	Bu/A	#Years
RRNO	37.5	33.8	36.9	35.9	48.1	37.8	5
RRCE	33.8	36.5	46.3	43.7	44.6	39.9	7
RRSO	41.1	38.2	47.6	41.4	53.6	42.8	7

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

ALL-SEASON TEST | MATURITY GROUP 0.4-0.7 | Top 30 of 58 tested Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Cavalier	Donaldson*	East Grand Forks	Warren
THUNDER	SB87009	RRX	0.1	42.9	9.7	0	\$405	48.0	8.8	46.0	34.7
GOLDEN HARVEST	GH0325E3 U	E3	0.3	41.7	10.0	0	\$394	49.0	12.2	43.8	32.4
THUNDER	TE7003N	E3	0.3	41.6	10.0	0	\$392	47.6	11.7	45.1	32.1
ASGROW	AG008X1 U	RRX	0.1	41.2	9.8	0	\$388	44.6	6.8	47.2	31.6
NK BRAND	S03-E3	E3	0.3	41.0	10.1	0	\$387	48.0	14.7	45.8	29.3
LATHAM	L 0293 E3	E3	0.2	40.7	10.2	0	\$384	47.4	5.7	44.0	30.8
PROSEED	EL90-33N	E3	0.3	40.6	10.0	0	\$383	48.3	10.4	42.6	30.9
STINE	03EB02 U	E3	0.3	40.4	10.3	0	\$381	49.2	10.3	40.9	31.2
APEX	AE0300	E3	0.3	40.3	10.3	0	\$379	46.6	6.6	43.9	30.2
GENESIS	G0340E	E3	0.3	40.1	10.0	0	\$378	47.5	8.5	42.4	30.3
LOYAL	L0320E	E3	0.3	40.1	10.1	0	\$378	46.1	5.7	42.5	31.6
ASGROW	AG02X8 U	RRX	0.2	40.1	9.9	0	\$378	46.9	8.9	41.2	32.0
THUNDER	ASTRO	RR2Y	0.1	39.8	10.4	0	\$376	46.6	8.6	42.5	30.4
STINE	01EA63 U	E3	0.1	39.7	10.0	1	\$375	47.4	10.4	41.0	30.7
DYNA-GRO	S04XT91	RRX	0.4	39.7	10.8	0	\$374	45.0	13.0	41.5	32.5
ZINESTO	Z0200E	E3	0.2	39.6	10.4	0	\$374	46.3	16.4	41.9	30.6
THUNDER	SB8104N	RRX	0.4	39.6	10.6	0	\$373	43.7	11.5	42.4	32.5
DAHLMAN	6903XN	RRX	0.3	39.5	9.6	0	\$373	46.5	12.3	41.8	30.3
DYNA-GRO	S009XT68	RRX	0.1	39.3	9.6	0	\$371	40.4	7.1	44.7	32.9
LATHAM	L 0225 E3	E3	0.2	39.3	9.9	0	\$371	46.2	14.3	43.0	28.7
HEFTY	H01X0	RRX	0.1	39.0	9.7	0	\$368	48.1	12.1	41.0	27.8
LATHAM	L 0124 R2X	RRX	0.1	38.6	9.5	0	\$364	41.7	6.0	40.8	33.4
NK BRAND	S02-E3	E3	0.2	38.3	9.8	0	\$361	43.6	11.8	42.2	29.0
NORTHSTAR	NS 90334E3	E3	0.3	38.1	9.7	1	\$360	44.3	4.3	41.6	28.6
THUNDER	TE71008N	E3	0.1	38.1	9.7	0	\$359	46.7	5.6	40.5	27.1
NORTHSTAR	NS 90094E3	E3	0.1	38.1	11.2	0	\$359	45.2	5.8	42.0	27.1
DAHLMAN	6004XN	RRX	0.4	38.1	10.8	0	\$359	41.8	8.3	40.5	31.9
NORTHSTAR	NS 60264NXR2	RRX	0.2	37.9	9.6	1	\$358	42.6	6.0	42.5	28.6
DYNA-GRO	S03XT29	RRX	0.3	37.9	9.6	1	\$357	43.7	10.5	43.2	26.7
PROSEED	EL 80-093	E3	0.1	37.8	9.7	0	\$357	43.8	5.1	43.1	26.6
Averages =				37.5	10.3	0	\$354	43.7	9.3	41.0	27.9
LSD (0.10) =				3.5	1.0	0.9		3.6	4.2	2.3	4.2

