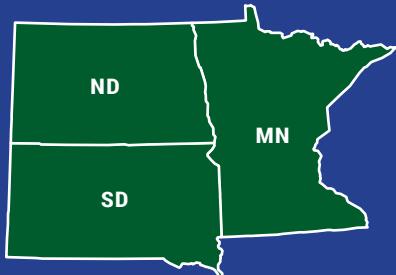




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2019 Performance Summary

NORTHWEST EDITION



Unbiased, Accurate Yield Testing, Every Time



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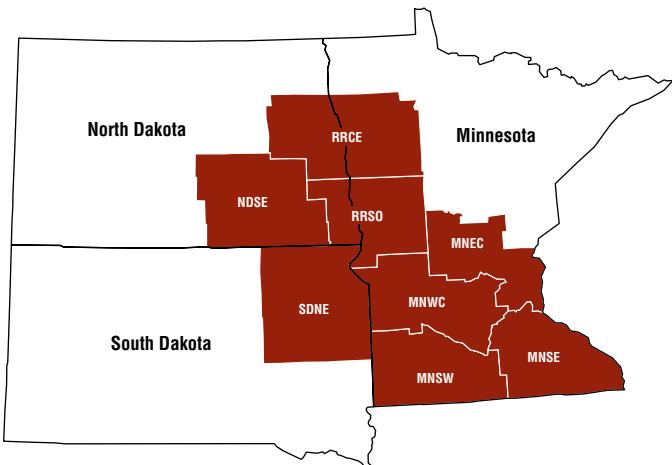
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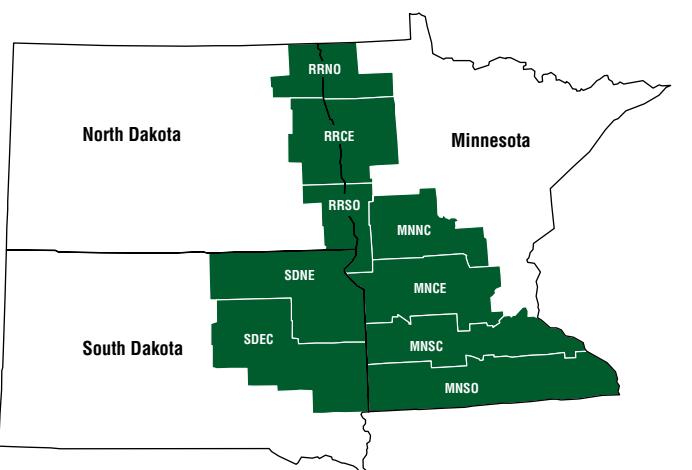
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Special Note: The FIRST organization gratefully acknowledges the 2019 financial support provided by the United Soybean Board. Their assistance in sponsoring our soybean tests, funding the grain quality analysis and distribution of information products, such as this publication, are valuable contributions to our success.

FIRST Works For You

FIRST works for you the farmer... and you the seed salesman and you the agronomist. We apply our best efforts for you, the seed consultant and farm manager. We labor long hours for our seed sponsors. We are committed to working for all of you with one focused mission:



To provide timely unbiased comparisons of innovative seed genetics to improve yield and profitability for American farmers.

We live in a world driven by data. Data helps us weigh our options, mitigate risk and make better decisions. It offers greater control. FIRST's work is about gathering and comparing data so that you can be more confident with your seed product choices.

FIRST delivers actionable yield data so farmers can make better seed buying choices for their unique conditions. Our information products are also designed to help seedsmen and seed consultants match the best performing seed products

with their customer's particular growing needs. We give agronomists a comparative tool in their toolbox that fills gaps in regions and growing conditions that their data may not cover. We give seed sponsors a strategic perspective on strengths and opportunities for growth under one consistent testing program across a contiguous geography covering most of the country's corn and soybean growing regions.

FIRST provides a fair and objective platform under a uniform standard to compare seed productivity under a multitude of soil and growing conditions across 15 states. We test over 1,560 seed products from over 70 seed companies across more than 30 distinct growing regions. We manage over 530 replicated tests on 320 farms so the corn and soybean industry can better match seed performance with particular growing conditions. We've been doing this work for 23 years.

Our data is designed to deliver different perspectives to meet different needs. FIRST produces three information products. *Product Directories* are an index of the products being tested each year, organized

by seed company. *Harvest Reports* document seed product performance at the field level. *Performance Summaries* compile all of the *Harvest Reports* within a multi-county corn or soybean region. All our information products can be found and downloaded in pdf format at www.firstseedtests.com.

Our work relies on a productive collaboration between cooperating farmers, sponsoring seed companies, our Field Managers and our network of publishing partners. Seed companies sponsor entries in the program, independent farmers provide the test site locations, our independent Field Managers administer the program, and our publishing partners help us disseminate our data to over 400,000 farmers.

We are grateful for the opportunity to be of service. We invite interested parties to visit www.firstseedtests.com for more detailed and complete information on all our information products. We look forward to continuing our longstanding and productive partnerships in the delivery of timely unbiased comparisons of innovative seed genetics to improve yield and profitability for American farmers.

A Note From Our Information Product Manager

Jessie Bhalerao, Information Product Manager

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It is an honor to join FIRST this year as Information Product Manager. The organization and integrity of FIRST data is an important example I used in prior work as an agricultural engineer. There were 526 tests planned this year, run by our 11 Field Managers: independent business owners working together with high standards of test methodology and data collection, providing fast delivery of corn grain and soybean performance information.

The 2019 growing season raised many challenges from start to finish. Persistent spring rains pushed back planting throughout all states, up to prevent plant dates, and several sites could not be planted due to wet conditions. High rainfall continued after planting, causing some emergence problems and ponding on poorly drained areas. Farms in Minnesota saw widespread wind damage from storms in July, and greensnap and lodging made harvest difficult. While a few areas of Nebraska, southern Iowa, Illinois and Pennsylvania had dry spells, the story in late summer was cool weather with fewer GDUs than normal. With late planting

dates, it was difficult for the fuller-season hybrids and varieties in the northern states to reach maturity. The fall turned cold early, and killing frosts and snows occurred in October. Poor weather and high grain moistures made harvest as challenging as planting. Widespread liquid propane shortages caused delays in harvesting corn, and late-planted soybean moistures remained very high.

Yields for harvested fields were often higher than plot host expectations, given the wet and cool conditions, and yields were often similar to site averages. This is a credit to the seed industry that produces resilient products. Considering the many difficult situations the plot hosts and Field Managers faced, we were able to harvest more than 80% of the planned tests.

This was a transition year for FIRST data management, and we will bring you more tools and information for making seed product selections in the coming year. We hope this Performance Summary book will help you find the right products to suit your farm.

A Collaboration for Success

FIRST accomplishes its mission in collaboration with seed company sponsors, independent farmers, FIRST Field Managers and our network of publishing partners. Seed companies sponsor entries in the program, our cooperating farmers provide test site locations across 15 states, our independent Field Managers administer the program, and our network of publishing partners help disseminate our data to over 400,000 farmers and agriculture professionals.

THE SEED SPONSOR'S ROLE

Seed companies have relied on FIRST yield data for the past 23 years as it provides an independent and unbiased source for presentation to a discerning and competitive marketplace.

They choose products and testing regions to meet a varied number of strategic priorities. New products, new traits, and new territories are just some of the reasons seed companies sponsor the FIRST program.

Seed companies trust FIRST because every product is assured accurate and unbiased testing. They have increased their investment in the FIRST program because FIRST consistently delivers actionable data—within days of the fall harvest—that can be leveraged for the late fall seed sales season and beyond.

Our sponsors provide seed and applicable entry fees to our Field Managers who administer the program. This investment delivers comparative data for their production and marketing decisions. It also directly benefits the individual growers and the entire American corn and soybean industry as a whole.

THE TESTING SITE HOST'S ROLE

The testing site hosts play an integral role in the FIRST program. Collectively, they offer a representative sample of diverse growing conditions across 15 states.

Many FIRST site hosts have been affiliated with the program for over 10 years. Reasons vary for host participation. Some hosts value the yield data gained from testing 50 to 150 seed products in their field using their production practices. Others view it as a goodwill contribution benefiting the agricultural community as a whole.

FIRST greatly appreciates our host partner's collaboration. Sharing their knowledge of what is required to make a business of producing grain is an ongoing lesson for each of us.

THE FIRST FIELD MANAGER'S ROLE

The role of our Field Managers is that of program administrator. Field Managers recruit and work with seed sponsors and plot hosts within their respective regions. They administer seed sponsor accounts and identify prime test site locations that are representative of the geographic diversity and conditions within their area. Field Managers also process and package seed selections, and plant and monitor the test sites. In the fall they harvest, collect the data and transfer it to the Data Manager for final processing.

Throughout the year they attend mandatory FIRST training sessions, and update their methods and equipment to keep up with the latest developments.

THE PRINT PUBLISHER'S ROLE

FIRST collaborates with an extensive network of publishing partners that help us get our data to farmers and agricultural professionals across the country. Numerous local and regional agricultural newspapers publish our *Harvest Reports* on an annual basis. Collectively, they reach over 400,000 farmers and seed industry professionals.

All of our information products can be downloaded from www.firstseedtests.com in pdf format.

FIRST's Information Products Offer Different Perspectives

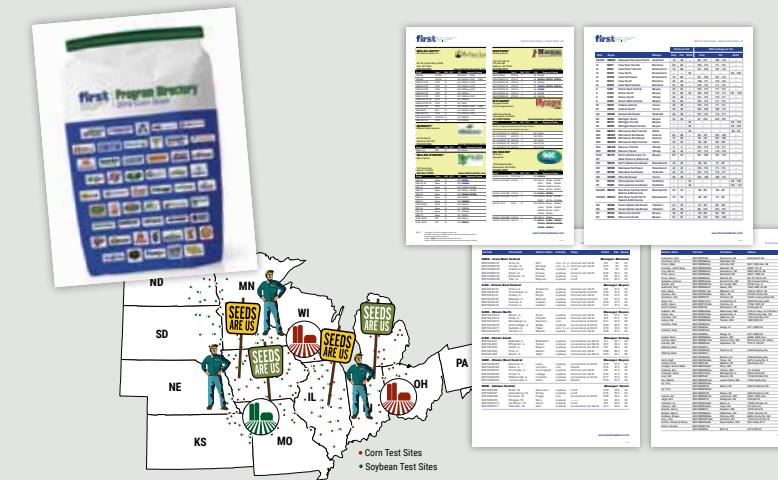


Unbiased, Accurate Yield Testing, Every Time

We believe that the most useful tool is the one that gets used the most. FIRST is committed to making our data easy to navigate, understand and apply. Our goal is to make our data useful to all our audiences: farmers, seedsmen, managers and consultants, agronomists, and seed companies.

FIRST produces three information products, Product Directories, Harvest Reports, Performance Summaries and an annual Yield Guide. These products offer different levels of insight. Product Directories are an index of the products being tested each year, organized by seed company. Harvest Reports are a field-level view of product performance. Performance Summaries are a multi-county or regional perspective. These three products offer a set of tools useful in finding the best seed products with particular characteristics for different conditions and considerations. Each product is designed with the end user in mind, providing the perspective that's most applicable to a particular need.

All of our information products can be downloaded from www.firstseedtests.com in pdf format.



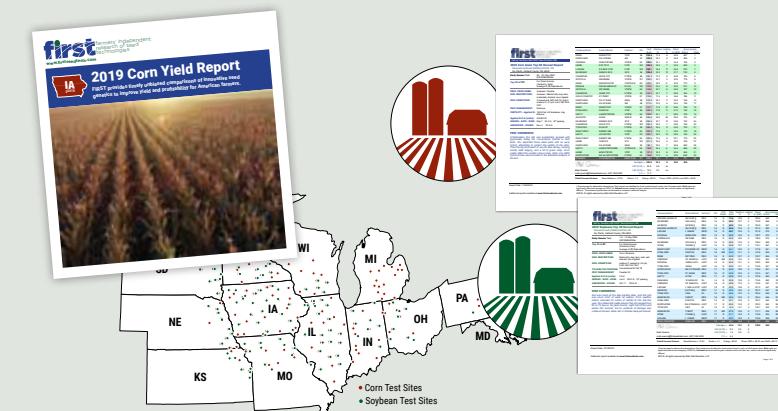
PRODUCT DIRECTORIES are an index of the products being tested each year, organized by seed company. The Directories also include region and entry totals, test site descriptions, and contact information for our FIRST field managers and a list of FIRST member growers. These are a preview of the current year's Testing Program. They also identify products tested in the previous year that are being retested. Products that did significantly above average the previous year are specifically noted.

Designed for

Growers

Seed Dealers/Farm Mgr

Sales Mgmt



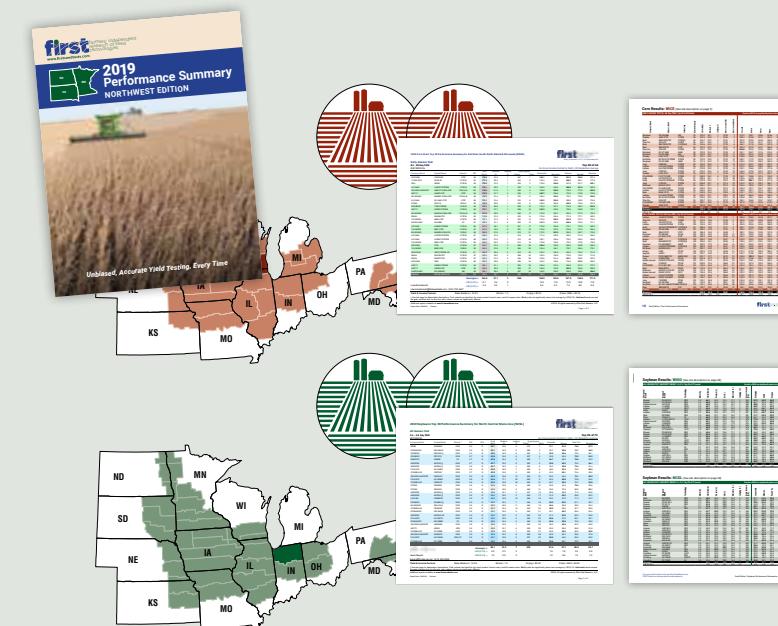
HARVEST REPORTS are field-level results. Think of them as the farm next door. Harvest Reports register results from individual test sites in locations that are representative of specific areas. They are the results of replicated seed tests from farms participating in a FIRST corn or soybean program within your region. These reports offer a direct side-by-side comparison of products grown at each test site.

Designed for

Growers

Seed Dealers/Farm Mgr

Sales Mgmt



PERFORMANCE SUMMARIES compile the results of all the *Harvest Reports* within a multi-county corn or soybean region organized by maturity ranges. Test entries are sponsored by seed brands conducting business in these areas. The same seed products are tested at all test sites within a region. Generally, states are subdivided into 2–5 regions. Some regions overlap 2 or 3 states if appropriate.

These summaries offer a direct side-by-side comparison of products grown at each test site. This apples-to-apples approach demonstrates seed performance differences due to production practices or growth environment. Product yield results within a region are averaged and ranked. Individual test site results presented provide insight about where and when these products are best suited.

Designed for

Growers

Seed Dealers/Farm Mgr

Sales Mgmt

FIRST Testing Methodology and Procedures

TESTING PROGRAM

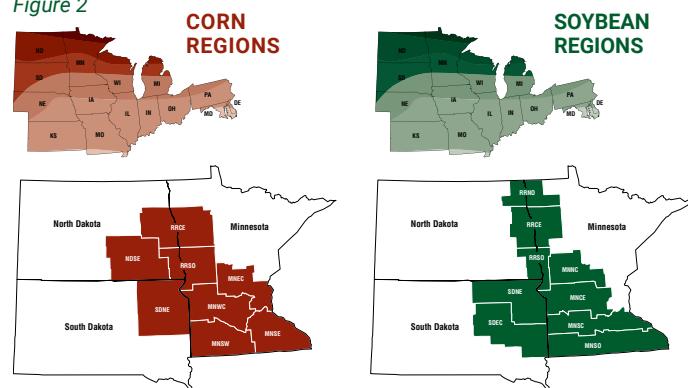
Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (Figure 1).

Figure 1



Testing regions have been established to provide similarity by geography and crop maturity. Seed products within a predefined maturity range (i.e., 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 2).

Figure 2



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.

