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A hybrid evaluation guide featuring independent, large plot, on-farm yield tests conducted with farmers and for farmers

Syngenta Seeds:

Fulfilling our (Genetic Diversity) Promise

By David Morgan, President, Syngenta Seeds, Inc.

At the heart of every productive crop are elite genetics developed by some of the sharpest minds in agriculture. How well a crop stands, uses nutrients, resists pests, matures and yields is built into its genes through years of plant breeding and trait development.

With this in mind, a few years ago, we at Syngenta had the foresight to bring together three brands with deep genetic pools, each with distinctive strengths. Our plant breeders told us that it would take four to five years to realize the full potential in the combined genetic pool of these three companies.

We made a promise to you, our customers, that Syngenta would have the greatest genetic diversity in the industry within that time.

This year we began to deliver on that promise.

Thanks to the genetics now available in our corn and soybeans, Pioneer and Monsanto now trail Syngenta Seeds in yield throughout many areas of the country.

Across Illinois, Garst®, Golden Harvest® and NK® brand corn hybrids are out-yielding Pioneer corn hybrids 64 percent of the time by 6.7 bu/A on average at 1,074 locations. And H-9138 3000GT brand from Golden Harvest is out-yielding DeKalb's DKC61-21 Brand (GENSS) by 19.1 bu/A on average at 32 locations in Illinois.*

In Fonda, Iowa, 85E98-3000GT brand from Garst finished first against 12 hybrids, beating DeKalb's DKC57-50 Brand by 22 bu/A with an amazing 244.2 bu/A yield.

In two separate Servi-Tech plots in eastern Nebraska, Syngenta products ranked first, second and third out of 14 hybrids. We beat leading hybrids from DeKalb, Pioneer, Mycogen and Channel Bio.

Our soybeans – long an industry leader in yield and value – still beat competitors three out of four times. I recently spoke with a grower whose NK brand soybeans out-yielded his DeKalb corn. With our consistently high NK soybean yields in Illinois, it wouldn't surprise me if there were multiple growers whose NK soybeans out-yielded their DeKalb corn hybrids.

Growers know that a diverse genetic base means more than delivering outstanding yield. It also means more consistency and reduced risk.

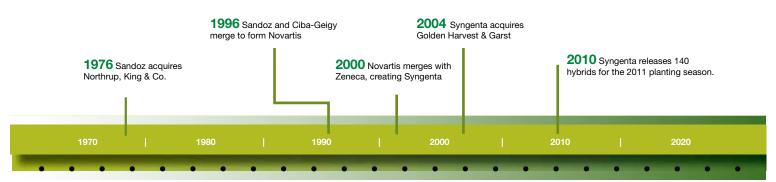


This year's Goss's Wilt outbreak demonstrated how our genetics result in improved yield. Syngenta hybrids rated tolerant to Goss's Wilt provided superior performance versus competitors.

As impressive as this last year has been, we are expecting even greater achievements in 2011. We are offering 140 new corn hybrids of diverse genetics to growers for 2011. That's 140 new corn hybrids tailored to perform at optimum levels across a variety of growing conditions and down to a field-by-field level.

In addition, as strong as our results are in 2010 and will be in 2011, our experimental hybrids look even more promising. We have just begun to see the fruits of our labors.

With so many developments in seeds, Syngenta is better equipped today than ever before to help you maximize the productivity of every acre our science touches. After all, "Bringing plant potential to life" is what keeps our hearts racing and our minds focused on an even brighter tomorrow.





Technologies

3000GT Agrisure® 3000GT
CB/LL Agrisure® CB/LL
CB/LL/RW Agrisure® CB/LL/RW
GT Agrisure® GT
GT/CB/LL Agrisure® GT/CB/LL

HX HERCULEX® I Insect Protection
HXT HERCULEX® XTRA Insect Protection

LL LibertyLink®

RR Roundup Ready® Soybeans RR2 Roundup Ready® Corn 2

RR2Y Genuity ™ Roundup Ready 2 Yield®

SS SmartStax™

STS STS®

VT2 YieldGard VT Rootworm/RR2™ VT2P Genuity™ VT Double PRO™

VT3 YieldGard VT Triple®
VT3P Genuity™ VT Triple PRO™
YGCB YieldGard® Corn Borer

Seed Treatments

AC Acceleron®
AM ApronMaxx®
AP Apron XL®

AVC Avicta® Complete Corn

C Cruiser®
CM CruiserMaxx®
E Excalibre™
ES Escalate™
I Inovate™ System
O Optimize®

P Poncho®
T Trilex®
T6 Trilex® 6000
V Votivo™

Additional F.I.R.S.T. Data Available

Readers looking for more details about cropping practices, products tested, hosting a test location or desiring to search results online can visit www. firstseedtests.com.You can view or download Harvest Reports by location or products tested lists sorted by region or company. Seed Scout is an online tool allowing you to search F.I.R.S.T. results by your interests; crop, state, region, maturity, or technology to identify the best seed products for your production practices.

There are 4 print editions each containing F.I.R.S.T. results from different geographies. Visit www. firstseedtests.com, click Media and Print Media to download or view all results editions or type www. firstseedtests.com/printmedia.htm into your browser.

Cover photo by Denny Eilers

Upper Midwest Edition

Covering Minnesota and the Dakotas

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How to Interpret F.I.R.S.T. Trials

larmer's Independent Research of Seed Technologies (F.I.R.S.T.) is an independent corn and soybean yield testing service. We compare product yield performance in grower fields across 13 states: Delaware, Illinois, Indiana, Iowa, Maryland, Michigan, Minnesota, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin. In 2010, we compared yields of 874 corn and 439 soybean products. In total, more than 58,500 plots spread across 248 farms were established.

Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well drained soils with farmer hosts using production practices typical for the area.

Sponsoring seed companies submit their best products to desired test regions. They provide high-quality seed from commercial lots and fees to enter F.I.R.S.T. seed tests. The only exceptions are check products, chosen by F.I.R.S.T. managers to bridge results between early- and full-season tests, and Grower Choice products (denoted by GC at the end of the product name), provided by our host farmers for their own knowledge.

F.I.R.S.T. managers package, randomize and plant seeds into host grower fields using slightly modified commercial planting equipment. Plot strips are 45' long and 10' wide (four 30" corn rows and soybean rows of either seven 15" single rows, four 30" single rows or four 30" twin rows spaced 8" apart). The center two

corn rows and all soybean rows are used to measure yield.

Regions have been established to provide similarity by geography and crop maturity. Corn products within a 10-day maturity range are pooled into a single all-season test or split into early- and full-season tests depending on entry volume. Soybean products must fall within a 0.7 maturity range.

All seed products entered in a region are seeded at each of the six corn and four soybean locations within the region. Products are replicated three times per test and grouped in blocks from front to back and side to side. This provides more precision in yield measurement and flexibility should a disruptive event require elimination of nonuniform plot areas.

Soybean cyst nematode (SCN) levels are reported for most soybean test sites. Egg counts are taken per 100 ml of soil. Sites with up to 2,000 eggs, 2,000 to 12,000 eggs and more than 12,000 eggs are classified as low, medium or high populations, respectively.

F.I.R.S.T. regional summaries are designed to identify consistently high-yielding products from multiple locations. Product performance is averaged across all locations within a region. Regional summary tables rank the Top 30 products on yield within a region. Grain yield, grain moisture and lodging are averaged from all locations and presented along with individual site yield results.

Regional summaries include least significant difference (LSD) for the region and individual site results.

Footnotes and Abbreviations:

Yields in **bold** are significantly above test average.