* all-season test results rejected, not included in summary, rejected due to water damage and variability

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

ALL-SEASON TEST | MATURITY GROUP 0.2-0.9 | Top 30 of 63 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Blanchard*	East Grand Forks	Georgetown	Kragnes
GENESIS	G0380GL	LLGT27	0.3	40.3	10.8	0	\$380	—	43.1	34.4	43.5
LATHAM	L 0982 R2	RR2Y	0.9	38.9	12.6	0	\$366	—	40.3	34.3	42.0
LATHAM	L 0852 LLGT27	LLGT27	0.8	37.9	12.1	0	\$356	—	38.5	31.8	43.3
THUNDER	SB8805N	RRX	0.5	37.8	10.2	0	\$356	—	39.3	31.9	42.0
ASGROW	AG05X9 U	RRX	0.5	37.4	10.4	0	\$353	—	41.2	31.9	39.2
LATHAM	E 0624 LLGT27	LLGT27	0.6	37.1	12.4	0	\$350	—	39.3	29.8	42.3
ASGROW	AG02X8 U	RRX	0.2	36.8	10.2	0	\$347	—	41.9	26.1	42.5
STINE	03EB02 U	E3	0.3	36.6	10.3	0	\$345	—	42.4	24.5	42.9
CREDENZ	CZ 0309GTLL	LLGT27	0.3	36.4	10.0	0	\$343	—	38.6	33.0	37.5
CREDENZ	CZ 0590GTLL	LLGT27	0.5	36.2	10.8	0	\$342	—	35.9	33.9	39.0
THUNDER	SB8807N	RRX	0.7	36.1	10.7	0	\$341	—	38.3	30.9	39.2
THUNDER	TE7005N	E3	0.5	36.1	11.0	0	\$340	—	39.5	24.5	44.3
THUNDER	TE7003N	E3	0.3	35.9	10.4	0	\$339	—	43.7	24.1	40.0
THUNDER	SB8104N	RRX	0.4	35.9	10.8	0	\$339	—	42.8	22.4	42.5
LATHAM	L 0739 R2X	RRX	0.7	35.8	10.7	0	\$338	—	40.7	25.5	41.2
THUNDER	SB8903N	RRX	0.3	35.8	10.3	0	\$337	—	41.8	27.5	38.1
LATHAM	L 0595 E3	E3	0.5	35.6	10.6	0	\$335	—	39.1	26.1	41.5
ZINESTO	Z0501E	E3	0.5	35.5	10.7	0	\$335	—	38.5	25.6	42.4
GOLDEN HARVEST	GH0443X	RRX	0.4	35.0	10.4	0	\$331	—	38.7	25.2	41.2
GENESIS	G0850E	E3	0.8	35.0	12.7	0	\$329	—	34.4	30.5	40.1
NK BRAND	S05-E3	E3	0.5	35.0	10.7	0	\$330	—	39.1	21.4	44.5
CREDENZ	CZ 0729GTLL	LLGT27	0.7	34.9	12.2	0	\$328	—	36.2	28.4	39.9
LOYAL	L0320E	E3	0.3	34.8	10.2	0	\$329	—	42.4	21.3	40.8
PROSEED	XT80-20N	RRX	0.2	34.8	10.3	0	\$328	—	39.1	25.2	40.0
APEX	AE0810	E3	0.8	34.7	11.7	0	\$327	—	34.5	30.3	39.4
NK BRAND	S05-2E3 U	E3	0.5	34.7	10.3	0	\$327	—	36.3	26.7	41.1
HEFTY	H04E8	E3	0.4	34.6	10.1	0	\$326	—	39.3	26.7	37.6
LATHAM	L 0883 R2X	RRX	0.8	34.5	13.3	0	\$324	—	38.7	26.2	38.5
THUNDER	SB8906N	RRX	0.6	34.4	10.7	0	\$324	—	38.6	25.1	39.4
GOLDEN HARVEST	GH0715E3 U	E3	0.7	34.3	10.6	0	\$324	—	38.3	27.2	37.5
Averages =				33.8	11.2	0	\$318		38.0	24.7	38.7
LSD (0.10) =				3.4	1.1	ns			1.9	6.8	2.8