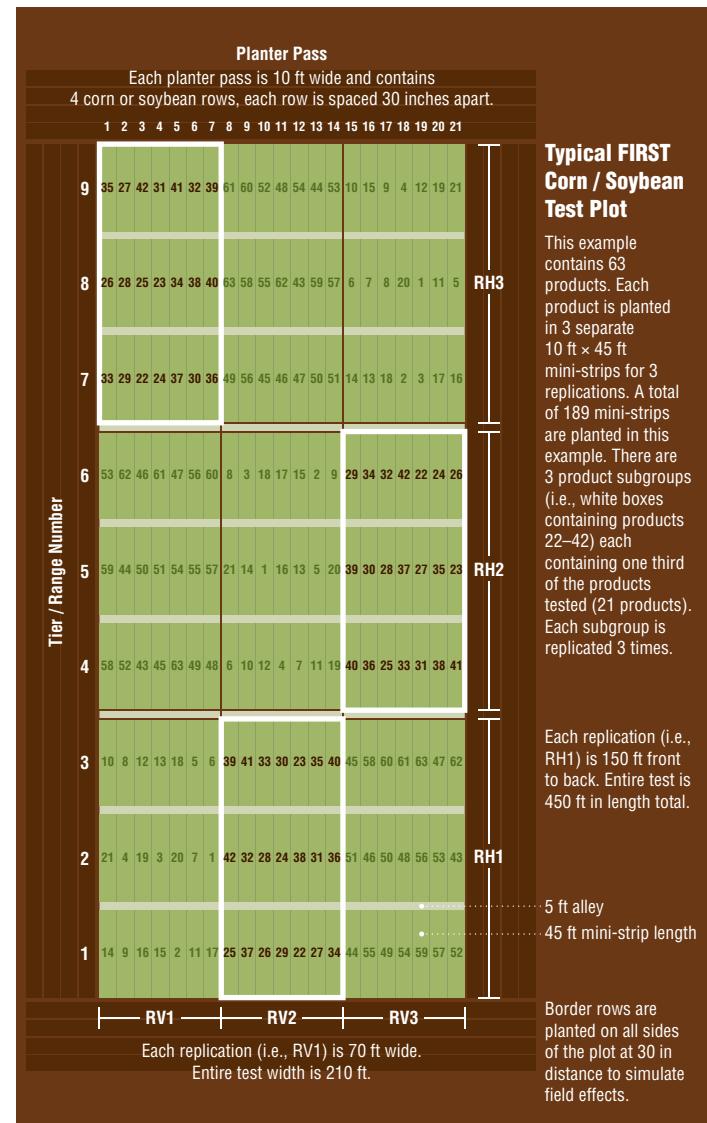
Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions (See pages 21–24 & 35–37). They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. x1234 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



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 within three days of harvest (on average) 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 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.

Figure 4

EARLY-SEASON TEST 93-98 Day CRM Top 30 of 48 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	Test Location	Overall	Power	Report	Total	
Dairyland Thunder	DS-3500AM 6098 VT2P	AM VT2PB	98	219.9	24.1	1	\$759	1	272.2	188.1	148.6	220.6	270.0	

Figure 5

ALL-SEASON TEST MATURITY GROUP 3.3-4.3 Top 30 of 54 tested							G	F	Results in BOLD are significantly above test average.				
Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Protein (%)	Oil (%)	Lodging (%)	Gross Income (\$/A)	Betin	Forsyth	Tuscaloosa	Vidalia	
Dyna-Gro S37XS89	RRX-ST	3.7	65.8	34.7	18.9	12.5	3	\$592	68.8	61.3	64.5	68.5	
Great Heart GT-371IXS	RRX-ST	3.7	65.5	34.9	19.1	12.7	3	\$590	67.8	62.7	66.8	64.8	
FS HiSoy FS 39X70	RRX-ST	3.8	63.3	34.8	18.9	12.4	3	\$570	66.0	61.2	62.0	63.9	
Pioneer P36A1BX	RRX	3.8	63.2	34.4	19.8	12.8	4	\$569	67.0	56.1	62.7	67.1	

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.

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.

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.

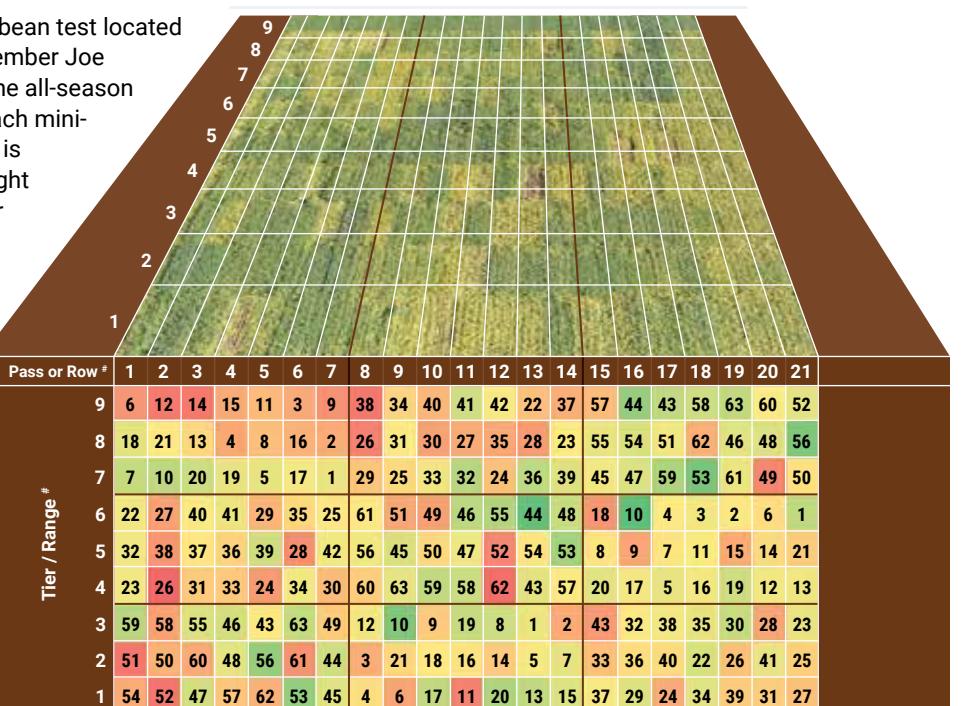
Check Product (CK) – When early- and full-season tests are conducted at a site, an identical check product is planted in both tests. Check yield results allow growers to comparatively view product performance in both early- and full-season tests. No product yield adjustments are made based on check performance.

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.

TEST SITE HEAT MAP WITH AERIAL OVERVIEW FOR COMPARISON

The aerial image shows the 2018 FIRST soybean test located at Thomasboro, Illinois hosted by farmer member Joe Burke. The "heat-map" superimposed over the all-season test uses color to represent yield level for each mini-strip (10 ft wide by 45 ft long). Highest yield is bright green while lowest yield levels are bright red. Mini-strips containing the same number have identical seed products (3 mini-strips per product).



FOOTNOTES, TECHNOLOGIES & ABBREVIATIONS

CORN PRODUCT SUFFIX IDENTIFIERS

Code	Product Suffix Description
CK	Check product found in early- and full-season tests
GC	"Grower Comparison" product from farmer cooperator

CORN TECHNOLOGY (Tech.) ABBREVIATIONS

Code	Technology Description
3000GT	Agrisure® 3000GT (CB,RW,LL,GT)
3010	Agrisure® 3010 (CB,LL,GT)
3011,A	Agrisure® Artesian® (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,HX,LL,GT)
A	Agrisure® Artesian®
AM	Optimum® AcreMax® (YGB, HX, LL, RR2)
AMT	Optimum® AcreMax® TRIsect (HX, RW, LL, RR2)
AMX	Optimum® AcreMax® Xtra (YGB, HXT, LL, RR2)
AMXT	Optimum® AcreMax® Xtreme (YGB, HXT, RW, LL, RR2)
AQ	Optimum® AQUAMax®
CB	Agrisure® Corn Borer
DG	Genuity® DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)

CORN REFUGE BLEND*(RIB) SEED PRODUCTS

Code	Refuge Blend Descriptions
N	No
Y	Yes, refuge included in test product

*The genetics of the refuge component in a product may vary.

SOYBEAN PRODUCT SUFFIX IDENTIFIERS

Code	Product Suffix Description
S	United Soybean Board sponsored entry
CK	Check product found in early- and full-season tests
GC	"Grower Comparison" product from farmer cooperator

SOYBEAN TECHNOLOGY (Tech.) ABBREVIATIONS

Code	Technology Description
E3	Enlist E3™
G27	LibertyLink® GT27TM
LL	LibertyLink®
None	Conventional, non-GMO
OI	Optimum® Intrasect®, YHR (YGB, HX, LL, RR2)
OIX	Optimum® Intrasect® Xtra, YXR (YGB, HXT, LL, RR2)
OIXT	Optimum® Intrasect® Xtreme (YGB, HXT, RW, LL, RR2)
PC	PowerCore™ (HX, VT2P)
RR2	Roundup Ready® 2 Corn
RW	Agrisure® Rootworm
STX	SmartStax® (VT3P, HXT, RR2, LL)
Tre	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT3P	Genuity® VT Triple PRO®
YGB	YieldGard® Corn Borer

SOYBEAN CYST NEMATODE (SCN) RESISTANCE RATING

Code	Soybean Cyst Nematode Description
NA	Information not available
S	Susceptible
MR	Moderate resistance
R	Resistant



Finding the Right Data is Just a Process of Elimination

These Performance Summaries compile the data from individual FIRST Harvest Reports in 2019 (which can be found at www.firstseedtests.com) and feature new genetics and genetic technologies that have not yet been independently reviewed.

Seed tests are designed to combine all the data in a region so that the averages are statistically significant. Yield averages from each of the test sites are also included so that the reader can determine consistency for any one hybrid or variety.

FOR GROWERS

Don't get overwhelmed by all the data in this book, 99% of it isn't applicable to you. Most growers will only need to look at 2 pages in the corn section and 2 pages in the soybean section. Within those pages, a grower may only be interested in 3-5 products.

Using this guide is just a simple process of elimination. Follow the steps below to quickly get to the product data most relevant for your operation. Use these in collaboration with your seed sales consultant.

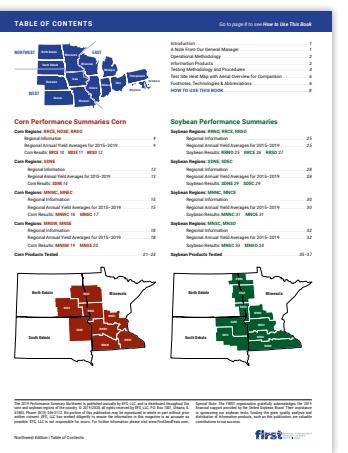
FOR SEEDSMEN, SEED CONSULTANTS AND FARM MANAGERS

Follow the same instructions for "Growers" above and repeat for every applicable region in your area of sales responsibility. Use these data tables as a resource when assisting your customers on an individual basis.

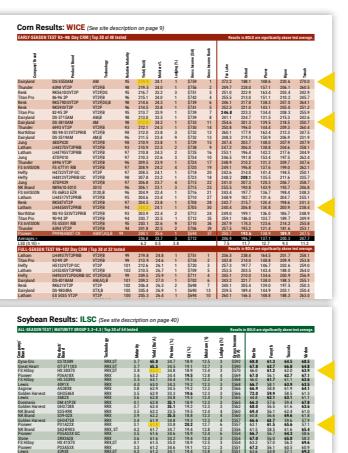
FOR AGRONOMISTS AND SALES MANAGEMENT

These tables are good for identifying products that are off to a good start. While not yet being tested over multiple years in the FIRST program, products showing superior performance in independent trials this year are likely to have a strong performance record while being developed by seed companies. Together they build a strong case for positioning the product for sale where most competitive.

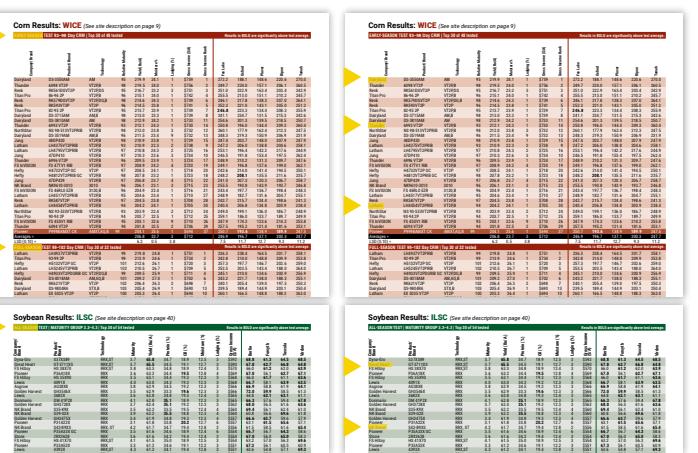
- 1.** This book is divided by crop, region and maturity. Go to the maps on the inside cover to determine what table interests you and turn to the applicable page.



- 4.** Continue eliminating products not of interest by looking at the right side of the table based on yield consistency, high and low yields, and yields from farms that do not apply to your grain operations.



- 2.** At the regional summary page, select data table based on maturity (ultra-early-, early-, full-, or all-season).



- 3.** Starting on the left side, eliminate products not of interest based on brand preference, technology, maturity, lodging and yield average.



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MNWC
Minnesota West Central

Minnesota

MNEC

Minnesota East Central

Site Description: MNWC (See corn results table on page 10)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	Years
Clinton	Doug Nelson	loam	conventional	soybean	30	30-May	—	—	199.5	13
Kerkhoven	Rod Lindquist	loam	conventional	soybean	30	17-May	32.4	210.1	202.9	3
Lester Prairie	Nathan Ide	loam	conventional	soybean	30	07-May	34.1	199.2	195.2	6
Sedan	Michael Stamer	sandy loam	conventional	soybean	30	06-May	34	227.1	—	new site
Starbuck	Matt Moe	sandy loam	conventional	soybean	30	13-May	34	212.7	209	2
Winthrop	Neil Rasmussen	clay loam	conventional	soybean	30	01-Jun	34	187.9	207.5	3
MNWC							199.2	18		

Site Description: MNEC (See corn results table on page 11)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	Years
Albany	Ray Beutz	loam	conventional	corn	30	15-May	33.1	213.9	208.3	2
Clear Lake	Ryan Peterson	sand	conventional	soybean	30	07-May	33.8	212.9	225.1	1
Foley	Roy Schneider	loam	strip till	soybean	30	13-May	33	207.3	228.4	1
Milaca	Kevin Schreur	silt loam	conventional	corn	30	03-Jun	—	—	190.2	2
Royalton	Kenny Kasella	loamy sand	conventional	soybean	30	05-May	33	212.3	—	new site
Taylors Falls	Sandberg Farms	loam	conventional	soybean	30	17-May	33.4	202.7	208.2	2
MNEC							200.9	3		

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2015-2019

FIRST Region	Average Yield by Year (Bu/A)					Since Inception
	2019	2018	2017	2016	2015	
MNWC	207.4	212.8	204.1	210.6	202.7	199.2
MNEC	209.8	214.9	180.3	—	—	200.9

Corn Results: MNWC (See site description on page 9)