Brands in *italics* exceed the grain moisture limit for this test

Brands identified with * had no commercial seed lot number

Brand names ending with GC are grower chosen product entries.

identifies rejected results that are omitted from summary

** identifies locations with 2 replications

^ G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Seed. XL™ brand seed is distributed by Beck's Superior Hybrids. G2®, HPT®, RPM®, and XL™ are trademarks of Pioneer Hi-Bred.

ns – not significant

SCN Resistance:

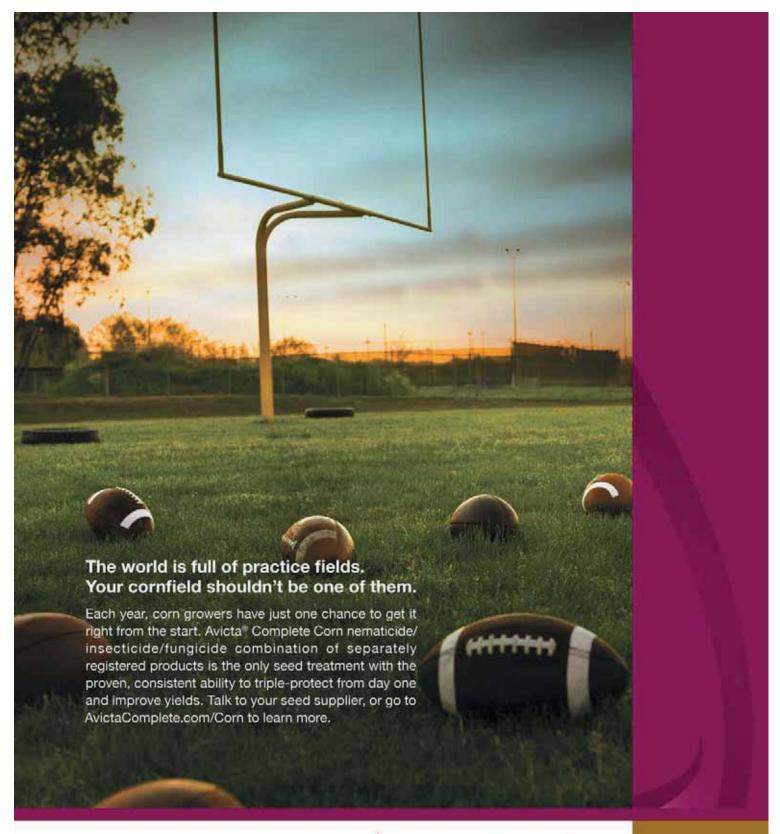
S – susceptible,

MR – Moderately Resistant,

R – Resistant

Statistically, the LSD value is the difference needed between two products to accurately state that one product is better than another 9 times out of 10 (90% probability).

F.I.R.S.T. manager comments are provided for each test site. Here you will find insight regarding test conditions such as weather patterns, plant health and any other factors that may have impacted product results.







©2010 Symperia Crop Protection, Inc., 410 Swing Poor, Greenbore, NC 27409 Important: Always read and follow label instructions before buying or using Syngenta products. The instructions contain important conditions of sale, including limitations of warranty and remedy, Avicta Due Corn is a Restricted Use Posticide. For use by certified applications only, Growers planting Avicta Due Corn basiled seed are not required to be confert applications. Avicta Campbets Corn is a promoteral containation of expanding injections and may additionally contain it is a promoteral containation of expanding injections, and Dynasty Inspirates and may additionally contain (1) April XI. beneficial 20 Children need treatment insections, or (3) April XI. and Children, Avicta Eschoology is protected by U.S. Patent No. 6.975,727 and other patents and penating patent approximent in the U.S. and other countries. April XI. Avicta¹ Children (1) Children (

2010 Season Highlights

ariability was the watchword of the 2010 growing season. While growers strive for consistency, the results were highly variable this year. Corn yields varied from 30.1 bu. to 299.6 bu. per acre. Soybean yields varied from 4.4 bu. to 91.2 bu per acre. In some cases, those results provide a unique opportunity to judge seeds on individual aspects of their performance.

"2010 was a fantastic year for data even though we had a lot of variability," says Eric Beyers, F.I.R.S.T. manager for parts of Illinois. "People should not by any means look at the data as not having credibility, but they may need to take a little more time to understand it. It was a very good year for data because it culminated in a lot of answers."

By looking at various plots and determining what happened there, Beyers says, it's possible to make decisions on a wide range of factors and how they fit into your farming operation. This year's data will take extra effort to distill because yield isn't going to tell the whole story, he notes. The data from stressed plots with lower yields are actually more valuable in determining which hybrids and varieties perform best in stressful situations.

CORN

In general, corn yields were lower and more variable than is normally seen in F.I.R.S.T. testing, points out Joe Bruce, general manager for F.I.R.S.T. Corn yields averaged 10.5 bu. per acre less this year than in 2009 across all testing areas. "The soil uniformity of lowa and Illinois traditionally provide very consistent results. Although planting was timely and we had normal temperatures, factors such as excessive rainfall, standing water and unresolved soil compaction from the wet, late 2009 harvest introduced stressors that limited corn yield," Bruce says. "At many locations, nitrogen was a limiting factor." Saturated soils led to nitrogen losses by denitrification and nitrate subsoil

"Despite having a great looking crop mid-season, the stresses of 2010 severely hampered corn yield potential."

— Joe Bruce, F.I.R.S.T.

General Manger

leaching. The situation was often worse in high-residue corn-on-corn production, where nitrogen was used by microbes to decompose residue.

"Despite having a great looking crop midseason, the stresses of 2010 severely hampered corn yield potential," Bruce adds.

Corn yields in the Minnesota and

mid-Atlantic regions were a pleasant surprise, with yields trending above average. Ample but not excessive rainfall combined with moderate temperatures produced outstanding corn yields, Bruce says. All the Minnesota regions averaged more than 200 bu, per acre, and the top yield in southeast Minnesota was 233.9 bu. per acre. The Pennsylvania regions averaged more than 185 bu. per acre, and the top-yielding hybrid in the central Pennsylvania region averaged 209.3 bu. per acre over six locations, with one location reaching 228 bu. per acre—an unusually high yield for that area of the country.

"The farmers in central Pennsylvania were pleasantly surprised with their corn yields. I know 200 bu. is often seen in the Midwest, but to hit 200 bu. here is unheard of," says Rob Kauffman, F.I.R.S.T. manager for the mid-Atlantic region. "The central Pennsylvania region was a bin-buster this year."

GENETICS

No single company's genetics dominated the corn trials. While Monsanto-owned companies came out on top in past years' results, Bruce comments that wasn't the case for 2010.

"It appeared that this year genetics from all major seed players were very competitive, and no single genetics supplier dominated the Top 30 harvest reports," Bruce says. "It appears many of these suppliers have finally integrated the best trait technologies into their elite genetics, creating a very competitive stable of products across the industry."

Corn Yield						Soybean Yield					
	% change	bu. (+/-)		(bu. per ac	re)	% change	bu. (+/-)	(bu. per acre)	
	'09 to '10	'09 to '10	2010	2009	2008	'09 to '10	'09 to '10	2010	2009	2008	
Minimum	-64.4	-54.5	30.1	84.6	18.8	-78.7	-16.3	4.4	20.7	18.3	Minimum
Average	-5.3	-10.8	191.6	202.4	191.9	+10.4	+5.6	59.6	54.0	51.9	Average
Maximum	-3.5	-11.0	299.6	310.6	281.0	+13.6	+10.9	91.2	80.3	90.9	Maximum

Data from all F.I.R.S.T. plots tested during that year. Any rejected data was eliminated from these figures.

It's good to see competition in the industry, and Mark Tollefson, F.I.R.S.T. manager for South Dakota, notes that he enjoys seeing how independent testing gives smaller independent companies a way to effectively test their products against larger ones.