* lost to heavy rain/washout

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

EARLY-SEASON TEST | MATURITY GROUP 0.6–0.9 | Top 30 of 45 tested Results in **BOLD** are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Breckinridge#	Litchville	Mooreton	Wheaton*
GENESIS	G0690GL	LLGT27	0.6	46.8	10.9	0	\$441	24.4	46.6	46.9	—
NK BRAND	S09-D4X	RRX	0.9	46.7	10.6	2	\$441	15.1	45.5	47.9	—
LATHAM	L 0739 R2X	RRX	0.7	46.2	9.9	2	\$436	13.8	45.8	46.7	—
NK BRAND	S10-E3	E3	1.0	46.0	10.3	4	\$434	5.2	45.9	46.0	—
THUNDER	SB8807N	RRX	0.7	45.3	10.0	0	\$428	18.7	44.7	45.9	—
RENK	RS100NX	RRX	1.0	44.7	10.2	7	\$422	20.2	47.0	42.5	—
HEFTY	H10X0	RRX	1.0	44.6	9.9	0	\$421	8.3	47.0	42.2	—
CREDENZ	CZ 0729GTLL	LLGT27	0.7	44.3	10.1	12	\$419	18.9	38.7	50.0	—
ZINESTO	Z0601E	E3	0.6	44.2	9.9	0	\$417	9.9	45.4	43.0	—
THUNDER	SB8010N	RRX	1.0	43.7	10.5	0	\$413	12.4	48.0	39.5	—
ASGROW	AG08X0 U	RRX	0.8	43.2	10.1	1	\$407	13.4	41.3	45.1	—
ZINESTO	Z1001E	E3	1.0	43.0	10.5	8	\$406	10.7	42.7	43.3	—
THUNDER	TE7110N	E3	1.0	42.6	10.2	8	\$402	19.2	41.9	43.4	—
APEX	AE0810	E3	0.8	42.6	10.3	6	\$402	17.3	43.9	41.2	—
LATHAM	L 1094 E3	E3	1.0	42.4	10.3	4	\$401	12.7	47.3	37.6	—
HEFTY	H09X1	RRX	0.9	42.3	10.0	1	\$400	17.6	41.1	43.6	—
HEFTY	H09X0	RRX	0.9	41.9	10.2	4	\$396	13.7	44.6	39.2	—
GENESIS	G0850E	E3	0.8	41.8	10.3	10	\$394	26.6	40.4	43.1	—
NK BRAND	S07-Q4X U	RRX	0.7	41.6	9.8	3	\$393	7.2	40.7	42.6	—
HEFTY	H07X0	RRX	0.7	41.5	10.3	6	\$392	32.4	40.5	42.5	—
TITAN PRO	10E0	E3	1.0	41.4	10.3	1	\$391	8.1	44.1	38.7	—
STINE	06EC23 U	E3	0.6	41.3	9.9	6	\$390	9.6	40.1	42.6	—
STINE	09EA02 U	E3	0.9	41.3	10.3	16	\$390	15.2	38.6	44.0	—
STINE	10EC20 U	E3	1.0	41.2	10.1	0	\$389	15.5	40.4	42.1	—
GOLDEN HARVEST	GH1012E3 U	E3	1.0	41.2	10.1	0	\$389	15.4	47.7	34.7	—
DYNA-GRO	S10XT71	RRX	1.0	41.2	10.3	1	\$388	21.7	43.8	38.5	—
DYNA-GRO	S09EN41	E3	0.9	41.1	10.3	12	\$388	12.4	41.9	40.4	—
LATHAM	L 0785 E3	E3	0.7	41.1	9.8	27	\$388	29.9	36.6	45.6	—
PROSEED	EL21-03	E3	1.0	41.0	10.2	4	\$386	16.3	43.4	38.5	—
THUNDER	SB8009N	RRX	0.9	40.9	10.3	6	\$385	15.7	40.0	41.7	—
PIONEER	P11A44X CK	RRX	1.1	44.1	10.4	0	\$416	13.8	44.1	44.0	—
Averages =				41.7	10.1	7	\$393	16.1	42.0	41.4	
LSD (0.10) =				4.7	0.4	12.4		8.6	3.3	5.5	

FULL-SEASON TEST | MATURITY GROUP 1.0–1.4 | Top 30 of 33 tested Results in **BOLD** are significantly above test average.