EARLY-SEASON TEST 93–98 Day CRM | Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.					
									Clinton [#]	Kerkhoven [#]	Lester Prairie	Sedan	Starbuck	Winnipeg
Hefty	H4732VT2P	VT2P	97	219.7	20.7	1	771	2	147.3	213.8	200.0	238.9	226.2	219.3
Dahlman	R48-21VT2PRIB	VT2PB	96	219.2	20.5	0	772	1	166.0	237.3	209.9	234.3	226.3	188.4
Latham	LH4657VT2PRIB	VT2PB	96	218.7	20.8	0	768	3	162.4	221.6	211.0	233.9	231.3	195.6
Thunder	6996 VT2P	VT2PB	96	214.8	20.5	0	757	4	166.6	224.1	178.0	250.3	216.3	205.2
Renk	RK579DGVT2P	VT2PDG,B	98	213.9	20.6	0	753	5	172.1	208.4	191.6	237.8	235.9	195.7
Golden Harvest	G97N86-3220-EZR	3220,B	97	213.6	20.3	0	752	8	151.5	225.2	216.2	221.4	204.7	200.5
Hefty	H4812VT2PRIB	VT2PB	98	213.1	20.0	1	753	6	148.4	232.5	200.5	225.1	214.5	193.1
Hefty	H4612VT2PRIB	VT2PB	96	213.1	20.7	1	750	9	157.1	216.9	199.0	232.1	228.3	189.0
Hefty	H4332VT2P	VT2P	93	212.5	19.9	0	753	7	192.3	246.8	180.3	236.6	211.7	187.1
Proseed	1996VT2PRIB	VT2PB	96	210.0	20.7	0	739	10	175.2	240.7	189.7	234.4	204.5	180.6
Hefty	H4522VT2PRIB	VT2PB	95	209.3	20.9	4	735	12	166.7	235.3	195.4	227.3	207.3	181.0
Heine	6200VT2PRORIB GC	VT2PB	95	208.9	20.9	0	734	13	155.7	232.7	190.6	234.4	207.3	179.4
Dyna-Gro	D37VC64	VT2P	97	208.8	20.5	0	735	11	143.7	225.5	194.6	229.8	208.9	185.1
Latham	LH4795VT2PRIB	VT2PB	97	208.8	21.2	1	731	18	145.4	215.8	196.1	232.2	204.4	195.3
Renk	RK593VT2P	VT2P	96	208.4	20.6	1	733	16	186.8	203.6	198.8	238.9	209.6	191.3
Proseed	1998VT2PRIB	VT2PB	98	208.4	20.6	0	733	15	168.9	210.4	215.0	224.1	222.5	169.9
Anderson	609R	RR2	98	208.1	20.7	10	731	19	126.7	216.4	181.4	241.2	195.2	206.6
Titan Pro	82-95 2P	VT2PB	95	208.1	20.9	2	731	20	161.0	208.5	190.9	231.8	224.2	185.2
Thunder	6098 VT2P	VT2PB	98	208.1	21.1	2	729	22	186.4	214.0	196.7	215.2	214.5	200.0
Dairyland	DS-3810AM	AM	98	208.0	20.9	0	731	21	184.2	238.1	178.7	223.9	209.8	189.6
Dahlman	R47-26VT2PRIB	VT2PB	94	207.6	20.2	0	734	14	143.8	214.0	172.4	226.1	226.6	199.1
Renk	RK587VT2P	VT2PB	97	207.6	20.4	0	732	17	144.0	220.7	184.9	218.1	216.1	198.2
Dyna-Gro	D39VC40	VT2P	98	206.9	20.7	0	727	24	108.6	189.1	202.5	226.3	230.0	186.8
Latham	LH4517VT2PRIB	VT2PB	95	206.6	20.5	0	728	23	169.9	202.0	194.9	245.0	223.1	168.0
Federal	4680VT2PRIB	VT2PB	96	206.3	20.5	0	727	25	179.1	205.5	198.5	236.2	213.5	178.1
Enestvedt	E660SS RIB	STX,B	97	204.3	21.1	0	717	30	157.0	214.2	177.5	217.1	222.2	190.8
NK Brand	NK9738-3220-EZR	3220,B	97	204.3	20.5	1	720	26	163.3	209.7	169.5	241.5	205.8	195.1
Dairyland	DS-3750AM	AM	97	204.0	20.5	2	718	28	157.1	224.7	191.4	220.5	195.6	187.8
Federal	4580VT2PRIB	VT2PB	95	203.9	20.6	0	718	27	174.0	211.2	166.8	248.7	201.8	191.1
Golden Harvest	G95M41-3010	3010	95	202.6	19.8	0	717	29	159.5	223.3	181.6	223.9	192.2	192.2
Pioneer	P0157AMXT CK	AMXT,AQ,B	101	182.9	21.9	0	637	54	183.0	159.2	147.6	212.2	202.6	193.0
Averages =				204.3	20.6	2	720		158.6	209.4	187.1	229.1	210.5	187.1
LSD (0.10) =				9.7	0.3	3.2			28.0	28.4	21.6	9.3	13.3	14.1

FULL-SEASON TEST 99–102 Day CRM | Top 30 of 45 tested

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Results in BOLD are significantly above test average.										
				Clinton [#]	Kerkhoven [#]	Lester Prairie	Sedan	Starbuck	Winnipeg					
Federal	5280VT2PRIB	VT2PB	102	232.1	21.7	1	809	1	166.9	237.8	240.1	246.6	223.7	212.3
Latham	EX 5035 VT2P	VT2P	100	228.0	21.4	2	797	2	144.0	224.7	241.0	238.1	235.7	200.7
Heine	6550VT2PRO GC	VT2P	99	227.1	21.2	1	795	3	184.9	226.7	222.9	256.0	230.4	199.4
Hefty	H5212VT2PRIB	VT2PB	102	223.9	21.5	1	781	4	139.5	232.5	241.8	230.2	215.2	199.7
Federal	5000VT2P	VT2P	100	222.1	21.3	0	778	5	178.1	229.9	218.7	255.6	226.5	179.9
Latham	LH5245VT2PRIB	VT2PB	102	220.9	21.6	0	768	7	133.6	218.1	255.3	221.0	201.0	209.2
Hefty	H5132VT2P	VT2P	101	220.5	21.4	2	770	6	138.7	206.0	237.0	238.1	226.8	194.9
Dahlman	R52-24VT2PRIB	VT2PB	103	220.2	21.6	0	768	8	126.0	209.2	217.0	244.4	213.3	216.9
Federal	4990VT2PRIB	VT2PB	99	219.4	21.4	2	766	9	174.7	227.1	217.1	232.0	211.9	209.0
Titan Pro	92-99 2P	VT2PB	99	218.0	20.6	1	766	10	177.7	217.0	233.6	219.3	228.4	191.7
Thunder	6902 VT2P	VT2PB	102	216.0	21.5	0	7							



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Site Description: MNSW (See corn results table on page 13)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	Years
Easton	Dru Martin	silty clay loam	conventional	soybean	30	07-May	—	—	201.8	17
Jackson	Steve Ryberg	clay loam	conventional	soybean	30	16-May	32.8	196.9	201.3	17
Jeffers	Rick Quade	clay loam	conventional	soybean	30	16-May	32.5	190.1	190.1	12
Lamberton	Ed Iverson	clay loam	conventional	soybean	30	04-Jun	32.3	194.8	202.1	1
Mankato	Greg Scheurer	loam	conventional	soybean	30	15-May	33.7	221	—	new site
Truman	Dan Helvig	loam	conventional	soybean	30	07-May	33.2	209.5	—	new site
MNSW							195.2	19		

Site Description: MNSE (See corn results table on page 14)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	Years
Cannon Falls	Marc Hernke	silt loam	conventional	soybean	30	14-May	33.8	251.1	207.3	16
Dexter	Eric Lee	silt loam	conventional	soybean	30	05-May	33.3	213.5	208.5	10
Eyota	Arthur & Paul Wendt	silt loam	conventional	soybean	30	15-May	33.7	223.3	210.5	17
Kasson	Brian Herbst	silt loam	conventional	soybean	30	06-May	32.9	219.2	213.5	18
Nerstrand	Keith, Kurt and Brian Schrader	silt loam	minimum	soybean	30	06-May	32.7	235.2	—	new site
New Richland	Leon Schoenrock	clay loam	conventional	soybean	30	07-May	33.5	205.3	199.8	18
MNSE							205.7	19		

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2015–2019

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2019	2018	2017	2016	2015	Bu/A	#Years
MNSW	203.8	197.1	218.6	206.6	211.3	195.2	19
MNSE	225.1	218.3	235.5	223.4	215.3	205.7	19

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Easton [#]	Jackson	Jeffers [#]	Lamberton	Mankato	Truman
Champion	49A20 VT2	VT2PB	99	233.6	20.0	4	807	1	218.3	246.7	219.0	198.0	259.0	245.5
Hefty	H5132VT2P	VT2P	101	231.7	19.7	8	803	2	205.7	247.3	223.9	195.3	245.4	246.3
Federal	5280CONV	None	101	224.8	20.1	4	774	3	—	212.5	215.4	240.7	239.9	215.5
Titan Pro	84-01	None	101	222.4	20.1	8	767	5	—	214.3	214.7	218.4	221.9	242.4
DeKalb	DKC50-08RIB GC	STX,B	100	222.2	20.0	4	768	4	219.0	238.8	184.1	203.3	245.8	238.8
Champion	50A19 VT2	VT2PB	100	221.0	20.1	4	762	6	206.3	234.0	225.1	186.1	230.6	229.5
Federal	4990VT2PRIB	VT2PB	99	220.8	20.3	3	760	7	229.3	230.6	218.4	194.6	234.7	225.8
Renk	RK579DGVT2P	VT2PDG,B	98	219.9	19.9	5	760	8	220.2	215.5	209.5	220.6	214.6	239.7
Latham	EX 5035 VT2P	VT2P	100	219.1	20.1	5	756	9	226.1	218.6	203.3	186.2	250.5	237.0
Heine	EXP 7010	VT2P	100	218.6	20.0	6	755	10	229.2	244.2	200.4	187.3	228.5	232.6
Heine	6500VT2PRO	VT2P	99	216.3	19.5	4	751	12	197.2	214.2	203.6	216.2	231.6	216.0
Renk	RK593VT2P	VT2P	96	216.2	19.4	3	751	11	234.0	241.4	195.7	203.9	222.4	217.8
Latham	LH4937VT2PRIB	VT2PB	99	215.8	19.4	5	750	13	189.2	210.3	205.4	195.5	241.6	226.0
Wyffels	W2196RIB	VT2PB	99	215.5	20.1	5	743	15	218.9	210.4	204.0	205.1	226.1	231.6
Wyffels	W2506RIB	VT2PB	101	214.6	20.4	6	738	17	222.2	220.3	179.0	223.3	222.2	228.2
Hefty	H4922VT2PRIB	VT2PB	99	213.3	19.2	4	743	14	206.8	230.3	200.8	203.1	224.3	208.0
Latham	LH4830	None	98	212.3	19.7	5	735	18	—	214.6	217.0	205.8	223.3	200.7
Dairyland	DS-3750AM	AM	97	212.0	19.9	3	733	23	229.6	222.8	188.2	203.6	215.6	229.8
NK Brand	NK9610-3010	3010	96	211.8	19.1	4	739	16	225.0	223.9	204.5	199.1	205.1	226.5
Gold Country	97-75R2P	VT2PB	97	211.8	19.7	8	734	19	215.5	217.1	193.4	196.6	220.7	231.3
NorthStar	NS 94-162VT2PRIB	VT2PB	94	211.6	19.6	9	734	22	196.8	204.7	209.3	202.7	221.1	220.1
Titan Pro	92-99 2P	VT2PB	99	211.1	19.4	3	734	21	206.2	213.9	189.5	205.4	229.5	217.3
Enestvedt	E699DP RIB	VT2PB	99	211.0	19.3	5	734	20	205.9	216.2				

Corn Results: MNSE (See site description on page 12)

Go to page 8 to see **How to Use This Book**

EARLY-SEASON TEST 96-101 Day CRM | Top 30 of 60 tested

Results in **BOLD** are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Cannon Falls	Dexter	Eyota	Kasson [#]	Nerstrand	New Richland
Federal	5280CONV	None	101	242.6	20.8	2	829	2	261.1	246.9	226.4	242.1	248.9	229.9
Titan Pro	92-99 2P	VT2PB	99	241.0	20.1	4	830	1	270.7	226.1	248.0	229.2	242.7	217.4
Federal	5280VT2PRIB	VT2PB	102	238.1	21.0	2	811	4	258.0	211.1	244.3	238.7	260.6	216.6
Latham	EX 5035 VT2P	VT2P	100	236.2	20.7	4	808	5	267.8	213.0	241.2	249.6	246.8	212.4
Renk	RK593VT2P	VT2P	96	235.7	20.1	6	812	3	241.7	221.2	246.2	222.0	261.2	208.3
Titan Pro	84-01	None	101	235.2	20.8	2	804	7	257.2	239.8	221.8	242.0	245.1	212.2
Hefty	H5132VT2P	VT2P	101	234.9	20.6	3	805	6	262.9	221.2	227.2	226.4	253.3	209.9
NuTech	56A7Q	QR,B	96	232.4	21.4	2	789	10	241.3	214.1	236.5	231.2	244.7	225.3
Federal	4990VT2PRIB	VT2PB	99	232.2	21.0	1	792	9	250.6	215.0	248.4	236.8	235.4	211.4
Dairyland	DS-3750AM	AM	97	231.0	20.5	1	792	8	240.8	216.8	241.9	212.1	233.8	221.4
Anderson	609R	RR2	98	229.6	20.6	3	786	12	254.0	214.3	240.7	228.2	253.7	185.2
Epley	E9840	None	98	229.1	20.5	4	785	13	255.3	213.5	228.2	214.9	237.2	211.5
NorthStar	NS 98-513VT2PRIB	VT2PB	98	228.8	20.0	5	789	11	256.0	216.2	225.0	222.6	238.4	208.7
Gold Country	97-75R2P	VT2PB	97	228.3	20.2	4	785	16	251.3	214.6	246.8	212.5	231.9	197.0
Viking	52-00	None	100	228.3	20.2	1	785	14	261.5	219.6	243.3	222.0	235.8	181.2
NK Brand	NK9930-3010	3010	99	228.1	20.3	5	783	17	248.2	205.6	254.4	237.4	241.3	190.7
Latham	LH4830	None	98	228.0	20.4	3	782	18	255.3	202.0	240.1	202.5	240.8	201.8
Viking	44-98	None	98	227.9	20.5	5	782	19	258.3	206.1	233.1	215.0	243.2	198.7
Latham	LH4937VT2PRIB	VT2PB	99	227.1	19.8	6	785	15	252.4	203.1	227.0	235.0	240.9	212.2
Anderson	6811	None	100	227.1	20.6	1	778	21	250.5	216.9	240.7	227.0	225.6	201.9
Viking	46-96	None	96	227.0	20.5	3	779	20	252.0	199.3	238.0	241.2	236.1	209.8
Epley	E1012SS	STX	100	225.8	20.7	1	772	26	250.3	200.2	222.7	207.6	242.0	213.8
NuTech	E58A2Q	QR,B	98	225.6	20.8	2	771	27	258.9	212.2	228.7	203.0	222.8	205.1
Anderson	6898	None	98	225.5	20.3	1	775	23	244.0	219.1	226.8	227.3	245.0	192.6
Hefty	H4922VT2PRIB	VT2PB	99	225.1	20.2	4	774	24	257.3	210.3	242.2	212.4	218.3	197.5
Titan Pro	85-96	None	96	225.1	20.0	2	776	22	248.0	201.9	220.7	222.3	250.2	204.5
NuTech	5F-601AM	AM,B	100	225.0	20.9	3	768	30	250.1	211.2	238.3	227.4	235.3	189.9
Dairyland	DS-3519AM	AM,B	96	224.8	20.2	5	773	25	241.6	212.3	228.9	214.6	243.8	197.1
Augusta	A2345	3220,B	96	224.5	20.4	6	770	28	254.4	209.3	230.2	224.8	254.2	174.5
Renk	RK579DGVT2P	VT2P,DG,B	98	224.0	20.4	5	769	29	253.8	210.7	221.8	226.9	229.6	204.0
Pioneer	P0157AMXT CK	AMXT,AQ,B	101	220.8	21.7	2	746	41	255.0	196.1	241.6	203.7	224.4	187.0
Averages =				223.2	20.5	3	764		246.6	207.4	228.5	221.4	236.0	197.3
LSD (0.10) =				7.8	0.3	2.9			14.0	18.4	17.8	20.7	14.5	17.6

FULL-SEASON TEST 102-106 Day CRM | Top 30 of 66 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	Cannon Falls	Dexter	Eyota	Kasson [#]	Nerstrand	New Richland
Gold Country	106-96RSS	STX,B	106	248.4	22.8	1	829	2	276.4	238.1	243.2	228.3	251.4	253.0
Viking	51-04	None	104	247.9	22.0	5	835	1	261.8	244.8	260.5	269.6	250.9	200.0
Dairyland	DS-7004RA	PC,B	104	243.8	22.9	9	813	3	262.8	237.9	245.4	243.5	246.8	226.7
Titan Pro	82-04 2P	VT2PB	104	239.6	21.6	1	811	4	263.8	214.4	252.5	231.3	251.6	224.1
Augusta	A2856	3220,B	105	239.6	22.9	3	799	10	274.9	228.6	226.5	235.8	237.1	234.4
Dairyland	DS-4310AM	AM	103	238.2	22.2	3	801	8	276.6	213.4	246.0	227.2	244.6	221.6
NK Brand	NK0243-3120-EZR	3120,B	102	237.9	21.5	12	806	5	262.7	251.1	234.9	212.5	251.1	215.1
Epley	E1503VT2P	VT2P	105	237.7	21.5	1	806	6	257.8	246.8	227.4	226.2	255.0	213.1
Pioneer	P0589 GC	AQ	105	237.6	21.5	1	805	7	262.1	227.0	242.5	214.8	246.7	232.3
Epley	E1330	None	103	236.3	21.5	3	801	9	263.0	219.1	233.2	237.1	245.5	220.1
NuTech	64D1AM	AM,B	104	236.3	22.6	2	791	15	256.6	231.7	233.6	223.2	232.1	240.8
Wyffels	W4196RIB	VT2PB	105	236.1	22.0	2	795	12	271.7	202.3	244.4	239.2	257.3	201.8
Viking	55-02	None	102	236.0	21.9	2	796	11	271.4	226.				