"We've seen some smaller regional companies consistently show up in the Top 30 results, and often they'll pop up in the Top 10," Tollefson says. "The more companies that are in play, the more choices farmers have, and it's great to see how these small regional players stack up against some of these larger companies."

One percent of corn hybrids tested were conventional hybrids. A large percentage of hybrids contained multiple GMO traits; 98% contained a glyphosate-tolerant trait; 32.4% contained LibertyLink; and more than 88% were a triple stack, containing protection from corn borer and corn rootworm and at least one herbicide-tolerance trait.

SOYBEANS

For soybeans, Bruce comments, "Wow! Where did the yield come from?"

Soybean yields were above average in most areas with low disease incidence. Yields averaged 5.6 bu. per acre above 2009 levels, and the maximum yield of 91.2 bu. per acre topped the 2009 maximum by nearly 11 bu. Low yields were anticipated due to dry conditions over much of the country during the critical pod-fill stage. However, yields trended above average for most of the F.I.R.S.T. testing areas,

Bruce says. The lowa and mid-Atlantic regions were notable exceptions to that trend.

"In Iowa, late-season rainfall coupled with sudden death syndrome (SDS) reduced yield and increased yield variability," Bruce says. "The mid-Atlantic region had dry conditions, especially Preston, which limited yield potential."

SDS pressure was very high in southern parts of Iowa. Randy Meinsma, the F.I.R.S.T. manager for

"Wow! Where did the [soybean] yield come from?"

— Joe Bruce, F.I.R.S.T. General Manger

central and southern lowa, points out that results in south central lowa locations, especially Keystone and Slater, create an excellent opportunity to identify varieties with above-normal SDS tolerance, as the SDS pressure there was very high.

Illinois also saw some SDS pressure. Since other stressors exacerbate the disease, the areas in Illinois that had it the worst were those that were planted May 6, says Jason Beyers, F.I.R.S.T. manager for northern Illinois and Wisconsin. Those plots endured a cold snap a week after planting, which hurt emergence and stressed the plants early.

"The good thing about having such high SDS pressure [across multiple locations] is that you can look at a variety and cross it with other tests in the region to see how it did," Meinsma says. "If it yielded low in one plot with heavy SDS pressure and did really well in another plot that didn't have SDS pressure, it tells you something."

Meinsma cautions that if a variety did not pop up in the Top 30, it could be because it fell below the reported results in that region, but it also might not have been tested there. To tell if a variety was tested in that plot, you'll need to look at the complete list of products tested, which can be downloaded as a PDF from www.FirstSeedTests.com. Click 2010 Reports, select the crop, and the list of Products Tested is the first link. If you're interested in a specific soybean variety or corn hybrid, that crop's Products Tested list will identify other regions it was tested in, making it easier to cross-reference data for a particular seed number.

WEATHER

Mother Nature is always a factor in farming, and this year was no exception. "Weather conditions played a big role," says Rich Schleuning, F.I.R.S.T. manager. Schleuning manages the greatest north/south geographical swath of F.I.R.S.T. testing plots, from Michigan to southern Indiana and east into Ohio.

"One of the most amazing things about this year's harvest was I had guys in the Michigan Thumb region and in southern Indiana telling me continued on page 10