ASGROW	AG11X8 U	RRX	1.1	46.6	10.2	0	\$440	22.3	46.2	47.0	—
CREDENZ	CZ 1139GTLL	LLGT27	1.1	46.0	10.9	0	\$434	12.5	47.3	44.7	—
ASGROW	AG14X8 U	RRX	1.4	45.5	10.9	8	\$430	19.6	45.5	45.6	—
NK BRAND	S12-R3	RR2Y	1.2	44.3	10.4	1	\$418	11.2	44.9	43.7	—
ZINESTO	Z1101E	E3	1.1	43.4	10.3	14	\$410	23.0	40.7	46.2	—
HEFTY	H14X1	RRX	1.4	43.3	11.0	2	\$409	18.1	44.4	42.3	—
GENESIS	G1250ES	E3	1.2	42.9	10.1	8	\$405	16.2	40.1	45.8	—
TITAN PRO	13GLO	LLGT27	1.3	42.9	12.1	0	\$405	18.0	44.8	41.0	—
ZINESTO	Z1301G	LLGT27	1.3	41.8	11.8	0	\$393	17.2	45.3	38.2	—
GOLDEN HARVEST	GH1225X	RRX	1.2	41.7	10.2	6	\$394	17.9	44.2	39.2	—
APEX	AE1210S	E3	1.2	41.5	9.9	10	\$391	20.6	37.1	45.8	—
CREDENZ	CZ 1331GTLL	LLGT27	1.3	41.4	12.3	0	\$390	20.7	45.1	37.7	—
NK BRAND	S12-T2X	RRX	1.2	41.1	10.2	0	\$388	8.4	42.6	39.7	—
CREDENZ	CZ 1280GTLL	LLGT27	1.2	41.1	10.1	0	\$388	19.4	44.0	38.2	—
PROSEED	EL21-23	E3	1.2	41.0	10.2	23	\$387	22.3	38.9	43.2	—
LATHAM	L 1429 LLGT27	LLGT27	1.4	40.4	10.1	10	\$381	9.4	38.1	42.6	—
THUNDER	TE7011N	E3	1.1	40.2	9.8	3	\$380	20.6	36.9	43.6	—
NK BRAND	S14-U9X	RRX	1.4	40.1	10.4	0	\$378	22.6	42.3	37.9	—
DYNA-GRO	S11EN40	E3	1.1	39.9	9.9	11	\$376	25.0	36.5	43.3	—
LATHAM	L 1392 E3	E3	1.3	39.6	10.4	9	\$374	16.9	40.6	38.7	—
THUNDER	SB8012N	RRX	1.2	39.5	9.7	14	\$373	13.8	37.3	41.8	—
LATHAM	L 1192 E3	E3	1.1	38.7	10.0	3	\$365	24.6	37.0	40.4	—
TITAN PRO	13E9	E3	1.3	38.0	10.0	24	\$359	12.8	35.7	40.3	—
GENESIS	G1340E	E3	1.3	38.0	10.1	15	\$358	11.4	37.8	38.1	—
LOYAL	L1320E	E3	1.3	37.2	10.1	8	\$351	19.6	36.6	37.7	—
DYNA-GRO	S14EN90	E3	1.4	37.2	11.0	16	\$350	16.8	36.2	38.1	—
ZINESTO	Z1401E	E3	1.4	36.5	9.8	8	\$344	16.3	33.4	39.6	—
THUNDER	TE7013N	E3	1.3	36.2	10.3	22	\$342	10.0	33.8	38.6	—
NK BRAND	S13-E3 U	E3	1.3	35.1	10.0	24	\$332	24.7	34.6	35.7	—
APEX	AE1300	E3	1.3	34.7	10.8	36	\$327	9.6	38.2	31.2	—
PIONEER	P11A44X CK	RRX	1.1	45.4	10.1	0	\$428	16.2	45.6	45.2	—
Averages =				40.2	10.4	10	\$379	17.4	39.6	40.8	
LSD (0.10) =				4.9	0.8	15.6		9.7	4.3	4.6	