Corn Results: SDNE (See site description on page 15)

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

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.					
									Arlington	Bath†	Clear Lake†	Mansfield*	Watertown#	Webster#
Dairyland	DS-3550AM	AM	95	181.5	26.0	11	585	5	184.8	242.6	148.9	216.6	177.2	149.6
Thunder	6094 VT2P	VT2PB	94	180.6	23.9	3	592	1	181.8	227.7	166.8	214.4	197.2	146.0
Integra	4119	VT2PB	91	180.5	25.4	3	586	4	173.9	234.0	151.8	211.6	226.8	162.1
Heine	EXP 6150	VT2P	94	179.9	27.6	3	574	8	173.0	218.9	168.0	214.9	198.3	160.0
Dahlman	R47-26VT2PRIB GC	VT2PB	94	179.3	23.7	4	589	2	198.4	176.7	168.7	211.1	205.3	173.4
Hefty	H4132VT2P	VT2P	91	178.6	23.3	2	589	3	178.4	227.7	164.1	205.1	195.9	144.4
Latham	LH4454VT2PRIB	VT2PB	94	177.2	28.4	3	562	13	176.6	219.1	149.4	201.1	213.3	163.7
Renk	RK561DGV2T2P	VT2PDG	95	176.6	28.2	3	562	14	177.7	237.6	145.1	199.1	204.0	146.0
Hefty	H4222VT2PRIB	VT2PB	92	176.5	26.6	3	568	10	165.2	234.6	148.7	204.4	194.7	157.4
Hefty	H4332VT2P	VT2P	93	176.2	26.6	5	567	11	179.3	224.0	147.1	194.1	198.0	154.7
Latham	LH4375VT2PRIB	VT2PB	93	175.7	24.3	4	575	6	172.6	226.5	148.4	211.5	188.3	155.3
Federal	4190VT2PRIB	VT2PB	91	175.3	24.2	2	575	7	171.5	230.2	152.8	206.5	181.3	146.7
Federal	4185VT2PRIB	VT2PB	91	174.3	24.5	4	569	9	184.4	209.8	172.1	200.4	208.4	130.9
Renk	RK433VT2P	VT2P	92	174.2	25.6	3	565	12	192.1	207.3	139.9	202.4	200.5	157.4
Thunder	6992 VT2P	VT2PB	92	172.0	25.6	2	558	15	200.7	210.6	142.2	208.4	209.9	134.7
Federal	4300VT2P	VT2P	93	171.7	25.9	3	555	16	172.1	214.8	156.4	225.4	210.6	143.4
Federal	4440VT2PRIB	VT2PB	94	170.6	29.1	2	539	21	198.2	199.0	152.8	211.7	202.7	132.7
Latham	LH4517VT2PRIB	VT2PB	95	168.0	26.5	4	540	19	181.8	185.8	162.4	226.9	202.8	142.0
Thunder	6791 VT2P	VT2PB	91	167.4	24.4	2	548	18	160.8	212.9	139.2	199.6	195.7	156.7
Thunder	6993 VT2P	VT2PB	93	167.2	24.1	2	548	17	192.6	214.9	145.5	202.2	196.1	115.7
Dahlman	R48-28VT2PRIB GC	VT2PB	95	166.8	29.0	3	527	23	169.9	205.2	141.7	204.5	196.3	150.3
Integra	CX901094	VT2P	94	164.5	24.0	5	539	20	155.0	210.2	151.8	211.4	200.7	141.0
Federal	4580VT2PRIB	VT2PB	95	164.5	29.0	4	522	24	176.3	207.5	126.7	225.5	218.5	147.4
Hefty	H4322VT2PRIB	VT2PB	93	163.8	25.3	3	533	22	165.3	196.4	140.2	207.5	202.5	153.4
Hefty	H4522VT2PRIB	VT2PB	95	161.3	28.4	4	512	28	170.0	183.5	140.8	196.8	215.6	150.9
Titan Pro	82-95 2P GC	VT2PB	95	160.8	27.7	5	512	27	170.3	164.1	150.2	202.6	219.6	158.5
Latham	LH4437VT2PRIB	VT2PB	94	160.2	25.2	5	519	25	114.9	222.5	172.6	199.8	164.0	131.1
Golden Harvest	G91V51-3110A	3110,A	91	156.9	25.4	5	509	29	173.9	214.1	135.1	215.1	206.9	104.5
Heine	6230	NA	95	156.8	25.4	3	509	30	173.5	168.4	147.0	214.1	220.9	138.2
Heine	EXP 6100	VT2P	93	156.2	26.2	2	505	31	178.6	145.6	132.3	193.7	181.8	168.5
DeKalb	DKC47-54 RIB CK	STX,B	97	162.2	28.1	3	516	26	184.5	199.5	135.6	196.0	196.2	129.0
Averages =				161.1	26.6	4	523		166.2	197.2	144.1	205.6	200.3	142.9
LSD (0.10) =				17.3	1.3	3.2			31.5	37.0	22.1	16.6	22.3	23.6

FULL-SEASON TEST 96–100 Day CRM | Top 30 of 45 tested

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	Years
East Grand Forks	Matthew Krueger	silty clay loam	conventional	soybean	30	18-May	—	—	167.1	1
Georgetown	Curtis Brendemuhl	silty clay loam	conventional	soybean	30	14-May	33.6	178.9	197.3	1
Grand Forks	Andrew Galegher	silty clay loam	conventional	soybean	30	18-May	—	—	128.3	1
Hope	Jeff Juliuson	loam	conventional	soybean	30	17-May	—	—	185.7	1
Mahnomen	Jeff Halland	silt loam	conventional	soybean	30	02-Jun	—	—	161.4	1
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5
								RRCE		167.5

Corn Results: RRCE (See site description on page 17)

EARLY-SEASON TEST 80-85 Day CRM | Top 30 of 32 tested

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.				
									East Grand Forks*	Georgetown	Grand Forks*	Hope*	Mahnomen*
Golden Harvest	G84J92-3120A-EZR	3120,A,B	84	196.8	25.8	5	\$585	2	—	196.8	—	—	—
Stine	9140-G	GT	82	188.7	23.4	1	\$572	3	—	188.7	—	—	—
Hefty	H3122VT2PRIB	VT2PB	81	187.1	23.0	0	\$569	4	—	187.1	—	—	—
NK Brand	NK8455-3220A-EZR	3220,A,B	84	185.1	23.5	3	\$560	6	—	185.1	—	—	—
Hefty	H3322VT2PRIB	VT2PB	83	184.5	22.4	0	\$563	5	—	184.5	—	—	—
Latham	LH3325VT2PRIB	VT2PB	83	183.5	22.4	0	\$560	7	—	183.5	—	—	—
NK Brand	NK8204-3220-EZR	3220,B	82	181.5	22.2	1	\$555	8	—	181.5	—	—	—
Thunder	6782 VT2P	VT2PB	82	180.1	22.2	0	\$551	9	—	180.1	—	—	—
Dairyland	DS-9085	3122	84	179.1	22.9	5	\$545	10	—	179.1	—	—	—
Golden Harvest	G85Z56-3220-EZR	3220,B	85	178.4	22.6	1	\$544	11	—	178.4	—	—	—
Proseed	1984VT2PRIB	VT2PB	84	177.9	22.8	0	\$542	12	—	177.9	—	—	—
Thunder	6983 VT2P	VT2PB	83	177.4	22.9	0	\$540	13	—	177.4	—	—	—
Dairyland	EXP-08508	AMXT,B	85	173.4	23.4	1	\$526	14	—	173.5	—	—	—
Integra	CX811083	VT2P	83	173.4	23.8	0	\$524	16	—	173.5	—	—	—
Thunder	6085 VT2P	VT2PB	85	173.2	23.4	0	\$525	15	—	173.2	—	—	—
Integra	3537	VT2PB	85	172.8	24.2	0	\$520	18	—	172.9	—	—	—
Latham	LH3427GTCBLL	3010	84	172.1	23.4	2	\$522	17	—	172.1	—	—	—
Dyna-Gro	D220H42	3110	82	170.3	23.4	5	\$516	19	—	170.3	—	—	—
Integra	3282	VT2PB	82	167.8	22.4	2	\$513	20	—	167.8	—	—	—
Golden Harvest	G80Q01-3110A	3110,A	80	167.2	23.0	7	\$508	22	—	167.2	—	—	—
Hefty	H3532VT2P	VT2P	85	166.8	23.1	0	\$507	23	—	166.9	—	—	—
Latham	LH3151RR	RR2	81	166.6	22.2	3	\$510	21	—	166.6	—	—	—
NK Brand	NK8005-3110A	3110,A	80	165.8	23.2	5	\$503	24	—	165.8	—	—	—
Hefty	H3432VT2PRIB	VT2PB	84	165.1	23.8	0	\$499	25	—	165.1	—	—	—
Renk	RK264RR	RR2	85	164.0	24.1	0	\$494	26	—	164.0	—	—	—
Thunder	6081 3220	3220,B	81	160.9	23.6	10	\$487	27	—	160.9	—	—	—
BioGene	BG510VP GC	3110,A,B	81	158.9	23.3	6	\$482	28	—	158.9	—	—	—
Latham	LH3547VT2PRIB	VT2PB	85	158.3	23.9	0	\$477	29	—	158.4	—	—	—
Latham	LH3035VT2PRIB	VT2PB	80	153.1	22.6	1	\$467	30	—	153.1	—	—	—
Enestvedt	E843RR	RR2	85	151.9	23.8	0	\$459	31	—	151.9	—	—	—
DeKalb	DKC35-88RIB CK	VT2PB	85	197.1	23.0	0	\$599	1	—	197.1	—	—	—
Averages =				172.5	23.2	2	\$524		—	172.5			
LSD (0.10) =				10.7	0.7	2.8			—	10.5			

FULL-SEASON TEST 86-90 Day CRM | Top 30 of 44 tested

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.				
									East Grand Forks*	Georgetown	Grand Forks*	Hope*	Mahnomen*
Stine	9212-10	3010,A	89	200.7	26.3	0	\$594	1	—	200.7	—	—	—
NK Brand	NK8881-3120A-EZR	3120,A,B	88	197.5	26.6	2	\$583	2	—	197.5	—	—	—
NK Brand	NK8618-3120A-EZR	3120,A,B	86	194.9	26.3	0	\$576	3	—	194.9	—	—	—
Mustang	2291VT2PRIB GC	VT2PB	91	193.7	26.8	0	\$570	6	—	193.7	—	—	—
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	193.0	28.4	6	\$561	11	—	193.0	—	—	—
Dairyland	DS-6686	GT	87	192.1	25.6	2	\$571	5	—	192.1	—	—	—
Thunder	6987 VT2P	VT2PB	87	191.6	24.6	0	\$575	4	—	191.6	—	—	—
Golden Harvest	G88F37-3120A-EZR	3120,A,B	88	190.8	26.0	1	\$566	7	—	190.8	—	—	—
Latham	LH3937VT2PRIB	VT2PB	89	190.8	26.7	0	\$562	9	—	190.8	—	—	—
Golden Harvest	G89A09-3120-EZR	3120,B	89	190.7	26.7	0	\$562	10	—	190.7	—	—	—
Proseed	1790VT2PRIB	VT2PB	90	190.3	26.2	0	\$563	8	—	190.3	—	—	—
Titan Pro	82-90 2P	VT2PB	90	189.3	26.2	0	\$560	12	—	189.4	—	—	—
Hefty	H3922VT2PRIB	VT2PB	89	188.3	26.8	0	\$555	15	—	188.3	—	—	—
Proseed	1787VT2PRIB	VT2PB	87	186.5	24.4	0	\$560	13	—	186.5	—	—	—
Integra	CX911090	VT2P	90	186.3	25.4	1	\$555	16	—	186.4	—	—	—
Latham	EX 3945 VT2P	VT2P	89	186.1	26.9	0	\$547	19	—	186.1	—	—	—
Integra	3629	VT2PB	86	185.6	24.4	0	\$558	14	—	185.6	—	—	—
Thunder	6090 3120	3120,B	90	184.7	27.1	0	\$542	24	—	184.7	—	—	—
REA	3B902	VT2PB	90	184.2	25.9	0	\$547	20	—	184.2	—	—	—
Hefty	H3632VT2P	VT2P	86	184.1	25.6	0	\$548	18	—	184.1	—	—	—
Renk	RK408VT2P	VT2PB	90	183.9	26.1	0	\$545						

Corn Results: RRSO (See site description on page 17)

EARLY-SEASON TEST 85-90 Day CRM | Top 30 of 44 tested

Company/Brand	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.				
									Barnesville	Fairmount	Rothsay	Wendell	Wheaton
Integra	CX911090	VT2P	90	178.0	21.5	1	547	1	189.1	158.3	191.2	184.0	167.4
Titan Pro	82-90 2P	VT2PB	90	177.3	22.4	0	542	2	178.3	159.3	188.2	183.1	177.6
REA	3B902	VT2PB	90	175.0	21.5	1	539	3	176.0	164.5	167.8	181.7	185.1
Latham	LH3937VT2PRIB	VT2PB	89	174.1	22.2	1	532	9	169.5	140.5	186.9	191.0	182.6
Golden Harvest	G88F37-3120A-EZR	3120,A,B	88	174.0	21.5	1	535	4	165.8	164.0	179.5	177.5	183.5
Hefty	H4032VT2P	VT2P	90	173.5	21.7	3	533	7	180.7	158.4	173.0	178.9	176.8
NK Brand	NK8881-3120A-EZR	3120,A,B	88	173.3	21.4	2	533	6	168.4	164.3	176.3	172.6	184.9
Latham	EX 3945 VT2P	VT2P	89	173.1	21.4	1	533	8	185.2	162.6	180.9	162.0	174.9
Stine	9212-10	3010,A	89	172.5	20.8	1	534	5	165.0	152.6	184.3	179.8	181.0
Proseed	1790VT2PRIB	VT2PB	90	172.1	22.5	1	525	12	179.3	157.1	174.9	166.3	183.0
Hefty	H3922VT2PRIB	VT2PB	89	172.1	21.7	1	528	10	183.2	159.6	176.9	165.0	175.7
NK Brand	NK8618-3120A-EZR	3120,A,B	86	171.6	22.0	3	526	11	172.0	150.7	182.3	177.0	176.3
Renk	RK408VT2P	VT2PB	90	170.8	21.9	1	523	14	170.5	154.4	171.9	177.1	180.2
Thunder	6888 VT2P	VT2PB	88	170.1	21.2	2	524	13	174.0	165.2	183.5	157.3	170.4
Dairyland	DS-6686	GT	87	169.3	21.1	6	522	15	181.3	130.9	186.9	176.5	171.1
Latham	LH3695VT2PRIB	VT2PB	86	167.5	20.1	2	521	17	170.0	154.8	173.1	173.6	165.9
Thunder	6987 VT2P	VT2PB	87	167.2	19.9	6	521	16	174.6	147.2	174.8	173.3	166.4
NK Brand	NK8920-3120-EZR	3120,B	89	166.8	21.6	4	512	21	172.2	163.3	159.3	163.7	175.5
Latham	LH3755VT2PRIB	VT2PB	87	166.5	21.0	1	514	18	171.4	156.9	166.2	171.9	166.2
Latham	LH3827VT2PRIB	VT2PB	88	166.5	21.5	1	513	20	165.1	159.4	172.2	169.2	166.8
Thunder	6986 VT2P	VT2PB	86	165.6	20.5	5	513	19	176.6	135.6	175.2	170.2	170.6
Integra	3718	VT2PB	87	164.7	21.4	2	506	25	180.4	153.8	168.3	160.2	160.9
Thunder	6090 3120	3120,B	90	164.3	21.8	2	504	26	163.4	146.1	170.7	166.4	175.1
Mustang	3287VT2PRIB GC	VT2PB	87	164.2	20.4	2	510	22	159.7	145.4	165.3	179.2	171.6
Renk	RK278VT2P	VT2PB	87	163.5	20.2	2	508	23	162.2	138.0	175.5	170.2	171.8
Renk	RK287VT2P	VT2PB	87	163.3	21.2	2	504	28	163.8	151.4	183.1	150.6	167.8
Integra	3629	VT2PB	86	163.2	20.0	4	508	24	162.3	135.6	174.6	187.0	156.5
Hefty	H3622VT2PRIB	VT2PB	86	163.1	21.1	1	503	29	169.4	147.4	160.6	161.3	177.0
Hefty	H3632VT2P	VT2P	86	162.8	20.5	1	504	27	164.0	132.5	183.9	164.9	169.0
Dairyland	DS-3030AM	AM	90	160.1	20.4	5	497	30	149.2	150.6	155.9	158.6	186.4
DeKalb	DKC40-78RIB CK	VT2PB	90	159.4	20.1	2	496	31	168.9	150.4	156.8	151.8	169.2
Averages =				164.6	21.1	3	508		168.2	148.6	167.9	166.5	171.8
LSD (0.10) =				6.7	0.4	2.3			12.2	11.9	15.0	16.8	11.0