RDRV Red River Valley Corn Results

Farmer's Independent Research of Seed Technologies

EARLY SEASON T	EST 85 - 90 Day	y CRM										Top 3	30 of 58	tested
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Colfax	Elbow Lake#	Foxhome**	Gwinner	Hawley	Kindred
Renk	RK334RR	RR2	P250 P250	174.4	15.5	2.5	\$739.0	1	177.8	164.4	181.7	163.6	186.3	172.4
Rea Proseed	3V376 990	VT3P GT/CB/LL	C250	172.6 168.2	15.1 16.0	3.1 7.2	\$733.1 \$710.6	<u>2</u> 4	187.7 193.5	148.5 141.9	178.2 177.6	149.1 165.9	191.4 165.2	180.6 165.0
Renk	RK302GTCBLL	CB/LL	P250	166.3	15.8	9.5	\$703.4	5	195.8	154.2	173.0	149.8	150.0	175.0
NuTech	3A-889	RR2	P250	165.8	15.8	4.8	\$701.3	6	180.8	150.3	176.9	154.1	159.9	172.9
Dairyland	ST9789	VT3	C250	165.7	16.2	4.6	\$699.3	8	177.4	142.0	170.8	162.0	178.1	163.9
Producers Johnson	5004VT3 JSC4891RR	VT3 RR2	P250 P250	165.0 165.0	15.8 15.9	3.6 2.0	\$698.0 \$697.5	9 11	181.7 178.0	137.6 154.2	181.5 168.6	157.5 167.6	172.4 159.9	159.2 161.9
Wensman	W7089VT3	VT3	P250	164.9	15.0	3.0	\$700.8	7	185.0	141.9	171.2	158.6	167.8	165.0
NuTech	G2 5H-589^*	HX,RR2	C250	163.8	14.6	2.9	\$697.8	10	177.2	135.5	152.3	163.6	176.5	177.5
Gold Country	89-09	VT3P	P250	163.5	15.1	2.3	\$694.5	12	176.5	141.5	175.5	146.3	176.5	164.7
Titan Pro	80A85GL	3000GT	C250	163.0	15.2	7.3	\$691.9	13	178.9	134.7	157.2	183.9	154.9	168.4
Mustang Wensman	3026 W6105RR	GT/CB/LL RR2	C250 P250	162.7 162.3	15.7 15.5	7.1 2.9	\$688.6 \$687.7	14 15	181.5 176.5	143.6 131.4	163.7 170.6	164.0 160.8	159.8 171.5	163.5 163.0
NuTech	3C-889A	YGCB,RR2	P250	162.3	16.1	2.0	\$685.3	16	188.2	142.3	158.3	162.1	158.9	163.8
Channel	189-59VT3	VT3	P250	162.0	16.0	2.9	\$684.5	19	176.8	135.8	168.1	149.0	175.6	166.6
Hyland	HLB32R*	GT/CB/LL	P250	161.4	15.4	11.4	\$684.3	20	175.3	136.0	144.2	182.2	158.9	171.7
Producers	4564VT3	VT3	P250	161.1	14.9	2.0	\$685.1	17	180.6	141.6	167.6	146.3	172.9	157.5
Stine Stine	9200VT3 9206RR	VT3 RR2	P250 P250	160.9 160.6	14.8 15.4	3.0 1.6	\$684.6 \$680.9	18 22	169.3 173.2	141.3 158.7	153.2 166.9	146.7 126.9	173.1 183.7	181.8 154.1
Dairyland	ST9286	VT3	C250	160.3	14.9	1.9	\$681.7	21	165.2	140.9	175.7	134.4	184.9	160.7
Kruger	K-6490VT3	VT3	C250	160.0	15.5	4.0	\$678.0	23	172.2	135.3	170.6	151.0	169.8	161.0
Mycogen	2P174	YGCB,RR2	C250	159.2	15.6	2.3	\$674.2	25	161.2	147.1	165.2	151.9	156.3	173.7
Mustang	2307VT3 3T-484	VT3 VT3	P250 C250	159.1 158.3	15.2 15.0	1.6	\$675.4 \$672.8	24 26	176.2 167.8	140.8 135.2	151.3 161.4	145.8 145.3	179.1 164.8	161.5 175.2
NuTech Hyland	31-464 HL8234*	SS	P250	156.5	14.9	4.5	\$672.0	20 27	172.0	146.6	154.1	154.5	170.8	148.6
NuTech	G2 5H-891^	HX,RR2	C250	157.8	15.5	3.9	\$668.7	28	171.9	133.7	157.4	162.6	144.7	176.2
Stine	9204VT3	VT3	P250	157.6	16.1	3.3	\$665.5	29	172.0	144.0	155.0	161.1	165.1	148.3
Rea	2T687	VT3	P250	156.3	15.0	3.6	\$664.3	30	165.4	132.3	142.5	158.4	165.4	173.6
Mycogen	2T224	SS OT/OD/III	C250	155.4	14.6	2.6	\$662.0	31	160.8	137.4	173.3	130.2	171.1	159.8
Johnson Test Average =	JSC4902 CK	GT/CB/LL	AVC	169.1 156.8	15.8 15.3	2.9 3.7	\$715.3 \$665.2	3	193.1 168.7	150.0 136.0	187.3 159.8	162.4 150.4	156.7 164.7	165.1 1 61. 1
LSD (0.10) =				9.2	0.4	4.6	4 00012		11.7	13.1	16.3	19.1	17.1	12.9
FULL SEASON TE	ST 91 - 94 Day	CRM										Top 3	0 of 51 t	ested
Producers	XP5404VT3	VT3	P250	179.4	17.1	1.2	\$753.0	1	161.9	92.3	184.0	185.1	187.9	178.3
Johnson	JSC4939V3P	VT3P	P250	173.2	17.4	1.4	\$725.7	3	174.8	73.8	176.5	180.4	166.0	168.1
Kruger	1/ 7/05		P250					4		132.9				
Dyna-Gro	K-7495	VT3P		172.9	17.6	1.2	\$723.6		183.7		166.5	167.5	190.7	156.3
	CX010194*	RR2	P250	172.4	16.2	1.2 1.2	\$723.6 \$727.5	2	173.7	126.4	173.8	161.4	190.7 184.2	168.7
Kruger	CX010194* K-7593	RR2 VT3P	P250 P250	172.4 169.9	16.2 16.6	1.2 1.2 1.0	\$723.6 \$727.5 \$715.3	5	173.7 171.0	126.4 74.3	173.8 178.0	161.4 150.6	190.7 184.2 185.6	168.7 164.3
Kruger Gold Country	CX010194* K-7593 94-29	RR2 VT3P VT3	P250 P250 P250	172.4 169.9 168.9	16.2 16.6 16.5	1.2 1.2 1.0 2.8	\$723.6 \$727.5	2 5 6	173.7 171.0 166.2	74.3 95.7	173.8 178.0 173.1	161.4 150.6 165.8	190.7 184.2 185.6 179.2	168.7 164.3 160.1
Kruger	CX010194* K-7593	RR2 VT3P	P250 P250	172.4 169.9	16.2 16.6	1.2 1.2 1.0	\$723.6 \$727.5 \$715.3 \$711.5	2 5 6 12 7	173.7 171.0	126.4 74.3	173.8 178.0	161.4 150.6	190.7 184.2 185.6	168.7 164.3
Kruger Gold Country Channel Dekalb Rea	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440	RR2 VT3P VT3 VT3 VT3 VT3P	P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5	16.2 16.6 16.5 17.8 15.9 16.6	1.2 1.2 1.0 2.8 1.5 1.0	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2	2 5 6 12 7 8	173.7 171.0 166.2 173.2 163.7 171.7	126.4 74.3 95.7 79.7 90.3 61.6	173.8 178.0 173.1 172.6 176.0 182.3	161.4 150.6 165.8 170.2 159.4 165.0	190.7 184.2 185.6 179.2 164.4 177.7 164.4	168.7 164.3 160.1 159.8 160.9 154.3
Kruger Gold Country Channel Dekalb Rea Jung	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3	RR2 VT3P VT3 VT3 VT3 VT3P VT3P	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5	16.2 16.6 16.5 17.8 15.9 16.6 16.7	1.2 1.2 1.0 2.8 1.5 1.0 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8	2 5 6 12 7 8 10	173.7 171.0 166.2 173.2 163.7 171.7 166.0	126.4 74.3 95.7 79.7 90.3 61.6 95.8	173.8 178.0 173.1 172.6 176.0 182.3 178.8	161.4 150.6 165.8 170.2 159.4 165.0 166.8	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7	168.7 164.3 160.1 159.8 160.9 154.3 157.3
Kruger Gold Country Channel Dekalb Rea Jung Rea	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588	RR2 VT3P VT3 VT3 VT3 VT3P VT3P VT3P	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 167.5	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5	2 5 6 12 7 8 10	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6	2 5 6 12 7 8 10 11 14	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0	74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9
Kruger Gold Country Channel Dekalb Rea Jung Rea	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588	RR2 VT3P VT3 VT3 VT3 VT3P VT3P VT3P	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 167.5	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5	2 5 6 12 7 8 10	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3
Kruger Gold Country Channel Dekalb Rea Jung Proseed Jung Pannar	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910	RR2 VT3P VT3 VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0	1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1	2 5 6 12 7 8 10 11 14 13 9	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 168.5
Kruger Gold Country Channel Dekalb Rea Jung Proseed Jung Pannar Rea	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$704.8 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3	2 5 6 12 7 8 10 11 14 13 9 17	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 168.5 149.9
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 48-910 4T286 193-46VT3	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3 VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3	2 5 6 12 7 8 10 11 14 13 9 17 16	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 167.6 171.4 159.1 168.7	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 149.9 166.7
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3 VT3 VT3 VT3 VT3 VT3 VT3 VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$705.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$690.0	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.9 170.2 172.2 162.6 185.6 164.6 155.4	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 178.0 168.8	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 48-910 4T286 193-46VT3	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3 VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3	2 5 6 12 7 8 10 11 14 13 9 17 16	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 167.6 171.4 159.1 168.7	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 149.9 166.7
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC	RR2 VT3P VT3 VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3 VT3 VT3 VT3 VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 1.2 3.7	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$705.2 \$705.1 \$697.6 \$698.0 \$705.1 \$691.3 \$695.4 \$690.0	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 167.6 171.4 159.1 168.7 177.1	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 149.9 166.7 169.5 154.8
Kruger Gold Country Channel Dekalb Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.5	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 1.2 3.7 1.6 1.9 3.0 2.6	\$723.6 \$727.5 \$715.3 \$711.5 \$702.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$691.3 \$691.3 \$691.3 \$695.4 \$690.0 \$688.2 \$686.6 \$686.6	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 78.0 104.8	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.7	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 178.0 168.8 163.7 164.6 162.7 174.5	168.7 164.3 160.1 159.8 160.9 157.3 172.8 160.9 159.1 160.5 149.9 166.7 169.5 154.8 166.4 148.3 145.3