* lost to hail damage; # early- and full-season test results rejected, not included in summary, rejected due to damage and variability


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					
					

AE0300	E3	0.3	R	CMBV,SA	RRNO
AE0710	E3	0.7	R	CMBV,SA	RRCE, RRSOa
AE0810	E3	0.8	R	CMBV,SA	MNNCa, RRCE, RRSOa
AE1010	E3	1.0	R	CMBV,SA	MNNCb, RRSOa, SDNE
AE1210S	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNE
AE1300	E3	1.3	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNE

ASGROW Asgrow Brand (Bayer CropScience)					
www.asgrow.com 800 N Lindbergh Blvd, St. Louis, MO 63167 (314) 694-1000					
					

AG007X0 §	RRX	00.7	R	na	RRNO
AG008X1 §	RRX	00.8	R	na	RRNO
AG02X8 §	RRX	0.2	S	na	RRCE, RRNO
AG05X9 §	RRX	0.5	R	na	RRCE
AG08X0 §	RRX	0.8	R	na	MNNCa, RRCE, RRSOa
AG11X8 §	RRX	1.1	R	na	MNNCb, RRSOb, SDNE
AG14X8 §	RRX	1.4	R	na	MNNCb, RRSOb, SDNE

CREDENZ BASF					
www.agriculture.basf.com/us/en.html 26 Davis Dr, Research Triangle Park, NC 27709 (919) 547-2000					
					


CZ 0309GTLL	LLGT27	0.3	MR	PV,IL,OB	RRCE, RRNO
CZ 0419GTLL	LLGT27	0.4	MR	PV,IL,OB	MNNCa, RRCE, RRNO
CZ 0590GTLL	LLGT27	0.5	R	PV,IL,OB	RRCE, RRNO
CZ 0661GTLL	LLGT27	0.6	R	PV,IL,OB	RRCE
CZ 0729GTLL	LLGT27	0.7	MR	PV,IL,OB	MNNCa, RRCE, RRSOa
CZ 1139GTLL	LLGT27	1.1	MR	PV,IL,OB	MNNCb, RRSOb
CZ 1280GTLL	LLGT27	1.2	MR	PV,IL,OB	RRSOB
CZ 1331GTLL	LLGT27	1.3	R	PV,IL,OB	RRSOB
CZ 1470GTLL	LLGT27	1.4	MR	PV,IL,OB	RRSOB

DAHLMAN Dahلمان Seed Company LLP					
www.dahmanseed.com 73504 200th St, Dassel, MN 55325 (800) 289-7333					
					

1102E3N	E3	0.2	R	IS	RRNO
6004XN	RRX	0.4	MR	Untreated	RRNO
6903XN	RRX	0.3	R	Untreated	RRNO

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
S03XT29	RRX	0.3	R	EQV,SA	RRNO
S04XT91	RRX	0.4	MR	EQV,SA	RRNO
S07EN61	E3	0.7	R	EQV,SA	RRCE
S07XT28	RRX	0.7	R	EQV,SA	RRCE
S09EN41	E3	0.9	R	EQV,SA	RRSOa
S09XT50	RRX	0.9	R	EQV,SA	RRCE
S10XT71	RRX	1.0	R	EQV,SA	MNNCb, RRSOa
S11EN40	E3	1.1	R	EQV,SA	MNNCb, RRSOb, SDNE
S14EN90	E3	1.4	R	EQV,SA	MNCEa, MNNCb, RRSOb


GENESIS M.S. Technologies, L.L.C.					
www.mstechseed.com/ 103 Avenue D, West Point, IA 52656 (800) 362-2510					
					