FULL-SEASON TEST 91-95 Day CRM | Top 30 of 40 tested

Company/Brand	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Results in BOLD are significantly above test average.				
									Barnesville	Fairmount	Rothsay	Wendell	Wheaton
Golden Harvest	G95M41-3010	3010	95	184.7	22.8	2	562	1	191.8	169.3	197.2	176.1	189.1
Renk	RK561DGVT2P	VT2PDG	95	180.9	23.9	1	546	4	181.0	163.7	178.3	185.7	195.9
Latham	EX 4123 3010	3010	91	180.7	22.9	2	550	2	189.9	170.2	168.5	192.4	182.6
Titan Pro	82-95 2P	VT2PB	95	180.4	24.1	1	543	5	195.0	164.9	182.6	179.1	180.8
Enestvedt	E612RR	RR2	92	180.4	23.3	2	547	3	194.7	152.7	194.8	185.7	174.0
Dahlman	R48-28VT2PRIB	VT2PB	95	179.2	23.9	1	540	7	178.8	159.0	191.1	176.7	190.7
Proseed	1794VT2PRIB	VT2PB	94	178.4	23.0	5	541	6	189.5	161.8	184.0	177.7	178.9
Hefty	H4222VT2PRIB	VT2PB	92	178.2	24.0	1	537	8	169.2	171.9	182.4	181.3	186.5
Hefty	H4522VT2PRIB	VT2PB	95	177.7	25.1	1	531	14	161.7	163.0	184.4	183.2	196.4
Hefty	H4332VT2P	VT2P	93	176.7	23.4	2	535	9	182.3	159.0	185.1	179.8	177.2
Thunder	6992 VT2P	VT2PB	92	176.0	23.5	1	532	10	183.2	155.2	184.0	180.4	177.1
Hefty	H4322VT2PRIB	VT2PB	93	175.9	23.5	2	532	11	169.3	165.4	180.0	168.0	197.0
Renk	RK433VT2P	VT2P	92	175.8	23.9	1	530	16	170.6	161.7	17		

Corn Products Tested

Product/Brand	Technology	Maturity	RIB	Region(s) Tested
4805SSTAX	STX	98	N	MNWCa
4880SSTAX	STX,B	99	Y	MNWCb
4880VT2PRIB	VT2P,B	98	Y	MNSEa, MNWCa, SDNEb
4990VT2PRIB	VT2P,B	99	Y	MNSEa, MNSWa, MNWcb, SDNEb
4999VT2PRIB	VT2P,B	99	Y	SDNEb, WISOa
5000VT2P	VT2P	100	N	MNWcb
5280CONV	None	101	N	MNSEa, MNSWa, WISOa
5280VT2PRIB	VT2P,B	102	Y	MNSEa, MNWcb
5300VT2P	VT2P	103	N	MNSeb
5570CONV	None	105	N	MNSWb
5570VT2PRIB	VT2P,B	105	Y	MNSEb
Gold Country Seed / Bayer CropScience				
www.goldcountryseed.com 16506 MN-15, Hutchinson, MN 55350 (320) 587-1050				
101-60RSS	STX,B	101	Y	MNSEa, MNSWa, MNWcb
102-07RSS	STX,B	102	Y	MNSEb, MNSWb, MNWcb
102-88R2P	VT2P,B	102	Y	MNSEb, MNSWa, MNWcb
103-23RSS	STX,B	103	Y	MNSEb, MNSWb
104-11RSS	STX,B	104	Y	MNSEb, MNSWb
106-96RSS	STX,B	106	Y	MNSEb, MNSWb
89-59R2P	VT2P,B	89	Y	MNEC
90-71R2P	VT2P,B	90	Y	MNEC
92-45R2P	VT2P,B	92	Y	MNEC
94-19RSS	STX,B	94	Y	MNEC
95-33R2P	VT2P,B	95	Y	MNEC
97-75R2P	VT2P,B	97	Y	MNSEa, MNSWa
98-11R2P	VT2P,B	98	Y	MNSEa, MNSWa
99-30RSS	STX,B	99	Y	MNSEa, MNSWa, MNWcb
Golden Harvest Brand / Syngenta				
www.goldenharvestseeds.com 2001 Butterfield Road, Suite 1600, Downers Grove, IL 60515 (800) 944-7333				
G00H12-3010	3010	100	N	IANOU, MISOa, MITH, MIWC, MNSEa, MNWcb, NCTSa, SDNEb, SDSEA, WICEb, WISOa
G02K39-3120-EZR	3120,B	102	Y	IANCa, IANWa, MITH, MNSEb, MNWcb, NCTSa, SDSEA, WICEb, WISOa
G02W74-3000GT	3000GT	102	N	SDSEA, WICEb
G03R40-3110	3110	103	N	IANCa, IANWa, ILNOu, INNOa, MISOa, MITH, MIWC, MNSEb, NCTSa, OHNWa, SDSEb, WISOa
G04S19-3122-EZR	3122,B	104	Y	MISOb, NCTSa, SDSEb, WISOa
G05K08-3010A-EXR	3010,A	105	N	IAECa, IANCa, IANWa, IAWCa, ILNOu, MISOb, NCTSa, NENEa, SDSEb, WISOb
G80Q01-3110A	3110,A	80	N	RRCEa
G84J92-3120A-EZR	3120,A,B	84	Y	RRCEa
G85Z56-3220-EZR	3220,B	85	Y	NDSEa, RRCEa, RRSOa
G88F37-3120A-EZR	3120,A,B	88	Y	MNEC, NDSEa, RRCEb, RRSOa
G89A09-3120-EZR	3120,B	89	Y	MNEC, NDSEa, RRCEb, RRSOa
G90Y04-3220A-EZR	3220,A,B	92	Y	MNEC, RRCEb, SDNEa
G91V51-3110A	3110,A	91	N	MNEC, NDSEb, RRSOa, SDNEa
G95D32-3220-EZR	3220,B	95	Y	MITH, NDSEb, SDNEa, WICEa
G95M41-3010	3010	95	N	IANOU, MNEC, MNWCa, NDSEb, RRSOa
G97N86-3220-EZR	3220,B	97	Y	IANOU, MISOa, MNSEa, MNWca, SDNEb, WICEa
G98L17-3000GT	3000GT	98	N	SDNEb
Hefty Seed Company				
www.heftysseed.com 47504 252nd Street, Baltic, SD 5700 (866) 769-7200				
H3122VT2PRIB	VT2P,B	81	Y	RRCEa
H3322VT2PRIB	VT2P,B	83	Y	RRCEa
H4342VT2PRIB	VT2P,B	84	Y	RRCEa
H3532VT2P	VT2P	85	N	NDSEa, RRCEa, RRSOa
H3622VT2PRIB	VT2P,B	86	Y	NDSEa, RRSOa
H3632VT2P	VT2P	86	N	NDSEa, RRCEb, RRSOa
H3712VT2PRIB	VT2P,B	87	Y	NDSEa, RRCEb, RRSOa
H3922VT2PRIB	VT2P,B	89	Y	NDSEa, RRCEb, RRSOa
H4012VT2PRIB	VT2P,B	90	Y	RRCEb
H4032VT2P	VT2P	90	N	RRCEb, RRSOa
H4132VT2P	VT2P	91	N	NDSEb, RRSOa, SDNEa
H4222VT2PRIB	VT2P,B	92	Y	NDSEb, RRSOa, SDNEa



Corn Products Tested

Product/Brand	Technology	Maturity	RIB	Region(s) Tested
Latham Hi-Tech Seeds				
www.lathamsseeds.com 131 180th Street, Alexander, IA 50420 (877) 465-2842				
EX 3945 VT2P	VT2P	89	N	RRCEb, RRSOa
EX 4123 3010	3010	91	N	MNEC, RRSOa, SDNEa
EX 5035 VT2P	VT2P	100	N	IANOU, MNSEa, MNSWa, MNWcb, SDNEb, WICEb, WISOa
LH3035VT2PRIB	VT2P,B	80	Y	RRCEa
LH3151RR	RR2	81	N	RRCEa
LH3325VT2PRIB	VT2P,B	83	Y	RRCEa
LH3427GTCBLL	3010	84	N	RRCEa
LH3547VT2PRIB	VT2P,B	85	Y	RRCEa
LH3695VT2PRIB	VT2P,B	86	Y	RRCEb, RRSOa
LH3755VT2PRIB	VT2P,B	87	Y	MNEC, RRCEb, RRSOa
LH3827VT2PRIB	VT2P,B	88	Y	MNEC, RRCEb, RRSOa
LH3937VT2PRIB	VT2P,B	89	Y	MNEC, RRCEb, RRSOa
LH4375VT2PRIB	VT2P,B	93	Y	MNEC, MNWca, RRSOa, SDNEa, WICEa
LH4437VT2PRIB	VT2P,B	94	Y	MNWca, RRSOa, SDNEa
LH4454VT2PRIB	VT2P,B	94	Y	MNEC, RRSOa, SDNEa, WICEa
LH4517VT2PRIB	VT2P,B	95	Y	IANOU, MNEC, MNWca, RRSOa, SDNEa, WICEa
LH4657VT2PRIB	VT2P,B	96	Y	MNWca, SDNEb, WICEa
LH4795VT2PRIB	VT2P,B	97	Y	IANOU, MNWca, WICEa
LH4830	None	98	N	IANOU, MNSEa, MNSWa, SDSEa
LH4937VT2PRIB	VT2P,B	99	Y	IANOU, MNSEa, MNSWa, MNWcb, SDNEb, SDSEa, WICEb
LH5025VT2PDGRIB	VT2P,DG,B	100	Y	IANOU, MNWcb, SDNEb, SDSEa, WICEb
LH5077VT2PRIB	VT2P,B	100	Y	MNEa, MNSWa, SDSEa, WICEb, WISOa
LH5160	None	101	N	IANCa, IANWa, MNSEa, MNSWa
LH5245VT2PRIB	VT2P,B	102	Y	IANCa, IANWa, MNSEb, MNSWa, MNWcb, NCTSa, SDSEa, WICEb, WISOa
LH5377VT2PRIB	VT2P,B	100	Y	IANCa, IANOU, MNSEb, MNSWa, MNWcb, SDNEb, WISOa
LH5487VT2PRIB	VT2P,B	104	Y	IANCa, IANWa, MNSEb, MNSWa, NCTSa, SDSEb, WISOa
LH5517VT2PRIB	VT2P,B	105	Y	IANWa, IAWCa, MNSEb, MNSWa, NCTSa, SDSEb
LH5546-3220-EZR	3220,B	105	Y	MNSWa, NCTSa, WISOb
LH5635VT2PRIB	VT2P,B	106	Y	IANCa, IANWa, MNSEb, NCTSa, SDSEb, WISOb
LH5725VT2PRIB	VT2P,B	107	Y	IAECa, IANCb, IANWb, IAWCa, NCTSb, SDSEb, WISOb
LH5740	None	107	N	IANCb, IANWb, SDSEb
Miller Hybrids				
www.millerhybrids.com 2119 229th Place, Ames, IA 50014 (515) 292-1300				
M00-49	None	100	N	MNSWa, SDSEa
M05-72	None	105	N	MNSWb, SDSEb
M06-27	None	106	N	IANWa, SDSEb
M06-39	None	106	N	IANWa, SDSEb
M97-34	None	97	N	MNSWa
M97-40	None	97	N	MNSWa
M98-70	None	99	N	SDSEa
Mustang Seeds				
www.mustangseeds.com 1021 SW 10th Street, PO Box 466, Madison, SD 57042 (800) 952-3234				
2283VT2PRIB	VT2P,B	83	Y	NDSEa
2290VT2PRIB	VT2P,B	90	Y	NDSEa, RRCEb, RRSOa
2291VT2PRIB	VT2P,B	91	Y	RRCEb
3287VT2PRIB	VT2P,B	87	Y	NDSEa, RRCEb, RRSOa
3294VT2PRIB	VT2P,B	94	Y	NDSEb
4291VT2PRIB	VT2P,B	91	Y	NDSEb
5294VT2PRIB	VT2P,B	94	Y	RRSOa
NK Brand / Syngenta				
www.nkseeds.com 2001 Butterfield Road, Suite 1600, Downers Grove, IL 60515 (800) 258-0521				
NK0243-3120-EZR	3120,B	102	Y	IANCa, IANWa, MISOa, MITH, MIWC, MNSEb, MNSWb, MNWcb, NCTSa, SDSEa, WICEb, WISOa
NK0330-3120-EZR	3120,B	103	Y	ILNOU, SDSEb
Proseed, Inc.				
www.proseed.net 705 E Brewster Harvey, ND 58341 (800) 776-3121				
1591VT2PRIB	VT2P,B	91	Y	NDSEb, RRSOa
1787VT2PRIB	VT2P,B	87		

Soybean Regions: MNSC, MNCE

Go to page 8 to see **How to Use This Book**

Product/Brand	Technology	Maturity	RIB	Region(s) Tested
2A872	VT2PB	87	Y	NDSEa, RRCEb, RRSOa
2B861	VT2PB	86	Y	NDSEa
2B862	VT2PB	86	Y	NDSEa, RRCEb, RRSOa
3A891	STX,B	89	Y	NDSEa, RRCEb, RRSOa
3B902	VT2PB	90	Y	NDSEa, RRCEb, RRSOa
5A010	STX,B	101	Y	SDSEa
5A023-RIB	STX,B	102	Y	SDSEa
5A982-RIB	STX,B	98	Y	SDSEa
5B984	VT2PB	98	Y	SDSEa
6A050-RIB	STX,B	105	Y	SDSEb
6A063	STX,B	106	Y	SDSEb
6B071-RIB	VT2PB	107	Y	SDSEb
6D042	VT2PDG,B	104	Y	SDSEb
6D054	VT2PDG,B	105	Y	SDSEb

Renk Seed Co.
www.renksseed.com
6809 Wilburn Road, Sun Prairie, WI 53590
(800) BUY-RENK



Titan Pro SCI, Inc.
www.titanprosci.com
1301 S 24th Street, Clear Lake, IA 50428
(641) 357-7283



70-98	None	98	N	MNSEa, MNSWa, SDSEa
82-04 2P	VT2PB	104	Y	IANCa, IANWa, MNSEb, MNSWb, NCTSa, WISOa
82-90 2P	VT2PB	90	Y	MNEC, RRCEb, RRSOa
82-95 2P	VT2PB	95	Y	IANOU, MNEC, MNWCa, RRSOb, SDNEa, WICEa
84-01	None	101	N	MNSEa, MNSWa, SDSEa
84-03 2P	VT2PB	103	Y	MNSEb
85-96	None	96	N	IANOU, MNSEa, MNSWa
86-96 2P	VT2PB	96	Y	IANOU, MNWCa, WICEa
90-94 2P	VT2PB	94	Y	MNEC, MNWCa, RRSOb, SDNEa, WICEa
91-00	None	100	N	IANOU, MNSEa, MNSWa, SDSEa
91-02	None	102	N	IANCa, IANWa, MNSEb, MNSWb, SDSEa
91-07	None	107	N	IANCb, IANWb, SDSEb
92-99 2P	VT2PB	99	Y	IANOU, MNSEa, MNSWa, MNWCb, WICEb, WISOa
96-06 2P	VT2PB	106	Y	IAEcA, IANCa, IANWa, IAWCa, MNSEb, MNSWb, NCTSa, WISOb
TP 40-03	None	103	N	IANCa, IANWa, MNSWb
TP 70-06	None	106	N	IANCa, IANWa, MNSEb, MNSWb, SDSEb
TP 75-01 SS	STX,B	101	Y	MNWCb

Albert Lea Seed House, Inc.
www.alseed.com
1414 W Main Street, PO Box 127, Albert Lea, MN 56007
(800) 352-5247



42-05	None	105	N	IANCa, IANWa, MNSEb, MNSWb, SDSEb
44-98	None	98	N	IANOU, MNSEa, MNSWa, SDSEa
46-96	None	96	N	IANOU, MNSEa, MNSWa, SDSEa
51-04	None	104	N	IANCa, IANWa, MNSEb, MNSWb, SDSEb
52-00	None	100	N	IANOU, MNSEa, MNSWa
55-02	None	102	N	IANCa, IANWa, MNSEb, MNSWb, SDSEa
84-05	None	105	N	IANCa, IANWa, MNSEb, MNSWb, SDSEb
99-00	None	100	N	IANOU, MNSEa, MNSWa, SDSEa

Wyffels Hybrids, Inc.
www.wyffels.com
13344 US Highway 6, Geneseo, IL 61254
(800) 369-7833



W1636RIB	VT2PB	96	Y	IANOU, MNSWa, SDSEa
W2196RIB	VT2PB	99	Y	IANOU, MNSWa, SDSEa
W2236	VT2P	99	N	IANOU, ILNOU, MNSWa, SDSEa, WISOa
W2506RIB	VT2PB	101	Y	IANCa, IANWa, ILNOu, MNSWa, NCTSa, SDSEa, WISOa
W4196RIB	VT2PB	105	Y	IANCa, IANWa, ILNOu, MNSEb, MNSWb, NCTSa, SDSEb, WISOb
W4358RIB	STX,B	106	Y	IANCa, IANWa, ILNOa, MNSEb, MNSWb, NCTSa, WISOb
W4638	STX	107	N	IANCb, ILECa, ILNOa, ILWCa, MNSEb, MNSWb, NCTSb, SDSEb, WISOb
W5086	VT2P	107	N	IAEcA, IANCb, IANWa, ILWCa, ILECa, ILNOa, ILWCa, MNSEb, MNSWb, NCTSb, SDSEb, WISOb
W5516RIB	VT2PB	108	Y	IAEcA, IANCb, IANWa, IASOa, IAWCa, SDSEb, WISOb
W5626RIB	VT2PB	108	Y	IAEcA, IANWb, IASOa, IAWCa, ILECa, ILWCa, SDSEb