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.5	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 11.8	\$723.6 \$727.5 \$715.3 \$711.5 \$702.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$690.0 \$686.3 \$688.2 \$686.3	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9 175.9 176.8	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 78.0 104.8 114.0	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.7	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.1	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 166.4 148.3 145.3
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 15.6 15.6	1.2 1.2 1.0 2.8 1.5 1.0 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 1.9	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$696.3 \$686.3 \$686.3 \$688.3 \$688.6	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9 176.8 179.7	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 78.0 104.8 114.0 108.7	173.8 178.0 173.1 172.6 176.0 182.3 179.6 170.2 172.2 162.6 164.6 155.4 169.6 165.7 177.4 166.7 168.0 166.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5	168.7 164.3 160.1 159.8 160.9 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 166.4 148.3 145.3 154.8 168.7
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer NuTech	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC 5N-593	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2 162.2	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 16.4 15.5 17.2	1.2 1.2 1.0 2.8 1.5 1.0 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 1.8 2.0	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$705.2 \$704.8 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$690.0 \$686.3 \$686.3 \$686.3 \$686.6 \$688.2 \$687.3 \$681.6	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25 24	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9 176.8 179.7 167.5	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 94.4 94.1 92.2 89.2 109.2 70.0 78.0 104.8 114.0 108.7 54.5	173.8 178.0 173.1 172.6 182.3 178.8 171.3 179.6 170.2 172.2 162.6 164.6 155.4 169.6 165.7 177.4 166.0 166.6 160.4	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1 137.4 145.2	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 178.0 168.8 163.7 164.6 162.7 174.9 174.0 174.0 175.0	168.7 164.3 160.1 159.8 160.9 154.3 167.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 166.4 148.3 157.3
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC	RR2 VT3P VT3 VT3 VT3 VT3P VT3 VT3P VT3 3000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 15.6 15.6	1.2 1.2 1.0 2.8 1.5 1.0 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 1.9	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$696.3 \$686.3 \$686.3 \$688.3 \$688.6	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9 176.8 179.7	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 78.0 104.8 114.0 108.7	173.8 178.0 173.1 172.6 176.0 182.3 179.6 170.2 172.2 162.6 164.6 155.4 169.6 165.7 177.4 166.7 168.0 166.6	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5	168.7 164.3 160.1 159.8 160.9 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 166.4 148.3 145.3 154.8 168.7
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer NuTech Gold Country	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC 5N-593 93-39 3T544 2J337	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2 162.2	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 16.4 15.5 17.2 16.7 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 1.2 3.7 1.6 1.9 3.0 2.6 1.9	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$680.2 \$686.3 \$688.2 \$687.3 \$688.2	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25 24 26	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.6 175.9 176.8 179.7 167.5	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 78.0 104.8 114.0 108.7 54.5 97.5	173.8 178.0 173.1 172.6 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.0 166.6 160.4 178.7	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1 159.1	190.7 184.2 185.6 179.2 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.3 162.7 174.5 149.2 171.0 185.3 161.2	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 166.4 148.3 145.3 154.8 168.7
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer NuTech Gold Country Rea Mycogen Dairyland	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC 5N-593 93-39 3T544 2J337 ST9594	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2 162.0 161.8 161.6	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 16.7 16.9 17.0 16.8 15.9 16.6 16.7 16.8 15.9 17.0 16.8 15.9 16.6 16.7 16.8 15.9 16.6 16.7 16.8 15.9 16.6 16.9 17.0 16.8 15.9 16.6 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 11.8 2.0 1.5 1.8 2.0	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$691.3 \$691.3 \$691.3 \$691.3 \$696.4 \$690.0 \$688.2 \$686.3 \$686.6 \$686.3 \$686.6 \$686.9 \$687.9 \$675.7	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25 24 26 28 27 30	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.5 162.2 176.4 162.5 159.3	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 104.8 114.0 108.7 54.5 97.5 71.3 120.2 119.9	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.7 166.6 160.4 178.7 169.4 169.0 174.3	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1 137.4 145.2 139.0 155.0 165.6 139.6	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5 149.2 171.0 185.3 161.7 174.6	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 149.9 166.7 169.5 154.8 166.4 148.3 157.1 153.9 144.4 159.3
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer NuTech Gold Country Rea Mycogen Dairyland Wensman	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC 5N-593 93-39 3T544 2J337 ST9594 W7107VT3	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.4 164.3 163.8 163.7 163.3 162.9 162.5 162.2 162.0 161.8 161.6 161.2	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 16.4 15.6 15.5 17.2 16.7 16.9 16.4 15.9 16.4 15.9 16.6 16.5 16.6 16.5 16.5 16.6 16.7 16.8 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 11.8 2.0 1.5 1.8 1.2	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.2 \$708.2 \$708.2 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$705.1 \$691.3 \$691.3 \$695.4 \$690.0 \$688.2 \$686.3 \$686.3 \$686.3 \$686.4 \$686.6 \$686.0 \$679.1 \$675.7 \$676.9	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25 24 26 28 27 30 29	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.5 162.2 176.4 162.9 159.3 159.9	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 78.0 104.8 114.0 108.7 54.5 97.5 71.3 120.2 119.9 141.5	173.8 178.0 173.1 172.6 176.0 182.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.7 166.6 160.4 178.7 169.0 169.0 174.3 168.7	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 149.1 159.1 149.1 159.1 137.4 145.2 139.0 165.6 139.6 148.9	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5 149.2 171.0 185.3 161.2 170.7 174.6 171.1	168.7 164.3 160.1 159.8 160.9 157.3 172.8 160.9 159.1 160.5 168.5 149.9 166.7 169.5 154.8 168.7 157.1 153.9 149.9 149.9 149.9
Kruger Gold Country Channel Dekalb Rea Jung Rea Jung Proseed Jung Pannar Rea Channel Pannar NuTech Proseed Johnson Gold Country NuTech Pioneer NuTech Gold Country Rea Mycogen Dairyland	CX010194* K-7593 94-29 194-27VT3 DKC42-72 GC 3V440 7344VT3 4V588 7410VT3 794* 7V316 4B-910 4T286 193-46VT3 4E-705 3T-393 GC 894 JSC4921RR 95-11 5B-290 38M58 GC 5N-593 93-39 3T544 2J337 ST9594	RR2 VT3P VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 S000GT VT3P VT3	P250 P250 P250 P250 P250 P250 P250 P250	172.4 169.9 168.9 168.0 167.5 167.5 166.8 166.8 166.0 165.9 164.6 164.4 164.3 163.8 163.7 163.3 162.9 162.2 162.2 162.0 161.8 161.6	16.2 16.6 16.5 17.8 15.9 16.6 16.7 16.3 17.7 16.8 15.0 17.0 16.8 15.7 16.5 16.6 16.9 16.7 16.9 17.0 16.8 15.9 16.6 16.7 16.8 15.9 17.0 16.8 15.9 16.6 16.7 16.8 15.9 16.6 16.7 16.8 15.9 16.6 16.9 17.0 16.8 15.9 16.6 16.9	1.2 1.2 1.0 2.8 1.5 1.0 1.2 1.2 2.6 2.2 1.7 1.4 1.2 1.2 3.7 1.6 1.9 3.0 2.6 11.8 2.0 1.5 1.8 2.0	\$723.6 \$727.5 \$715.3 \$711.5 \$702.2 \$708.1 \$705.2 \$704.8 \$703.5 \$697.6 \$698.0 \$691.3 \$691.3 \$691.3 \$691.3 \$696.4 \$690.0 \$688.2 \$686.3 \$686.6 \$686.3 \$686.6 \$686.9 \$687.9 \$675.7	2 5 6 12 7 8 10 11 14 13 9 17 16 15 18 19 23 22 20 21 25 24 26 28 27 30	173.7 171.0 166.2 173.2 163.7 171.7 166.0 174.6 159.0 169.0 167.6 171.4 159.1 168.7 177.1 159.9 167.5 162.2 176.4 162.5 159.3	126.4 74.3 95.7 79.7 90.3 61.6 95.8 116.1 65.4 97.6 61.4 94.4 76.1 92.2 89.2 109.2 70.0 104.8 114.0 108.7 54.5 97.5 71.3 120.2 119.9	173.8 178.0 173.1 172.6 176.0 182.3 178.8 171.3 179.6 170.2 172.2 162.6 185.6 164.6 155.4 169.6 165.7 177.4 166.7 166.6 160.4 178.7 169.4 169.0 174.3	161.4 150.6 165.8 170.2 159.4 165.0 166.8 138.2 159.1 166.0 157.2 156.5 159.0 143.7 148.3 170.5 152.2 150.0 149.1 159.1 137.4 145.2 139.0 155.0 165.6 139.6	190.7 184.2 185.6 179.2 164.4 177.7 164.4 168.7 177.2 175.3 165.7 172.0 164.2 168.2 178.0 168.8 163.7 164.6 162.7 174.5 149.2 171.0 185.3 161.7 174.6	168.7 164.3 160.1 159.8 160.9 154.3 157.3 172.8 160.9 159.1 160.5 149.9 166.7 169.5 154.8 166.4 148.3 157.1 153.9 144.4 159.3