G0340E	E3	0.3	R	CMBV,SA	RRNO
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Product/Brand	Technology	Maturity	SCN	Strt	Region(s) Tested
G0380GL	LLGT27	0.3	R	EcTC	RRCE
G0690GL	LLGT27	0.6	R	EcTC	RRCE, RRSOa
G0750E	E3	0.7	R	CMBV,SA	RRCE, RRSOa
G0850E	E3	0.8	R	CMBV,SA	MNNCa, RRCE, RRSOa
G1050E	E3	1.0	R	CMBV,SA	MNNCb, RRSOa, SDNE
G1250ES	E3	1.2	R	CMBV,SA	MNNCb, RRSOb, SDNE
G1340E	E3	1.3	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNE

GOLDEN HARVEST Golden Harvest Brand (Syngenta)					
www.goldenharvestseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 (800) 944-7333					
					

GH00833E3	E3	0.1	MR	CMBV,SA	RRNO
GH0145X	RRX	0.1	S	CMBV,SA	RRNO
GH0325E3 §	E3	0.3	MR	CMBV,SA	RRNO
GH0443X	RRX	0.4	MR	CMBV,SA	RRCE, RRNO
GH0715E3 §	E3	0.7	R	CMBV,SA	RRCE
GH0749X	RRX	0.7	MR	CMBV,SA	MNNCa, RRCE, RRSOa
GH1012E3 §	E3	1.0	R	CMBV,SA	MNNCb, RRSOa
GH1225X	RRX	1.2	R	CMBV,SA	MNNCb, RRSOb






HEFTY Hefty Seed Company					
www.heftyseed.com 47504 252nd St, Baltic, SD 57003 (866) 769-7200					
					






H006X0	RRX	0.1	R	HCS	RRNO
H008E1	E3	0.1	R	HCS	RRNO
H01X0	RRX	0.1	S	HCS	RRNO
H02E1	E3	0.2	R	HCS	RRCE, RRNO
H04E8	E3	0.4	S	HCS	RRCE, RRNO
H04X0	RRX	0.4	R	HCS	RRCE, RRNO
H07X0	RRX	0.7	R	HCS	RRCE, RRSOa
H09X0	RRX	0.9	R	HCS	RRCE, RRSOa
H09X1	RRX	0.9	R	HCS	RRSOa
H10X0	RRX	1.0	R	HCS	RRSOa
H14X1	RRX	1.4	R	HCS	RRSOB

LATHAM Latham Hi-Tech Seeds					
www.lathamseeds.com 131 180th St, Alexander, IA 50420 (877) 465-2842					
					

E 0624 LLGT27	LLGT27	0.6	S	SS+	RRCE
L 0124 R2X	RRX	0.1	NA	SS+	RRNO
L 0225 E3	E3	0.2	S	SS+	RRNO
L 0282 R2X	RRX	0.2	R	SS+	RRNO
L 0293 E3	E3	0.2	R	SS+	RRNO
L 0425 E3	E3	0.4	S	SS+	RRNO
L 0438 R2X	RRX	0.4	R	SS+	RRNO
L 0595 E3	E3	0.5	R	SS+	RRCE
L 0739 R2X	RRX	0.7	R	SS+	RRCE, RRSOa
L 0785 E3	E3	0.7	R	SS+	RRCE, RRSOa
L 0852 LLGT27	LLGT27	0.8	S	SS+	MNNCa, RRCE, RRSOa
L 0883 R2X	RRX	0.8	R	SS+	RRCE
L 0982 R2	RR2Y	0.9	R	SS+	MNNCa, RRCE
L 1085 LLGT27	LLGT27	1.0	R	SS+	MNNCb, RRSOa, SDNE
L 1094 E3	E3	1.0	R	SS+	MNNCb, RRSOa, SDNE
L 1192 E3	E3	1.1	R	SS+	RRSOB, SDNE
L 1392 E3	E3	1.3	R	SS+	MNNCb, RRSOb, SDNE