Terral Seed, Inc.
www.terraseed.com
117 Ellington Dr, Rayville, LA 71269
(800) 551-4852



REV 1247AM AM 101 N MNSEb, MNSWb

REV 1587AM AM 105 N MNSEb, MNSWb



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



9140-G GT 82 N RRCEa

9212-10 3010,A 89 N RRCEb, RRSOa



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

6004 VT2P	VT2PB	104	Y	SDSEb
6081 3220	3220,B	81	Y	RRCEa
6085 VT2P	VT2PB	85	Y	RRCEa, RRSOa
6090 3120	3120,B	90	Y	MNEC, NDSEa, RRCEb, RRSOa
6094 VT2P	VT2PB	94	Y	MNEC, MNWCa, NDSEb, RRSOb, SDNEa, WICEa
6098 VT2P	VT2PB	98	Y	MNWCa, SDNEb, SDSEa, WICEa
6595 VT2P	VT2PB	95	Y	MNEC, MNWCa, NDSEb, RRSOb, SDNEa, WICEa
6782 VT2P	VT2PB	82	Y	RRCEa

Ed Dahle, FIRST Field Manager

NewVenture, LLC
8389 SW 95th Ave, Ellendale, MN 56026
(507) 456-6624
ed.dahle@firstseedtests.com



MNNC

Minnesota North Central



MNCE

Minnesota Central

Site Description: MNNC (See soybean results table on page 26)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
Albany	Mitch Oveman	loam	conventional	corn	30	03-Jun	133.8	46.8	52.3	3
Clear Lake	Ryan Peterson	loamy sand	conventional	corn	30	16-May	134.5	48.6	49.5	1
Royalton	Kenny Kasella	loamy sand	conventional	corn	30	04-Jun	134.4	45.1	—	new site
Wendell	Chad Biss	clay loam	conventional	corn	30	31-May	—	—	48.8	2
									MNNC	47.0
										3

Site Description: MNCE (See soybean results table on page 26)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
Stand x 1,000	Yield	Bu/A	#Years							

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Soybean Results: MNNC (See site description on page 25)

ALL-SEASON TEST | MATURITY GROUP 0.6–1.5 | Top 30 of 72 tested

Company/ Brand	Product/Brand	Technology	Maturity	Results in BOLD are significantly above test average.									
				Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Albany	Clear Lake	Royalton†	Wendell‡
NK Brand	S12-R3	RR2Y	1.2	56.2	—	—	14.6	0	482	54.0	53.0	61.7	36.5
Titan Pro	15GL9	LG27	1.5	52.9	—	—	15.8	1	454	44.6	65.7	48.5	36.0
Latham	L 1359 LLGT27	LG27	1.3	51.7	—	—	15.4	2	442	49.6	59.4	46.0	35.4
Golden Harvest	GH1538X	RRX	1.5	51.0	—	—	14.6	2	436	51.7	54.4	47.0	38.5
Renk	RS153NR2	RR2Y	1.5	51.0	—	—	14.7	2	437	48.8	52.3	51.9	40.0
Latham	L 1429 LLGT27	LG27	1.4	50.8	—	—	14.7	2	435	51.9	50.6	50.0	33.7
Thunder	SB8010N	RRX	1.0	50.7	—	—	14.5	2	434	45.4	53.7	52.8	33.2
Thunder	TE7013N	E3	1.3	50.5	—	—	15.3	5	432	51.9	56.6	43.1	37.7
Dyna-Gro	S11XT78	RRX	1.1	50.3	—	—	14.7	1	430	48.6	52.8	49.6	39.4
Thunder	SB8814N	RRX	1.4	50.3	—	—	14.3	0	430	51.2	48.3	51.3	38.7
Proseed	XT 90-90N	RRX	0.9	49.9	—	—	14.5	0	429	42.9	49.8	57.2	41.2
Dahlman	6014XN	RRX	1.4	49.9	—	—	14.7	0	428	47.6	48.1	54.2	35.3
Asgrow	AG11X8 U	RRX	1.1	49.7	—	—	14.4	0	426	49.3	49.8	50.1	30.6
NK Brand	S14-A6	RR2Y	1.4	49.7	—	—	14.7	0	426	44.8	52.9	51.4	35.4
Dyna-Gro	S13XT89	RRX	1.3	49.6	—	—	14.2	0	425	48.9	57.0	43.0	38.7
Federal	1409N LLGT+	LG27	1.4	49.6	—	—	14.5	2	424	51.3	50.0	47.6	42.4
Enestvedt	E1418RR2	RR2Y	1.4	49.5	—	—	14.6	5	423	50.5	57.2	40.8	31.3
Hefty	H10XO	RRX	1.0	49.4	—	—	14.6	1	422	51.6	46.3	50.3	30.9
Credenz	CZ 1470GTL	LG27	1.4	49.3	—	—	16.0	2	422	46.3	54.4	47.2	35.5
Latham	L 1595 E3	E3	1.5	49.1	—	—	14.9	1	420	48.2	52.2	47.0	44.0
Latham	L 1392 E3	E3	1.3	48.9	—	—	15.0	5	418	49.4	50.7	46.6	37.4
NK Brand	S14-B2X	RRX	1.4	48.8	—	—	14.6	2	419	43.8	56.9	45.8	37.5
Latham	L 1039 R2X	RRX	1.0	48.7	—	—	14.3	1	418	45.2	52.2	48.9	39.2
Dyna-Gro	S09XT50	RRX	0.9	48.7	—	—	14.4	0	418	44.1	52.9	49.1	38.8
Pioneer	P08A72X U	RRX	0.8	48.6	—	—	14.4	2	416	48.4	41.8	55.7	28.4
Thunder	SB8009N	RRX	0.9	48.6	—	—	14.4	1	416	52.4	48.3	45.2	37.4
Credenz	CZ 1549GTL	LG27	1.5	48.5	—	—	17.4	2	415	44.6	59.5	41.4	31.2
NK Brand	S10-H7X	RRX	1.0	48.4	—	—	14.7	0	415	45.7	44.3	55.3	36.0
Hefty	H14X0	RRX	1.4	48.3	—	—	15.2	4	413	44.5	49.5	50.8	38.5
Hefty	Z1401E	E3	1.4	48.2	—	—	15.9	3	412	49.5	52.8	42.4	37.2
Averages =				47.0	—	—	14.5	2	401	46.8	48.6	45.1	34.9
LSD (0.10) =				4.6	—	—	0.5	3.1	4.6	8.6	4.9	5.7	

‡3 replications; *lost, plot accidentally harvested by others

Soybean Results: MNCE (See site description on page 25)

ALL-SEASON TEST | MATURITY GROUP 1.3–2.0 | Top 30 of 81 tested

Company/ Brand	Product/Brand	Technology	Maturity	Results in BOLD are significantly above test average.									
				Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Clinton*	Lester Prairie†	Starbuck	Winthrop‡
Golden Harvest	GH1915X	RRX	1.9	48.9	—	—	15.0	0	422	—	58.2	45.8	42.6
Credenz	CZ 1470GTL	LG27	1.4	48.4	—	—	15.7	0	418	—	56.2	47.0	41.9
Asgrow	AG17X8 U	RRX	1.7	47.8	—	—	15.2	0	414	—	51.9	45.5	46.2
Federal	I95N	RR2Y	1.9	47.5	—	—	15.1	0	411	—	53.0	44.8	44.6
Proseed	EL 91-33N	E3	1.3	47.3	—	—	15.2	0	409	—	49.5	51.4	41.1
Titan Pro	18GL8	LG27	1.8	47.2	—	—	15.4	0	408	—	53.8	43.7	44.0
Pioneer	P18A98X U	RRX	1.8	46.9	—	—	15.2	0	405	—	50.0	49.5	41.2
Hefty	Z1300E	E3	1.3	46.8	—	—	15.2	0	404	—	49.2	49.1	42.0
Anderson	217RXT	RRX	2.0	46.8	—	—	15.3	0	404	—	51.2	45.2	43.9
Latham	L 2084R2	RR2Y	2.0	46.8	—	—	15.4	0	404	—	51.2	47.0	42.1
NK Brand	S21-W8X	RRX	2.1	46.7	—	—	15.1	0	404	—	55.1	41.1	44.1
Latham	L 1748R2	RR2Y	1.7	46.5	—	—	15.0	0	402	—	51.7	49.2	38.6
Federal	1690N	RRX	1.6	46.3	—	—	15.2	0	401	—	48.2	49.0	41.9
Titan Pro	TP-16X88	RRX	1.6	45.9	—	—	15.0	0	397	—	53.4	45.1	39.4
Hefty	Z1600E	E3	1.6	45.8	—	—	15.2	0	396	—	50.6	45.7	41.2
Latham	L 1595 E3	E3	1.5	45.1	—	—	15.2	0	390	—	48.1	45.8	41.4
Titan Pro	1.50E+10	E3	1.5	45.0	—	—	15.3	0	388	—	45.9	48.0	41.0
Latham	L 1648 LLGT27	LG27	1.6	44.8	—	—	15.2	0	388	—	56.7	37.9	39.8
Gold Country	2038X	RRX	2.0	44.8	—	—	15.0	0	387	—	48.6	39.7	46.0
Anderson	179RXT	RRX	1.7	44.7	—	—	15.3	0	386	—	47.3	46.4	4

Soybean Results: MNSC (See site description on page 27)

EARLY-SEASON TEST | MATURITY GROUP 1.5–1.8 | Top 30 of 36 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Results in BOLD are significantly above test average.									
				Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Cannon Falls [‡]	Madison Lake [‡]	Nerstrand [‡]	Wabasso [‡]
Hefty	Z1401E	E3	1.4	63.3	34.6	17.9	13.0	0	552	57.9	59.7	74.9	60.7
Latham	L 1858R2	RR2Y	1.8	62.9	33.9	18.2	12.4	0	550	58.5	58.5	72.7	61.8
NK Brand	S18-H3X U	RRX	1.8	62.1	35.0	18.0	11.8	0	543	63.1	59.4	67.0	58.9
Titan Pro	15GL9	LG27	1.5	61.6	34.7	18.6	12.1	0	539	69.6	49.6	71.2	56.0
Golden Harvest	GH1619X U	RRX	1.6	61.1	32.1	19.2	12.1	0	534	62.6	52.8	70.8	58.1
Latham	L 1648 LLGT27	LG27	1.6	60.9	34.6	18.7	12.0	0	532	71.7	49.0	70.7	52.1
NK Brand	S18-G4X U	RRX	1.8	60.7	34.4	17.9	12.3	1	531	58.0	56.9	66.8	61.1
Titan Pro	TP-16X88	RRX	1.6	60.4	35.5	18.4	12.1	0	528	66.5	51.9	66.8	56.5
Dyna-Gro	S17XT29	RRX	1.7	60.3	35.6	18.3	12.1	0	528	64.7	50.7	70.5	55.4
Renk	RS170NX	RRX	1.6	60.1	34.8	18.5	12.4	0	526	63.8	48.3	72.4	56.1
Credenz	CZ 1660GTLL	LG27	1.6	60.0	34.5	18.6	12.2	0	525	72.8	51.9	62.4	52.8
Genesis	G1680GL	LG27	1.6	59.9	34.5	18.7	12.3	0	523	67.8	43.7	70.3	57.7
Credenz	CZ 1549GTLL	LG27	1.5	59.4	33.5	18.8	13.0	0	518	53.9	58.4	63.7	61.6
Anderson	179RXT	RRX	1.7	59.0	35.3	18.4	11.7	0	516	64.1	52.9	63.3	55.7
Hefty	H18X8	RRX	1.8	58.9	35.1	18.1	11.8	0	515	56.2	55.9	67.0	56.4
Titan Pro	18GL8	LG27	1.8	58.6	34.2	18.7	12.4	0	512	64.7	46.9	63.4	59.3
Renk	RS153NR2	RR2Y	1.5	58.6	34.4	18.8	12.1	0	512	56.6	52.1	70.1	55.4
Anderson	180RXT	RRX	1.8	58.5	34.8	18.4	12.1	0	512	59.9	49.8	67.3	57.1
Golden Harvest	GH1538X U	RRX	1.5	58.4	35.3	18.0	12.0	0	511	61.9	50.9	67.7	53.3
Stine	17GA62 U	LG27	1.7	58.2	34.0	18.7	11.8	0	509	63.4	52.4	63.6	53.5
Stine	15GA20 U	LG27	1.5	57.5	34.0	18.3	12.0	0	503	57.6	48.4	68.0	56.1
Latham	L 1793 LLGT27	LG27	1.7	57.3	34.2	18.8	12.1	0	501	63.4	44.7	65.8	55.5
Dyna-Gro	S18XT38	RRX	1.8	57.1	35.0	18.1	11.9	0	499	55.4	49.2	66.5	57.3
Anderson	159RXT	RRX	1.5	57.0	34.7	17.4	11.6	0	499	62.7	44.5	64.5	56.5
Credenz	CZ 1859GTLL	LG27	1.8	57.0	34.1	18.8	11.8	0	499	61.6	51.3	59.5	55.5
Cornelius	CB18X80 GC	RRX	1.8	57.0	35.1	18.2	12.2	0	498	56.5	44.7	69.9	56.8
Credenz	CZ 1850GTLL	LG27	1.8	56.9	34.2	18.3	12.7	0	496	51.0	55.5	64.9	56.2
Federal	1909N LLGT+	LG27	1.8	56.5	33.9	18.8	11.9	0	494	61.5	50.4	61.0	53.0
Anderson	18LG20	LG27	1.8	56.5	34.2	18.8	12.1	0	494	62.4	51.8	60.9	50.8
Pioneer	P15T46R2 U	RR2Y	1.5	56.0	34.4	18.1	11.9	0	490	60.1	46.3	64.0	53.7
Asgrow	AG17X8 CK	RRX	1.7	61.1	34.0	18.8	11.9	0	535	66.3	58.1	65.9	54.3
Averages =				58.3	34.5	18.3	12.2	0	510	59.9	50.9	66.1	56.3
LSD (0.10) =				4.1	0.4	0.3	0.5	ns		5.0	6.1	3.6	3.6

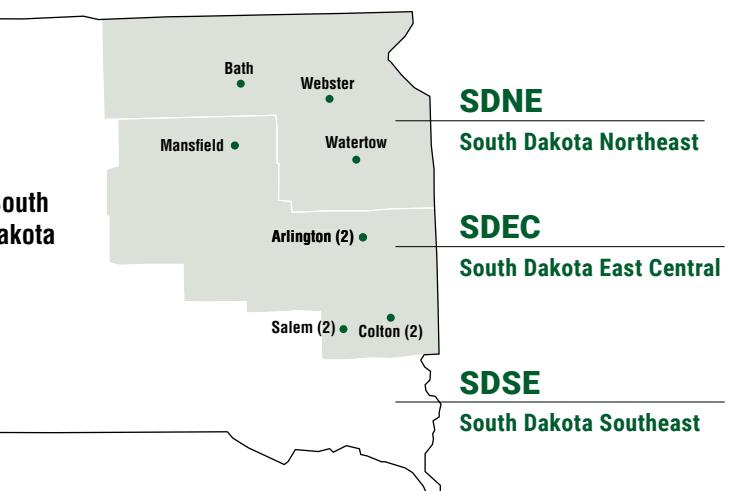
FULL-SEASON TEST | MATURITY GROUP 1.9–2.2 | Top 30 of 42 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Results in BOLD are significantly above test average.									
				Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Cannon Falls [‡]	Madison Lake [‡]	Nerstrand [‡]	Wabasso [‡]
Asgrow	AG20X9 U	RRX	2.0	66.9	33.6	18.1	12.1	0	585	66.3	58.8	71.0	71.7
Gold Country	2249X	RRX	2.2	65.7	33.7	19.0	15.5	0	567	68.2	61.0	70.6	63.0
Asgrow	AG21X9 U	RRX	2.1	65.5	34.2	18.8	13.5	1	570	61.3	63.2	73.7	63.9
Hefty	Z2000E	E3	2.0	63.9	35.1	17.9	12.9	0	557	62.1	61.1	74.5	58.0
NK Brand	S21-W8X U	RRX	2.1	63.5	34.6	18.3	11.9	0	556	65.0	62.0	70.0	57.3
Golden Harvest	GH2230X U	RRX	2.2	63.3	34.3	18.7	12.3	0	554	63.3	59.1	72.4	58.6
Pioneer	P21A28X U	RRX	2.1	63.3	34.1	18.8	12.9	0	553	67.0	59.9	66.4	60.1
NK Brand	S20-J5X U	RRX	2.0	63.0	34.9	18.1	12.3	0	550	66.4	62.1	62.3	61.3
Dyna-Gro	S21EN70	E3	2.1	62.6	34.6	18.5	13.4	0	546	62.5	61.0	70.3	56.8
Renk	RS207NX	RRX	2.0	62.6	35.0	18.2	11.9	0	547	62.4	61.7	69.0	57.4
Gold Country	1939X	RRX	1.9	62.2	33.9	19.0	12.7	0	544	63.2	58.7	67.7	59.4
Federal	2280N R2X	RRX	2.2	62.2	33.9	19.1	12.5	0	544	62.3	60.4	70.1	56.0
Gold Country	2038X	RRX	2.0	62.2	34.9	18.1	12.2	0	544	62.2	60.2	67.2	59.2
Latham	L 2193 E3	E3	2.1	62.1	34.6	17.6	14.0	0	539	53.6	62.1	71.3	61.4
Golden Harvest	GH2041X U	RRX	2.0	62.0	34.9	18.1	12.1	0	543	63.5			