Yield Range: 54.5 to 195.8 bu. per acre Yield Average: 153.7 bu. per acre Top \$ Per Acre: \$825.80

Field Notes: Red River Valley

Mark Tollefson, FIRST Manager

Hawley – This test site was wet most of the growing season. There was root lodging in the field, as goose-necked corn made it difficult to find rows at times. A strong windstorm in late October caused some stalk lodging as well. The good news here was that the ears stayed on the stalks and were able to be harvested. The plot also drained well, which made for good harvesting conditions.

Kindred – This test site had plenty of rain and was wet for most of the growing season. Apart from the saturated soil here, no other weather conditions stressed the crop this year. The corn stood well and therefore there were no lodging issues with stand. Yield in the area was above average and it was a good year to plant with a high population. Starter fertilizer was not used on this plot.

Foxhome – At this test site

water was abundant and even overabundant in some of the lower points on the field. We saw some yield loss in any of the areas of the plot that held water for any length of time. A late-October wind and rainstorm made for difficult harvest conditions. The storm caused some lodging in the field as some stalks got blown down. The good news was that they did not lose their ears. One early test replication was lost to accidental harvest

Colfax – We planted this site on May 21, which turned out to be a good time to plant this year. Some heavy rains in the spring caused some damage in fields that were planted earlier. We had virtually no lodging here and the crops in this field and area were looking good. Ideal harvest weather and conditions helped to keep the grain moistures low also.

Gwinner – This area had timely

rain through August and produced some good plot results. We did not have any disease issues or any problems with lodging at this site. When harvest came, all of the plants were standing well and looked good. There was an abundance of water all year—even keeping things a little too wet—but the corn crop handled it well. The average yield here was 150.4 bu. per acre in the early-season test and 152.8 bu. per acre for the full-season test.

Elbow Lake – Too much moisture was the main weather stress in this plot during the growing season. The early test drained better and yield data reflects that. A late-October storm caused some stalk lodging as winds reached 50 mph. Most stalks held their ears and were able to be harvested. The full-season test had water damage and was therefore deemed to be rejected statistically.

Test Site Des	cription					Test	Avera	ge	Yield Chec	k Comparison (J	Johnson JSC4902)
Site	Soil Texture	Tillage	Prev. Grop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Colfax	loamy sand	conventional	Soybean	130	5/21	30,800	1.0	167.4	193.1	167.1	26.0
Elbow Lake	clay loam	conventional	Corn	180	4/27	25,450	8.2	114.8	150.0	117.6	32.4
Foxhome	silty clay loam	conventional	Sugarbeet	144	4/28	31,472	3.5	164.3	187.3	173.6	13.7
Gwinner	loam	conventional	Soybean	100	5/20	29,750	1.4	151.6	162.4	146.6	15.8
Hawley	sandy loam	conventional	Corn	120	5/21	29,350	5.7	165.7	156.7	166.4	-9.7
Kindred	silty clay	conventional	Soybean	100	4/28	30,700	1.0	158.7	165.1	134.6	30.5

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

Season Overview



Preparation for F.I.R.S.T. plot planting. Seed from participating companies is stored on shelves at the far end of Mark Querna's farm shop. Two employees carefully prepare each corn hybrid or soybean variety's seed for test plot planting. Seed is counted for planting in individual rows. Each envelope contains seed for one planter box. Those envelopes are then arranged in boxes in planting order so the person riding the planter grabs the seed packet intended for the next plot and empties the contents into the planter row units. Accuracy is vital in all steps of the process.

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they were ready to harvest at the same time," Schleuning says. "We had a lot of variability across regions all year, but this was one of the driest, nicest and fastest harvests I can remember."

Schleuning says that weather varied widely across his plots. In the Michigan Thumb region, for example, he had some plots that received adequate rainfall and some that were moisture-deprived. "In those plots, you can make very good cross-comparisons [of individual hybrids] and see how they did across all areas. It's a great way to check the consistency of performance," Schleuning adds.

Many areas of the F.I.R.S.T. testing regions saw aboveaverage rainfall. "Southern lowa just got hammered," Meinsma says. "One of my farmers told me that they were 200% over average rainfall. We had water standing in fields that never had problems before. We had fields that were cross-tiled and still had water standing."

Tim Dozier, F.I.R.S.T. manager for Nebraska, calculates the state averaged 20 bu. to 25 bu. per acre below normal due to weather. "It was disappointing to see all the rainfall we had after we had really good planting. We hit the rapid growth period in June, and that's when we started getting multiple 3" to 4" rainfalls. Yields were hurt by too much moisture." Dozier also saw high winds in areas. Du Bois, Neb., saw 40–50 mph winds in June, and he experienced up to 70 mph winds at the Gretna and Cook locations. Du Bois withstood the June winds without lodging, but other areas weren't so lucky.

Mark Querna, F.I.R.S.T. manager for Minnesota, says winds of up to 50 mph in late October caused some hybrids to break off below the ear while they were freshly exposed during plot harvest. More than adequate moisture and warm temperatures meant roots didn't have to search for water all season and resulted in weaker stalks across multiple plots. "I noticed in corn that the stalks were thin and weak looking; these thin stalks were a result of rapid growth and shallow roots," Querna says.

In contrast, last year tough stalks were a necessity and a blessing for some South Dakota growers. Some spring planting was delayed in that area as some farmers were still harvesting their 2009 corn crop, Tollefson says. "Their crop was 30% [moisture] last fall. Those who had to wait [to harvest] actually did pretty well. It stood well. It dried down well and it harvested well." This year's harvest was the opposite; it went much faster than normal and conditions were favorable across all F.I.R.S.T. testing areas.

"Corn harvesting conditions were dry to the point that most farmers in our area didn't have to use dryers this year," Jason Beyers says. "We picked a lot of 33% corn last year. This year, most of the corn moisture tested right at 15%."

In areas where you wouldn't have expected problems, stressed plants reacted in unexpected ways this year. Eric Beyers comments that in his Virden, Ill., plot, yields dropped significantly partway through harvesting of a third replication. While trying to solve the mystery with the local F.I.R.S.T. farmer, he found out that it was a phenomenon that was happening in other fields too. The yield monitor showed sudden drop-offs in yield in various places. They finally surmised that it was due to compaction issues or a soil type difference.

"The physiological characteristics of the plant were the same, but it was showing up in the yield," Beyers says. "With combine monitors, GPS and good soil tests, you can really tell what's going on in the field. If you look at the data, think about what's going on and let it soak in, with just a little common sense even the really variable tests will give you great clues as to what is happening."