SOYBEAN PRODUCTS TESTED

Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
L 1429 LLGT27	LLGT27	1.4	R	SS+	MNNCb, RRSOb, SDNE
LOYAL M.S. Technologies, L.L.C. www.mstechseed.com/ 103 Avenue D, West Point, IA 52656 (800) 362-2510 					
L0320E	E3	0.3	R	CMBV,SA	RRCE, RRNO
L0830E	E3	0.8	R	CMBV,SA	MNNCa, RRCE, RRSOa
L1030E	E3	1.0	R	CMBV,SA	MNNCb, RRSOa, SDNE
L1320E	E3	1.3	R	CMBV,SA	MNCEa, MNNCb, RRSOb, SDNE
NK BRAND NK Brand (Syngenta) www.nkseeds.com 2001 Butterfield Rd, Ste 1600, Downers Grove, IL 60515 (800) 258-0521 					
S007-Y4 §	RR2Y	00.5	S	CMBV,SA	RRNO
S008-E3	E3	00.8	MR	CMBV,SA	RRNO
S01-C4X §	RRX	0.1	S	CMBV,SA	RRNO
S02-E3	E3	0.2	S	CMBV,SA	RRNO
S02-F9X	RRX	0.2	S	CMBV,SA	RRNO
S03-E3	E3	0.3	MR	CMBV,SA	RRNO
S03-S6X	RRX	0.3	S	CMBV,SA	RRNO
S04-Q7X	RRX	0.4	MR	CMBV,SA	RRCE, RRNO
S05-2E3 §	E3	0.5	S	CMBV,SA	RRCE
S05-E3	E3	0.5	MR	CMBV,SA	RRCE
S05-N5X §	RRX	0.5	S	CMBV,SA	RRCE
S07-E3	E3	0.7	MR	CMBV,SA	RRCE
S07-Q4X	RRX	0.7	MR	CMBV,SA	RRCE
S09-3E3	E3	0.9	NA	CMBV,SA	MNNCa, RRCE, RRSOa
S09-D4X	RRX	0.9	S	CMBV,SA	RRCE, RRSOa
S10-E3	E3	1.0	R	CMBV,SA	MNNCb, RRSOa
S12-R3	RR2Y	1.2	R	CMBV,SA	RRSOB
S12-T2X	RRX	1.2	MR	CMBV,SA	MNNCb, RRSOb, SDNE
S13-E3 §	E3	1.3	MR	CMBV,SA	RRSOB
S14-U9X	RRX	1.4	MR	CMBV,SA	MNNCb, MNSCa, RRSOb
NORTHSTAR NorthStar Genetics, Ltd. www.northstargenetics.com 217 Main St, Wanamingo, MN 55983 (507) 824-2878 					
NS 60264N XR2	RRX	0.2	MR	na	RRNO
NS 90094E3	E3	0.1	S	na	RRNO
NS 90334E3	E3	0.3	S	na	RRNO
PIONEER DuPont Pioneer (Corteva Agriscience) www.pioneer.com PO Box 454, Johnston, IA 50131 (800) 247-6803 					
P09A53X GC	RRX	0.9	NA	na	RRCE, SDNE
P11A44X CK	RRX	1.1	R	na	RRSOa, RRSOb
PROSEED Proseed, Inc. www.proseed.net 705 E Brewster, Harvey, ND 58341 (800) 776-3121 					
EL 80-093	E3	00.9	S	na	RRNO
EL20-73	E3	0.7	R	na	MNNCa, RRCE, RRSOa
EL21-03	E3	1.0	R	na	MNNCb, RRSOa, SDNE
EL21-23	E3	1.2	R	na	MNNCb, RRSOb, SDNE
EL90-33N	E3	0.3	R	na	RRNO
EL90-53N	E3	0.5	R	na	RRCE
EL91-33	E3	1.3	R	na	MNCEa, MNNCb, RRSOb, SDNE
XT20-07	RRX	0.1	R	na	RRNO