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Site Description: SDNE (See soybean results table on page 31)

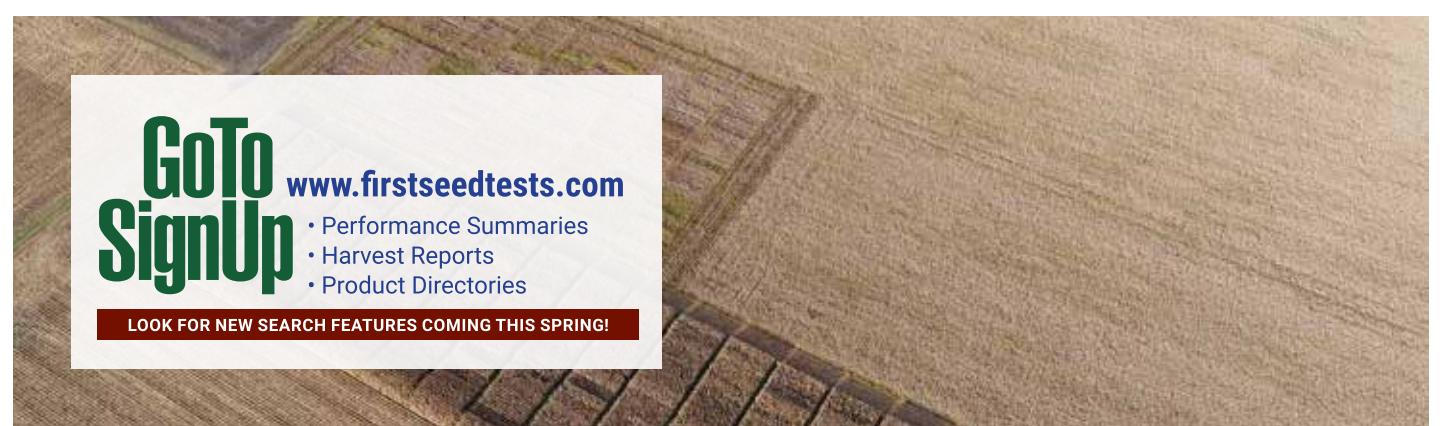
Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
Arlington	Tim Bjorklund	silty clay loam	no-till	corn	30	05-Jun	—	—	53.1	7
Bath	Scott Sperry	silt loam	no-till	corn	30	16-May	109.6	45.7	52.8	13
Mansfield	Scott Sperry	silt loam	no-till	corn	30	16-May	—	—	new site	
Webster	Fred Zenk	silty clay	no-till	oat	30	30-May	108.4	47.1	38.8	12
							SDNE	48.7	14	

Site Description: SDEC (See soybean results table on page 31)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
Arlington	Tim Bjorklund	silty clay loam	no-till	corn	30	23-May	—	—	53.1	7
Colton	Floyd Snoozy	silty clay loam	minimum	corn	30	26-May	106.1	54.6	62.7	9
Salem	Ernie Christensen	clay loam	conventional	corn	30	12-Jun	106.2	44.5	54.8	10
Watertown	Myron Keltgen	silty clay loam	no-till	corn	30	06-Jun	110.1	41.9	49	5
							SDEC	53.8	14	

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2015-2019

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2019	2018	2017	2016	2015	Bu/A	#Years
SDNE	46.4	55.3	49.8	51.4	53.3	48.7	14
SDEC	47.0	57.8	61.5	60.2	52.3	53.8	14



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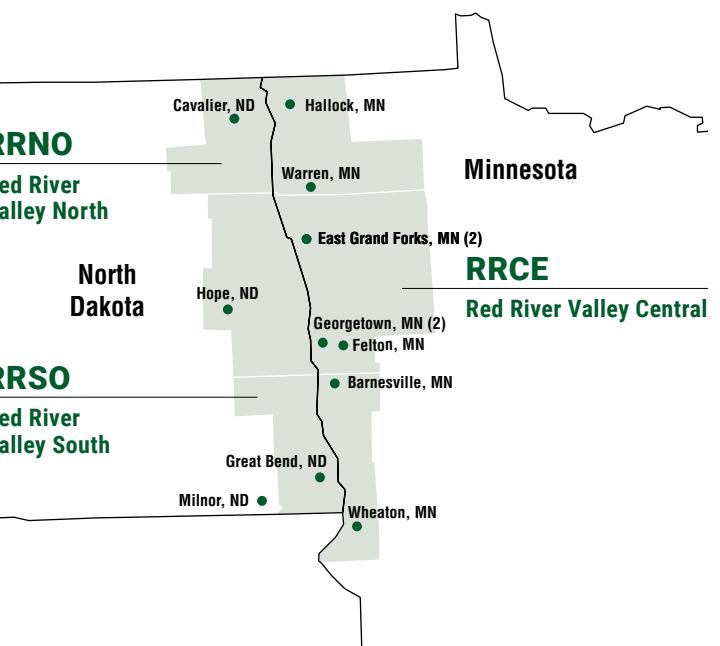
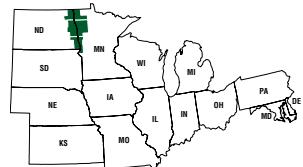
Soybean Results: SDNE (See site description on page 30)

ALL-SEASON TEST | MATURITY GROUP 1.0-1.7 | Top 30 of 54 tested

Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Results in BOLD are significantly above test average.			
										Arlington*	Bath	Mansfield*	Webster†
Asgrow	AG10X9 U	RRX	1.0	54.9	34.0	17.7	15.7	1	463	24.9	56.5	—	53.2
Asgrow	AG17X8 U	RRX	1.7	54.1	33.0	19.0	15.2	1	457	23.6	52.2	—	56.0
NK Brand	S14-U9X U	RRX	1.4	54.0	34.2	18.0	15.5	1	456	27.4	56.6	—	51.4
Renk	RS153NR2	RR2Y	1.5	53.3	34.0	18.8	15.7	1	450	32.7	50.2	—	56.4
Latham	L 1648 LLGT27	LG27	1.6	52.9	33.7	18.7	15.8	1	446	24.1	47.9	—	58.0
REA	RX1529	RRX	1.5	51.5	34.3	18.0	15.4	1	435	22.8	54.4	—	48.6
Latham	L 1769R2X	RRX	1.7	51.0	34.2	18.6	15.7	1	430	22.4	49.6	—	52.3
Asgrow	AG11X8 U	RRX	1.1	50.6	34.1	17.7	15.7	1	427	27.5	50.3	—	50.9
Golden Harvest	GH0936X	RRX	0.9	50.4	32.4	18.5	15.6	3	425	33.7	51.2	—	49.6
Stine	09EA02 U	E3	0.9	50.1	34.3	17.6	15.6	1	423	26.8	43.9	—	56.4
Renk	RS100NX	RRX	1.0	50.1	32.4	18.8	15.5	1	423	27.4	52.1	—	48.1
Thunder	TE7017N	E3	1.7	50.1	33.8	17.9	16.4	1	422	32.8	47.0	—	53.2
Latham	L 1673R2	RR2Y	1.6	50.0	33.8	18.0	15.5	1	422	38.1	52.2	—	47.8
Renk	RS149NX	RRX	1.4	49.3	33.3	18.0	15.6	1	416	29.4	54.3	—	44.3
Hefty	H14X0	RRX	1.4	48.9	33.2	18.4	15.4	1	413	31.1	49.0	—	48.9
Hefty	H16X1	RRX	1.6	48.7	34.3	18.2	15.7	1	411	36.6	54.1	—	40.2
Stine	15GA20 U	LG27	1.5	48.4	33.4	18.2	15.8	3	408	40.6	48.3	—	48.5
Golden Harvest	GH1317X	RRX	1.3	48.4	32.5	18.7	15.4	1	409	31.8	46.8	—	50.0
Thunder	TE7910N	E3	1.0	48.0	34.0	17.8	15.4	1	405	27.5	42.2	—	53.8
Hefty	H16X8	RRX	1.6	48.0	33.4	18.8	15.7	1	405	25.5	50.3	—	45.7
Latham	L 1793 LLGT27	LG27	1.7	47.7	33.4	18.6	15.6	1	403	37.7	43.6	—	51.9
REA	RX1739	RRX	1.7	47.6	32.9	18.8	15.7	1	402	41.3	43.8	—	51.5
Credenz	CZ 1280GTLL	LG27	1.2	47.3	35.1	18.9	15.3	1	399	18.4	45.2	—	49.3
Golden Harvest	GH1538X	RRX	1.5	47.1	34.3	18.2	15.7	1	398	36.6	54.1	—	40.2
REA	RX1027	RRX	1.0	47.0	33.9	17.9	15.5	1	397	24.4	43.1	—	50.9
Pioneer	P08A72X U	RRX	0.8	46.9	32.9	18.7	15.4	1	396	21.1	46.3	—	47.6
Renk	RS170NX	RRX	1.6	46.8	34.2	18.7	15.5	1	395	15.7	46.1	—	47.6
Dyna-Gro	S16XT58	RRX	1.6	46.5	33.5	18							

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**Site Description: RRNO** (See soybean results table on page 33)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
Cavalier	Kent Schluchter	silty clay	conventional	corn	30	21-May	128.6	35.6	34.3	1
East Grand Forks	Matthew Krueger	silty clay loam	conventional	wheat	30	30-May	128.8	32.2	45.4	2
Hallock	Jackson Klein	clay	conventional	wheat	30	21-May	128.7	33.6	—	new site
Warren	Nathan Potechek	sandy loam	no-till	wheat	30	20-May	—	—	39.6	1
							RRNO	38.6	4	

Site Description: RRCE (See soybean results table on page 33)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
East Grand Forks	Matthew Krueger	silty clay loam	conventional	wheat	30	30-May	128.3	32.4	45.4	2
Felton	Curtis Brendemuhl	loam	conventional	wheat	30	29-May	—	—	—	new site
Georgetown	Curtis Brendemuhl	silty clay	conventional	wheat	30	29-May	128	38.6	47.2	1
Hope	Jeff Juliuson	loam	conventional	corn	30	30-May	128.7	38.5	48.2	1
							RRCE	41.7	6	

Site Description: RRSO (See soybean results table on page 34)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Row Width (in)	Date Planted	Average		Yield History	
							Stand x 1,000	Yield	Bu/A	#Years
Barnesville	Nate Thompson	clay loam	no-till	corn	30	01-Jun	—	—	—	new site
Great Bend	Tim Fenske	silty clay loam	conventional	corn	30	03-Jun	—	—	49.8	7
Milnor	Todd Larson	loam	conventional	corn	30	01-Jun	127.5	41	—	new site
Wheaton	Chester Raguse	silt loam	conventional	corn	30	06-Jun	128.6	35.5	42.5	3
							RRSO	43.7	6	

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2015-2019

FIRST Region	Average Yield by Year (Bu/A)					Since Inception	
	2019	2018	2017	2016	2015	Bu/A	#Years
RRNO	33.8	36.9	35.9	48.1	—	38.6	4
RRCE	36.5	46.3	43.7	44.6	40.3	41.7	6
RRSO	38.2	47.6	41.4	53.6	43.2	43.7	6

Soybean Results: RRNO (See site description on page 32)

ALL-SEASON TEST | MATURITY GROUP 00.7–0.4 | Top 30 of 50 tested

Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Cavalier†	East Grand Forks	Hallock	Warren#
Renk	RS039NX	RRX	0.3	40.0	32.1	17.5	14.5	3	325	40.6	35.0	44.4	23.1
Asgrow	AG02X8 U	RRX	0.2	39.1	31.7	18.5	14.5	2	318	38.5	35.9	43.1	29.1
Golden Harvest	GH00866	RR2Y	0.1	38.3	31.2	19.3	14.4	2	311	38.5	37.1	39.3	19.5
Thunder	SB87009	RRX	0.1	38.3	31.9	17.5	14.6	4	310	33.6	39.2	42.1	28.7
Dyna-Gro	SO3XT29	RRX	0.3	38.3	31.6	18.2	14.9	2	311	39.7	34.0	41.1	23.1
Proseed	EL 80-093	E3	0.1	38.1	31.6	18.2	14.9	3	309	39.0	36.7	38.5	24.2
Mycogen	5B024R2 U	RR2Y	0.2	38.0	32.5	17.8	14.7	3	308	34.0	37.6	42.3	25.4
Thunder	SB8903N	RRX	0.3	37.6	31.8	17.8	14.5	1	305	37.3	35.6	39.9	24.6
Proseed	XT 80-20N	RRX	0.2	36.9	31.8	17.7	14.6	3	300	40.1	31.9	38.8	25.6
Thunder	TE7904	E3	0.4	36.8	32.7	18.1	14.6	3	298	36.7	33.9	39.8	24.3
Stine	03GA03 U	LG27	0.3	36.7	33.7	17.6	14.9	3	297	40.2	36.5	33.5	24.7
Credenz	CZ 0309GTLL	LG27	0.3	36.6	33.2	17.7	14.8	1	297	41.4	34.9	33.5	27.2
Hefty	H04E8	E3	0.4	36.5	32.3	18.7	14.5	1	296	39.1	34.8	35.6	25.0
Dahlman	6903XN	RRX	0.3	36.4	31.8	17.7	14.5	2	295	34.6	36.2	38.5	25.7
Dyna-Gro	S009XT68	RRX	0.1	36.3	32.1	17.3	14.5	3	295	38.0	34.5	36.5	25.8
Mycogen	5B033R2 U	RR2Y	0.3	36.1	31.5	18.3	14.4	6	293	40.5	29.4	38.4	27.3
Latham	L 0282R2X	RRX	0.2	35.9	31.8	17.7	14.4	3	291	40.0	35.6	32.0	30.7
Thunder	ASTRO	RR2Y	0.1	35.8	32.3	17.8	14.5	2	291	33.1	37.8	36.6	21.5
Proseed	EL 80-23	E3	0.2	35.7	32.5	17.6	14.7	2	29				

Soybean Results: RRSO (See site description on page 32)

ALL-SEASON TEST | MATURITY GROUP 0.6–1.4 | Top 30 of 60 tested

Company/ Brand	Product/Brand	Technology	Maturity	Results in BOLD are significantly above test average.									
				Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Barnesville#	Great Bend*	Milnor	Wheaton
Proseed	EL 91-23N	E3	1.2	47.7	33.8	17.2	13.6	0	388	29.7	—	49.4	45.9
Credenz	CZ 0729GTLL	LG27	0.7	45.9	34.3	17.5	13.4	1	374	27.0	—	45.3	46.5
Asgrow	AG11X8 U	RRX	1.1	44.2	34.1	17.9	13.7	0	360	28.3	—	50.8	37.6
Thunder	TE7011N	E3	1.1	44.2	34.4	17.9	13.8	1	360	31.2	—	46.1	42.2
Latham	L 1192 E3	E3	1.1	43.6	33.1	17.6	13.7	1	355	27.3	—	44.8	42.5
Latham	L 1359 LLGT27	LG27	1.3	43.6	32.5	19.0	14.2	0	354	29.6	—	42.4	44.8
Golden Harvest	GH1317X	RRX	1.3	43.4	32.2	18.9	13.2	1	353	24.9	—	51.2	35.5
NK Brand	S12-R3	RR2Y	1.2	43.3	34.5	18.2	13.7	0	352	29.7	—	43.4	43.1
Titan Pro	1.30E+10	E3	1.3	43.1	32.6	18.4	13.7	0	351	27.5	—	44.8	41.4
Credenz	CZ 1470GTLL	LG27	1.4	43.0	33.2	18.8	13.9	0	350	24.6	—	41.6	44.4
Dyna-Gro	S09XT50	RRX	0.9	42.7	33.6	18.0	13.6	0	348	24.2	—	47.2	38.3
Asgrow	AG10X9 U	RRX	1.0	42.5	34.4	17.5	13.4	1	346	29.0	—	46.4	38.7
Hefty	H11E0	E3	1.1	42.5	33.1	17.7	13.6	0	346	32.0	—	45.3	39.6
Thunder	S88009N	RRX	0.9	42.5	34.2	17.7	13.7	1	346	15.2	—	47.2	37.8
Latham	L 1039 R2X	RRX	1.0	41.8	32.1	19.2	13.4	0	340	30.7	—	45.3	38.2
Dyna-Gro	S14XT98	RRX	1.4	41.3	33.5	18.9	13.6	1	337	19.3	—	43.9	38.8
Titan Pro	1.10E+10	E3	1.1	41.3	33.2	17.9	13.8	1	336	24.4	—	40.3	42.4
Hefty	H14X0	RRX	1.4	41.3	32.5	19.3	13.5	0	336	18.2	—	46.3	36.3
Dyna-Gro	S11XT78	RRX	1.1	41.3	34.3	18.4	13.6	0	336	27.2	—	40.9	41.7
Latham	L 1438R2	RR2Y	1.4	41.2	33.8	18.8	13.4	0	335	25.4	—	43.1	39.2
NK Brand	S10-H7X	RRX	1.0	41.0	34.1	17.8	13.5	0	335	18.1	—	45.6	36.5
Latham	L 1392 E3	E3	1.3	40.5	32.6	18.5	13.7	2	330	25.6	—	44.5	36.5
Latham	L 0995 E3	E3	0.9	40.4	33.3	18.4	13.6	0	329	21.7	—	47.8	33.0
Latham	L 0883 R2X	RRX	0.8	40.3	34.2	17.9	13.5	1	328	19.2	—	41.3	39.2
NK Brand	S14-U9X	RRX	1.4	40.3	33.2	18.6	13.3	1	328	21.8	—	43.6	37.0
Latham	L 1429 LLGT27	LG27	1.4	40.2	33.8	19.1	13.6	0	327	33.6	—	40.3	40.1
Renk	RS100NX	RRX	1.0	40.1	32.2	19.2	13.4	0	327	24.4	—	42.7	37.6
Thunder	TE7013N	E3	1.3	39.7	32.6	18.7	13.7	1	323	30.0	—	40.8	38.6
Thunder	S88010N	RRX	1.0	38.9	32.2	19.0	13.3	0	317	22.5	—	44.1	33.7
Proseed	EL 91-33N	E3	1.3	38.8	32.4	18.7	13.6	1	316	34.4	—	39.5	38.0
Averages =				38.2	33.4	18.4	13.5	1	311	23.6	41.0	35.5	
LSD (0.10) =				4.1	0.6	0.3	0.2	1	4.9	6.2	4.7		