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Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Arlington	Bath**	Bemis	Cavour#	Clear Lake†
Rea	4T286	VT3	P250	158.5	17.3	3.6	\$664.5	1	131.6	167.3	176.6	42.8	153.2
Great Lakes	4555G3VT3	VT3	P250	154.0	20.4	1.7	\$633.7	3	128.8	164.2	172.3	89.0	120.7
Rea	4V653 96-20	VT3P VT3P	P250 P250	153.2	18.5	4.9 4.1	\$637.7 \$630.5	2 4	104.6 127.0	175.7 122.9	190.4	84.0 67.1	121.8 148.9
Gold Country Kruger	K-7495	VT3P	P250 P250	151.3 150.8	18.3 18.4	7.1	\$628.1	5	127.0	133.4	181.0 176.7	73.7	159.8
Dekalb	DKC46-60 GC	VT3	P250	149.0	18.7	2.3	\$619.5	7	122.1	145.4	171.9	81.4	147.0
Kruger	K-7593	VT3P	P250	148.3	17.1	4.6	\$622.5	6	93.7	161.4	177.0	47.9	132.9
AgVenture	R4926VBW	VT3	P250	146.4	19.3	11.7	\$606.5	9	94.5	153.6	177.3	92.4	135.7
Kruger	K-6194VT3	VT3	P500,V	145.5	17.8	6.3	\$608.2	8	87.9	152.9	180.0	88.5	126.4
Dekalb	DKC44-92 GC	RR2	P250	144.9	19.2	5.9	\$600.6	10	116.2	153.7	175.2	82.6	127.7
Stine	9311VT3Pro	VT3P	P250	143.5	17.9	5.9	\$599.5	11	99.1	128.3	183.4	84.1	139.9
old Country elders Choice	95-50 NG6455	VT3 VT3	P250 P250	143.0 141.4	17.4 18.8	7.6	\$599.2 \$587.5	12 16	98.9 108.4	154.3 134.8	184.6 176.9	48.8 92.8	110.8 116.5
fold Country	95-11	VT3	P250	141.1	16.7	2.3	\$593.7	13	113.3	121.3	164.8	61.6	146.9
Dekalb	DKC43-27 GC	VT3	P250	140.5	17.5	2.5	\$588.3	14	126.2	137.1	171.4	67.1	109.7
NuTech	G2 5H-696^	HX,RR2	C250	140.5	20.7	2.1	\$577.1	22	110.5	134.3	170.8	68.7	112.5
Fielders Choice	NG6420	VT3	P250	140.1	17.9	5.0	\$585.3	17	111.9	132.2	166.8	86.6	124.4
Fielders Choice	NG6446	VT3	P250	139.9	16.9	2.4	\$587.9	15	82.9	135.8	176.1	61.7	131.3
Mustang	4313VT3	VT3	P250	139.5	18.8	2.6	\$579.6	20	113.3	130.3	168.9	105.1	112.1
Pannar	4E-705	VT3	C250	138.7	17.6	3.3	\$580.5	19	99.1	137.7	173.6	86.9	123.2
King	4010GTCBLL 5004VT3	GT/CB/LL VT3	P250 P250	137.9 137.8	16.3 16.9	7.7 10.0	\$581.6 \$579.1	18 21	76.8 62.6	158.9 119.7	181.4 183.3	77.4 91.7	106.8 154.2
Producers Croplan	3424VT3 GC	VT3	C250	137.3	18.9	10.0	\$570.1	26	86.4	147.9	166.4	84.3	111.3
Pannar	5A-155	VT3	C250	137.3	18.3	4.6	\$570.1	24	127.7	122.2	165.4	69.0	108.8
Vustang	3026	GT/CB/LL	C250	137.0	16.5	7.9	\$577.1	23	78.5	122.8	176.3	86.3	126.7
Gold Country	96-22	SS	P250	137.0	19.4	6.9	\$567.2	29	100.2	146.6	181.9	100.0	98.8
Rea	3T544	VT3	C250	136.9	18.3	5.1	\$570.5	25	102.8	156.5	166.2	67.4	100.2
Pannar	5A-125	VT3	C250	136.5	18.7	8.1	\$567.5	28	98.1	123.8	168.3	88.5	123.6
/lycogen	2J337	VT3	C250	135.6	17.6	6.2	\$567.5	27	80.5	127.0	167.2	92.8	133.2
Mustang	4330VT3	VT3	P250	135.6	18.1	7.6	\$565.8	30	97.2	150.1	153.0	92.9	121.4
Channel Test Average =	195-99VT3 CK	VT3	C250	120.7 136.5	19.8 18.2	9.4 7.2	\$498.5 \$569.4	54	68.5 90.5	102.2 135.0	166.5 170.5	81.6 78.9	110.4 124.1
SD (0.10) =				15.7	1.4	n.s.	4000.4		25.1	25.2	12.0	28.5	25.5
,	EST 97 - 100 Day	CDM		10.7	111	11.0.			20.1	20.2	12.0		0 of 36
	5784VT3		2050				\$645.5	1		40= 4		Top 3	0 01 30
Producers				1527		17			1470		100 E	02.0	106.2
Jekalh		VT3	P250	153.7	17.0 17.2	1.7 7.0			147.8 126.1	165.4 160.2	188.5	83.9 84.0	
	DKC50-66 GC	VT3	P250	147.6	17.2	7.9	\$619.2	2	126.1	169.2	184.8	84.0	107.2
Fielders Choice	DKC50-66 GC NG6510	VT3 VT3	P250 P250	147.6 147.2	17.2 18.7	7.9 1.3	\$619.2 \$612.0	3	126.1 125.6	169.2 156.4	184.8 173.5	84.0 88.9	107.2 32.7
Dekalb Fielders Choice NuTech Wensman	DKC50-66 GC	VT3	P250	147.6	17.2	7.9	\$619.2	2	126.1	169.2	184.8	84.0	107.2 32.7 99.8
Fielders Choice NuTech	DKC50-66 GC NG6510 3T-401	VT3 VT3 VT3	P250 P250 C250	147.6 147.2 146.9	17.2 18.7 19.5	7.9 1.3 4.5	\$619.2 \$612.0 \$607.8	2 3 4	126.1 125.6 116.1	169.2 156.4 168.4	184.8 173.5 178.6	84.0 88.9 77.3	107.2 32.7 99.8 49.8
Fielders Choice NuTech Wensman AgVenture Mustang	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3	VT3 VT3 VT3 VT3 HX,RR2 VT3	P250 P250 C250 P250 C250 P250	147.6 147.2 146.9 144.0 143.8 143.7	17.2 18.7 19.5 19.3 17.3 16.8	7.9 1.3 4.5 1.3 2.3 3.0	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3	2 3 4 7 6 5	126.1 125.6 116.1 135.2 142.7	169.2 156.4 168.4 140.6 152.7 169.6	184.8 173.5 178.6 180.8 177.6 173.8	84.0 88.9 77.3 79.9 83.1 87.2	107.2 32.7 99.8 49.8 67.3 103.6
Fielders Choice NuTech Wensman AgVenture Mustang Stine	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3	P250 P250 C250 P250 C250 P250 P250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5	17.2 18.7 19.5 19.3 17.3 16.8 17.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7	2 3 4 7 6 5 8	126.1 125.6 116.1 135.2 142.7 123.8 103.7	169.2 156.4 168.4 140.6 152.7 169.6 171.0	184.8 173.5 178.6 180.8 177.6 173.8 168.9	84.0 88.9 77.3 79.9 83.1 87.2 84.5	107.2 32.7 99.8 49.8 67.3 103.6 48.0
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3	P250 P250 C250 P250 C250 P250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8	17.2 18.7 19.5 19.3 17.3 16.8 17.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9	2 3 4 7 6 5 8	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2	P250 P250 C250 P250 C250 P250 P250 P250 C250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8	2 3 4 7 6 5 8 10 13	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2 VT3P	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2	2 3 4 7 6 5 8 10 13	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 139.2	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6 1.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1	2 3 4 7 6 5 8 10 13 9 12	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3P	P250 P250 C250 P250 C250 P250 P250 C250 P250 P250 P250 P250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 139.2	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2	2 3 4 7 6 5 8 10 13	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 139.2	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6 1.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1	2 3 4 7 6 5 8 10 13 9 12	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3 VT3 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 139.2 137.8 137.4	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.4 \$572.3 \$567.5 \$567.5	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 181.8 175.8	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 137.4 136.3 135.8	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 15.4 18.6 16.8 17.4 19.8 17.4	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.4 \$572.3 \$567.5 \$567.5	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 181.8 175.8 173.8 179.3 168.4	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3	32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech SuTech	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 137.4 136.3 135.8 135.7	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 16.8 19.8 17.4 19.8 17.4 21.1	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3	\$619.2 \$612.0 \$507.8 \$596.5 \$602.9 \$604.3 \$595.7 \$578.8 \$590.2 \$579.1 \$579.4 \$572.3 \$567.5 \$567.5 \$567.5 \$571.1	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1	184.8 173.5 178.6 180.8 177.6 168.9 168.2 176.3 190.7 168.8 181.8 175.8 173.8 179.3 168.4 173.6	84.0 88.9 77.3 79.9 83.1 87.2 84.5 84.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Gold Country NuTech	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^*	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 C250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 136.3 135.7 135.1	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6 1.5 6.9 2.6 2.6 9.2 1.5 1.3	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$599.2 \$579.4 \$572.3 \$567.5 \$571.1 \$556.4 \$5564.0	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15	126.1 125.6 116.1 135.2 142.7 123.7 122.0 111.7 113.5 127.3 95.9 127.0 83.5 110.5 125.4	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 181.8 175.8 173.8 179.3 168.4 173.6 174.2	84.0 88.9 77.3 79.9 83.1 87.2 84.5 84.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Gold Country NuTech Kruger	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250	147.6 147.2 146.9 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 136.3 135.8 135.7 135.7	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 2.6 9.2 1.5 1.3 2.9 1.3	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.1 \$576.4 \$575.5 \$571.1 \$556.4 \$572.0 \$559.7	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.0 123.6 83.5 110.5 110.5 110.6 116.4 116.4	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2	84.0 88.9 77.3 79.9 83.1 84.5 88.3 81.5 46.5 64.0 76.7 76.8 64.2 64.3 98.5 63.1	107.2 32.7 99.8 49.8 61.3 103.6 48.0 90.7 71.3 91.9 76.4 77.7 101.5 74.7 118.0 85.3