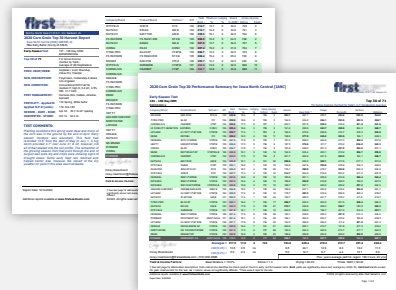
Product/Brand	Technology	Maturity	SCN	STrt	Region(s) Tested
XT20-70	RRX	0.7	R	na	RRCE
XT80-20N	RRX	0.2	R	na	RRCE, RRNO
RENK Renk Seed Co. www.renkseed.com 6809 Wilburn Rd, Sun Prairie, WI 53590 (800) BUY-RENK 					
RS100NX	RRX	1.0	R	EcTC	RRSOa, SDNE
STINE Stine Seed Company www.stinseed.com 22555 Laredo Trail Adel, IA 50003 (800) 362-2510 					
01EA63 §	E3	0.1	S	na	RRNO
03EB02 §	E3	0.3	R	na	RRCE, RRNO
06EC23 §	E3	0.6	R	na	MNNCa, RRCE, RRSOa
09EA02 §	E3	0.9	R	na	MNNCa, RRCE, RRSOa
10EC20 §	E3	1.0	R	na	MNNCb, RRSOa
THUNDER Thunder Seed, Inc. www.thunderseed.com 806 Center Ave, W Dilworth, MN 56529 (888) 684-8633 					
ASTRO	RR2Y	00.8	S	na	RRNO
SB8001	RRX	0.1	S	na	RRNO
SB8009N	RRX	0.9	R	na	MNNCa, RRSOa
SB8010N	RRX	1.0	R	na	MNNCb, RRSOa, SDNE
SB8012N	RRX	1.2	R	na	MNNCb, RRSOb, SDNE
SB8104N	RRX	0.4	R	na	RRCE, RRNO
SB87009	RRX	00.9	S	na	RRNO
SB8805N	RRX	0.5	R	na	RRCE
SB8807N	RRX	0.7	R	na	MNNCa, RRCE, RRSOa
SB8903N	RRX	0.3	R	na	RRCE, RRNO
SB8906N	RRX	0.6	R	na	MNNCa, RRCE
TE7003N	E3	0.3	R	na	RRCE, RRNO
TE7005N	E3	0.5	R	na	RRCE
TE7011N	E3	1.1	R	na	MNNCb, RRSOb, SDNE
TE7013N	E3	1.3	R	na	MNCEa, RRSOb, SDNE
TE71008N	E3	00.8	R	na	RRNO
TE7101N	E3	0.1	R	na	RRNO
TE7107N	E3	0.7	R	na	MNNCa, RRCE, RRSOa
TE7110N	E3	1.0	R	na	MNNCb, RRSOa, SDNE
TITAN PRO Titan Pro SCI, Inc. www.titanprosci.com 1301 S 24th St, Clear Lake, IA 50428 (641) 357-7283 					
07E0	E3	0.7	R	SA,A,R,G	RRCE
10E0	E3	1.0	R	SA,A,R,G	RRSOa
13E9	E3	1.3	R	SA,A,R,G	MNCEa, RRSOb
13GL0	LLGT27	1.3	R	SA,A,R,G	MNCEa, MNNCb, RRSOb
ZINESTO M.S. Technologies L.L.C. www.zinestoseed.com 103 Avenue D, West Point, IA 52656 (800) 352-2510 					
Z0200E	E3	0.2	R	na	RRNO
Z0400G	LLGT27	0.4	S	na	RRNO
Z0501E	E3	0.5	R	na	RRCE
Z0601E	E3	0.6	R	na	MNNCa, RRCE, RRSOa
Z0701E	E3	0.7	R	na	MNNCa, RRCE, RRSOa
Z0801E	E3	0.8	R	na	RRCE, RRSOa
Z1001E	E3	1.0	R	na	MNNCb, RRSOa, SDNE
Z1101E	E3	1.1	R	na	MNNCb, RRSOb, SDNE
Z1301G	LLGT27	1.3	R	na	MNCEa, MNNCb, RRSOb, SDNE
Z1401E	E3	1.4	R	na	RRSOB

EFG, LLC
P.O. Box 1001
Urbana, IL 61803

INDEPENDENT YIELD TRIALS LOCAL RESULTS



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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 your local test results using interactive maps online. Sign up for free to receive email with links to the latest harvest reports at www.firstseedtest.com/signup/

Performance Summaries highlight the results from regions operated by our Field Managers (see introduction on the front cover). Yield performances of the Top 30 products are compiled to help you **FIND THE BEST SEED PRODUCTS** for your farm. All editions are available at www.firstseedtests.com/national-summary-reports/



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