*lost due to white mold and ponding issues; *all-season test results rejected, not included in summary

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Soybean Products Tested

Product/Brand	Technology	Maturity	SCN	Region(s) Tested
Anderson Seeds www.andersonseedsmn.com 37825 County Road 63, St. Peter, MN 56082 (507) 246-5032				Anderson Seeds
Dahlman Seed Company LLP www.dahlmanseed.com 73504 200th Street, Dassel, MN 55325 (800) 289-7333				DAHLMAN PREMIUM SEED / PERFORMANCE PROVEN
Dyna-Gro Seed / Nutrien Ag Solutions www.dynagroseed.com 615 Hilliard Rome Road, Columbus, OH 43228 (614) 620-5008				Dyna-Gro
BioGene Seeds www.biogeneseeds.com 5477 Tri-County Highway, Sardinia, OH 45171 (888) 862-3276				BioGene SEEDS
Enestvedt Seed Company www.enestvedtsseeds.com 75802 County Road 12, Sacred Heart, MN 56285 (320) 765-2728				ENESTVEDT
Federal Hybrids www.federalhybrids.com 209 3rd Street NW, PO Box 17, West Bend, IA 50597 (515) 887-5888				FEDERAL HYBRIDS SHARING HYBRIDS SINCE 1933
Cornelius Seed www.corneliussseed.com 14760 317th Avenue, Bellevue, IA 52031 (800) 218-1862				Cornelius SEED
Renk Seed Co. www.renksseed.com 6809 Wilburn Road, Sun Prairie, WI 53590 (800) BUY-RENK				R RENK • SEED
BASF www.agriculture.bASF.com 26 Davis Drive Research, Triangle Park, NC 27709 (919) 547-2000				BASF We create chemistry
Gold Country Seed / Bayer CropScience www.goldcountryseed.com 16506 MN-15, Hutchinson, MN 55350 (320) 587-1050				GOLD COUNTRY SEED®

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

Soybean Products Tested

Product/Brand	Technology	Maturity	SCN	Region(s) Tested
Golden Harvest Brand / Syngenta www.goldenharvestseeds.com 2001 Butterfield Road, Suite 1600, Downers Grove, IL 60515 (800) 944-7333				
GH00866	RR2Y	0.08	NA	RRNO
GH0145X	RRX	0.1	S	RRNO
GH0308X	RRX	0.3	S	RRNO
GH0391	RR2Y	0.3	MR	RRNO
GH0543X	RRX	0.5	S	RRCE
GH0749X	RRX	0.7	MR	RRCE, RRSO
GH0936X	RRX	0.9	MR	MNNC, RRCE, RRSO, SDNE
GH1317X	RRX	1.3	R	MNCE, MNNC, RRSO, SDNE
GH1538X	RRX	1.5	R	MNCE, MNNC, MNSCa, SDNE
GH1619X	RRX	1.6	R	MNCE, MNSCa, MNSOa
GH1852X	RRX	1.8	R	MNCE, WISO
GH1915X	RRX	1.9	R	IANWa, MNCE, MNSOa, SDEC, WISO
GH2041X	RRX	2	R	IANCa, MNCE, MNSCb, MNSOb, NCSL, SDEC, WISO
GH2230X	RRX	2.2	R	IANCa, IANWa, IASCa, MNSCb, MNSOb, NCSL, SDEC, SDSE, WISO
GH2552X	RRX	2.5	MR	IANCa, IANOb, IANWb, IASo, ILNO, NCSL, SDSE, WISO
GH2808X	RRX	2.8	R	ILNC, NCSL, SDSE
Hefty Seed Company www.heftysseed.com 47504 252nd Street, Baltic, SD 5700 (866) 769-7200				
H009E9	E3	0.09	S	RRNO
H01X0	RRX	0.1	S	RRNO
H04E8	E3	0.4	S	RRNO
H04X0	RRX	0.4	R	RRCE, RRNO
H07X0	RRX	0.7	R	RRCE, RRSO
H09X1	RRX	0.9	R	RRCE, RRSO
H10E0	E3	1	R	RRSO, SDNE
H10X0	RRX	1	R	MNNC, RRSO
H11E0	E3	1.1	R	MNNC, RRSO
H14X0	RRX	1.4	R	MNCE, MNNC, RRSO, SDNE
H16X1	RRX	1.6	R	SDNE
H16X8	RRX	1.6	MR	SDNE
H17X0	RRX	1.7	R	IANOa, MNSOa
H18X8	RRX	1.8	MR	MNSCa
H20X0	RRX	2	R	IANOa, MNCE, MNSCb, MNSOb, SDEC, WISO
H20X7	RRX	2	MR	SDEC
H21X9	RRX	2.1	MR	MNSCb, SDSE
H23X0	RRX	2.3	R	IANCa, IANOb, IANWa, NCSL, SDEC
H23X9	RRX	2.3	MR	SDEC
H24X8	RRX	2.4	MR	IANOa, IANWa, NCSL, SDSE
H25X0	RRX	2.5	R	IANCa, IANWb, ILNO, NCSL, SDSE, WISO
H28X8	RRX	2.8	MR	NENE, SDSE
Z0501E	E3	0.5	R	RRCE
Z0502E	E3	0.5	S	RRCE
Z0700E	E3	0.7	R	MNNC, RRCE
Z0800E	E3	0.8	S	MNNC, RRCE, RRSO
Z1100E	E3	1.1	R	MNNC
Z1300E	E3	1.3	R	MNCE, MNNC, SDNE
Z1401E	E3	1.4	R	MNCE, MNNC, MNSCa, SDNE
Z1600E	E3	1.6	R	MNCE, SDNE
Z1800E	E3	1.8	R	IANOa, MNCE, MNSCa, MNSOa, SDEC, WISO
Z1900E	E3	1.9	R	IANOa, MNCE, MNSCb, MNSOa, SDEC
Z2000E	E3	2	R	MNCE, MNSCb, MNSOb, SDEC, WISO
Z2300E	E3	2.3	R	IANCa, IANOb, MNSOb, SDEC, SDSE
Z2301E	E3	2.3	R	IANWa, MNSOb, NCSL, SDEC, SDSE, WISO
Z2400E	E3	2.4	R	IANWa, SDSE
Z2700E	E3	2.7	R	IANCb, IANWb, ILNO, NCSL, NENE, SDSE
Hoegemeyer Hybrids / Corteva Agriscience www.therightseed.com 1755 Hoegemeyer Road, Hooper, NE 68031 (800) 245-4631				
2202 NX	RRX	2.2	R	IANCa, IANWa, SDSE
2540 E	E3	2.5	R	IANCa, IANWb, IASCa, SDSE
2781 NX	RRX	2.7	R	IANWb, IASCa, NENE, SDSE
2820 E	E3	2.8	R	IASCb, IASO, NENE, SDSE

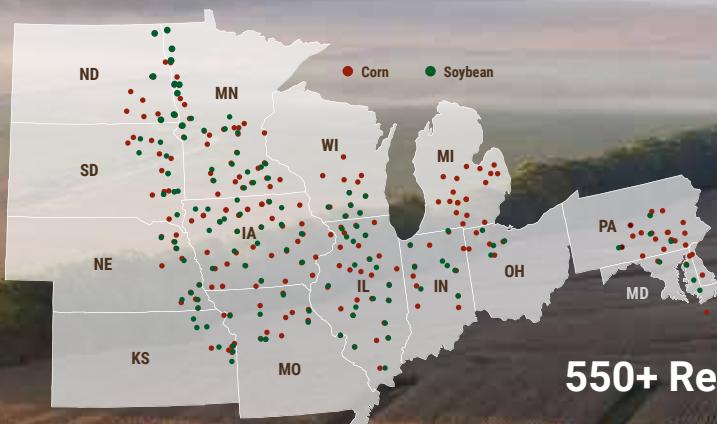
Product/Brand	Technology	Maturity	SCN	Region(s) Tested
Latham Hi-Tech Seeds www.lathamseeds.com 131 180th Street, Alexander, IA 50420 (877) 465-2842				
L 0135 E3	E3	0.1	S	RRNO
L 0225 E3	E3	0.2	S	RRNO
L 0282R2X	RRX	0.2	R	RRCE, RRNO
L 0438 R2X	RRX	0.4	R	RRCE, RRNO
L 0553 R2X	RRX	0.5	MR	RRCE
L 0595 E3	E3	0.5	R	RRCE
L 0739R2X	RRX	0.7	R	RRCE
L 0883 R2X	RRX	0.8	R	MNNC, RRCE, RRSO
L 0982R2	RR2Y	0.9	R	RRCE
L 0995 E3	E3	0.9	R	MNNC, RRCE, RRSO
L 1039 R2X	RRX	1	R	MNNC, RRSO
L 1192 E3	E3	1.1	R	MNNC, RRSO
L 1359 LLGT27	LG27	1.3	R	MNNC, RRSO, SDNE
L 1392 E3	E3	1.3	R	MNNC, RRSO, SDNE
L 1429 LLGT27	LG27	1.4	R	MNCE, MNNC, RRSO
L 1438R2	RR2Y	1.4	R	RRSO
L 1482R2X	RRX	1.4	R	SDNE
L 1595 E3	E3	1.5	R	MNCE, MNNC, SDNE
L 1648 LLGT27	LG27	1.6	R	MNCE, MNSCa, SDNE
L 1673R2	RR2Y	1.6	S	SDNE
L 1748R2	RR2Y	1.7	R	IANOa, MNCE, MNSOa
L 1769R2X	RRX	1.7	R	SDEC, SDNE
L 1793 LLGT27	LG27	1.7	R	MNSCa, SDNE
L 1829 E3	E3	1.8	R	MNCE, MNSCa, MNSOa, SDEC
L 1858R2	RR2Y	1.8	R	MNSCa, MNSOa
L 1983 LLGT27	LG27	1.9	R	MNCE, MNSCb, MNSOa
L 1995 E3	E3	1.9	R	MNCE, MNSCb
L 2084R2	RR2Y	2	R	IANOa, MNCE, SDEC
L 2159 R2X	RRX	2.1	R	IANOa, MNSOb, NCSL, SDEC
L 2178 LLGT27	LG27	2.1	R	IANCa, IANOb, SDEC
L 2193 E3	E3	2.1	R	MNSCb, MNSOb, SDEC
L 2228R2	RR2Y	2.2	R	MNSCb, MNSOb, SDSE, WISO
L 2384 R2X	RRX	2.3	R	IASCa, MNSOb, SDSE
L 2395 LLGT27	LG27	2.3	R	IANOb, IANWa, NCSL, SDSE
L 2429 E3	E3	2.4	R	IANCa, IANOb, IANWa, IASCa, SDSE, WISO
L 2549R2X	RRX	2.5	R	IANOb, IANWb, NCSL, SDSE, WISO
L 2597 E3	E3	2.5	R	IASO, NCSL, SDSE, WISO
L 2839 LLGT27	LG27	2.8	R	IANCb, IANWb, IASCb, IASO, NCSL, SDSE
L 2887R2X	RRX	2.8	R	IANCb, SDSE
L 2295R2X	RRX	2.2	R	IANWa, NCSL, SDEC, WISO
L 2368R2X	RRX	2.3	R	IANWa, SDEC, WISO
Mycogen Seeds / Corteva Agriscience www.dowagro.com/mycogen 9330 Zionsville Road, Indianapolis, IN 46268 (800) MYCOGEN				
5B024R2	RR2Y	0.2	S	RRCE, RRNO
5B033R2	RR2Y	0.3	S	RRCE, RRNO
MY089E	E3	0.8	S	RRCE, RRSO
MY119E	E3	1.1	MR	RRSO
MY149E	E3	1.4	MR	RRSO
NK Brand / Syngenta www.nkseeds.com 2001 Butterfield Road, Suite 1600 Downers Grove, IL 60515 (800) 258-0521				
S007-Y4	RR2Y	0.07	S	RRNO
S008-N2	RR2Y	0.08	S	RRNO
S01-C4X	RRX	0.1	S	RRNO
S02-F9X	RRX	0.2	S	RRCE, RRNO
S03-G9	RR2Y	0.3	MR	RRCE, RRNO
S03-S6X	RRX	0.3	S	RRCE, RRNO
S05-N5X	RRX	0.5	S	RRCE
S06-K4X	RRX	0.6	S	MNNC, RRCE, RRSO
S07-Q4X	RRX	0.7	MR	MNNC, RRCE, RRSO
S09-D4X	RRX	0.9	MR	MNNC, RRCE, RRSO, SDNE
S10-H7X	RRX	1	MR	MNNC, RRSO
S12-R3	RR2Y	1.2	R	MNNC, RRSO
S14-A6	RR2Y	1.4	R	MNNC, RRSO
S14-B2X	RRX	1.4	R	MNCE, MNNC, RRSO, SDNE
S14-U9X	RRX	1.4	MR	IANOa, MNCE, MNNC, RRSO, SDNE, WISO
S18-G4X	RRX	1.8	R	IANWa, MNCE, MNNSCa, MNSOa, SDEC
S18-H3X	RRX	1.8	R	MNCE, MNSCa, MNSOa, SDEC, WISO
S20-J5X	RRX	2	R	IANOa, MNCE, MNSCb, MNSOb, NCSL, SDEC, SDSE, WISO
S21-W8X	RRX	2.1	R	IANCa, IANOb, IANWa, MNCE, MNSCb, MNSOb, NCSL, SDSE, WISO

Soybean Products Tested

Product/Brand	Technology	Maturity	SCN	Region(s) Tested
S25-V8X	RRX	2.5	MR	IANCa, IANOb, IANWb, IASCa, ILNO, NCSL, NENE, SDSE, WISO
NorthStar Genetics, Ltd. www.northstargenetics.com 217 Main Street, PO Box 40, Wanamingo, MN 55983 (507) 824-2878				

Some See Fields, We See Data

Geography



2019

15 States

340+ Farms

550+ Replicated Tests

+ Time

23 Years of Corn Grain Data



18 Years of Soybean Data

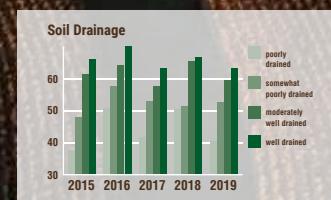
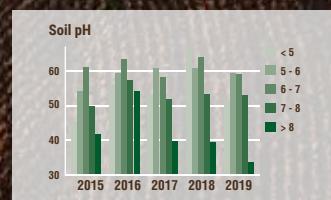
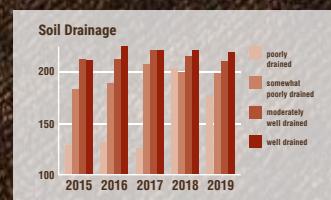
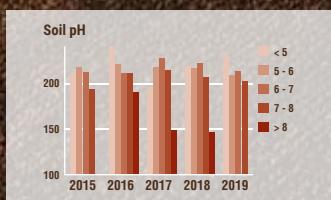


+ Experience

850,000+
Corn Observations

265,000+
Soybean Observations

= Powerful Data



Unbiased, Accurate Yield Testing, Every Time