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech NuTech Gold Country NuTech Kruger Wensman	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro	VT3 VT3 VT3 VT3 HX,RR2 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3 VT3 VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3	P250 P250 C250 P250 C250 P250 C250 P250 P250 C250 P250 C250 P250 C250 C250 C250 C250 C250 C250 C250 C	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 136.3 135.8 135.7 135.7	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$572.3 \$567.5 \$571.1 \$556.4 \$572.0 \$559.7 \$556.1	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.0 123.6 83.5 110.5 125.4 116.9 109.6	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5	84.0 88.9 77.3 79.9 83.1 87.2 84.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 118.0 85.3 75.1
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech NuTech Gold Country NuTech Kruger Wensman	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3	P250 P250 C250 P250 C250 P250 C250 P250 P250 C250 P250 P250 C250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.4 137.4 136.3 135.8 135.7 135.7 134.7	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 4.4	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$577.3 \$567.5 \$571.1 \$556.4 \$572.0 \$556.4 \$559.7 \$556.1 \$559.7	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5 173.2	84.0 88.9 77.3 79.9 83.1 87.2 84.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 118.0 85.3 75.1
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Gold Country NuTech Kruger Wensman	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.8 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.4 \$572.3 \$567.5 \$571.1 \$556.4 \$556.4 \$556.5 \$556.1 \$559.3	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2 113.9	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5 173.5 173.5 173.5 173.8	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 77.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 118.0 85.3 75.1 72.9
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech NuTech Gold Country NuTech Kruger Wensman	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486	VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3 VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3 VT3P VT3	P250 P250 C250 P250 C250 P250 C250 P250 P250 C250 P250 P250 C250 P250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.4 137.4 136.3 135.8 135.7 135.7 134.7	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 4.4	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$577.3 \$567.5 \$571.1 \$556.4 \$572.0 \$556.4 \$559.7 \$556.1 \$559.7	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5 173.2	84.0 88.9 77.3 79.9 83.1 87.2 84.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 118.0 85.3 75.1 72.9 47.1 69.4
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Gold Country NuTech Kruger Wensman Mycogen Kruger	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.8 137.4 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9 130.9 129.3	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 16.8 17.4 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9 18.6 19.3	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3 2.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$604.3 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.4 \$577.3 \$567.5 \$571.1 \$556.4 \$572.0 \$564.0 \$559.7 \$556.1 \$555.3 \$554.5 \$554.5	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2 113.9 106.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.3 131.6 116.2 138.5 141.3	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 181.8 173.8 179.3 168.4 173.6 174.2 172.5 173.2 166.5 181.8 169.6	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0	107.2 32.7 99.8 49.8 61.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 118.0 85.3 75.1 72.9 47.1 69.4
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Sold Country NuTech Kruger Wensman Mycogen Kruger NuTech Kruger NuTech Kruger Mensman Mycogen Kruger	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^ 5090G3VT3 5B-960 G2 5X-598A^	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.3 139.2 137.8 137.4 136.3 135.7 135.1 134.7 132.4 131.9 130.9 129.3	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9 18.9 19.9	7.9 1.3 4.5 1.3 2.3 3.0 4.5 3.5 7.0 3.6 1.5 6.9 2.6 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3 2.5 2.5	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$572.3 \$567.5 \$571.1 \$556.4 \$572.0 \$564.3 \$559.7 \$556.1 \$554.3 \$535.2 \$535.2 \$535.2	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26 25	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2 113.9 106.5 117.7	169.2 156.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3 136.2 133.6 113.2	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 173.8 175.8 173.8 179.3 168.4 174.2 172.5 173.2 166.5 181.8 174.2	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 64.0 66.2 76.7 76.8 64.2 64.3 98.5 63.1 72.5 77.0 59.7 62.4 60.9	107.2 32.7 99.8 49.8 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 118.0 85.3 75.1 72.9 47.1 69.4
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech KuTech WuTech Kutech Kruger Wensman Mycogen Kruger NuTech Great Lakes Pannar	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^ 5090G3VT3 5B-960	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 VT3 RR2 VT3P HXT,RR2 VT3 VT3 VT3 VT3P VT3 S000GT VT3 HX,RR2 VT3 VT3P SS VT3 VT3P SS VT3 VT3P SS VT3 VT3P SS VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.8 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9 130.9 129.3 129.2 129.1	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.0 18.8 17.0 16.9 18.9 17.0 16.9 17.0 18.9 18.9 17.0 18.9	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3 2.5 3.3	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$578.8 \$595.7 \$579.1 \$579.4 \$572.3 \$567.5 \$571.1 \$556.4 \$572.0 \$564.3 \$559.7 \$556.1 \$554.3 \$559.7 \$555.2 \$535.0 \$535.2	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26 25 24	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.0 123.6 83.5 110.5 110.5 116.4 116.9 109.6 93.2 113.9 106.5 117.7 111.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3 136.2 133.6 113.2 149.6 163.7 160.2	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 171.8 173.8 179.3 168.4 173.2 166.5 174.2 172.5 173.2 166.5 181.8 169.6 180.8 154.4 154.9 165.9	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 79.5 77.0 59.7 62.4 60.9 67.3	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 118.0 85.3 75.1 72.9 47.1 69.4 93.9 79.6 56.1
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Sold Country NuTech Wensman Pannar Gold Country NuTech Kruger Wensman Mycogen Kruger NuTech Great Lakes Pannar Mycogen Kruger NuTech AgVenture Mycogen	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^ 5090G3VT3 5B-960 G2 5X-598A^ RL6157HBW 2H490	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 C250 C250 C250 C250 C250 C250 C	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 139.2 137.8 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9 129.3 129.2 129.1 127.8 127.7 124.5	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.6 16.9 18.6 19.5 19.3 17.0 16.9 17.0 18.6 19.3 17.0 18.6 19.3 17.0 18.6 19.3 17.0 18.6 19.3	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3 2.5 2.5 3.6 6.3 4.4 11.8	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$577.1 \$579.4 \$572.0 \$564.5 \$572.0 \$556.1 \$556.1 \$555.3 \$555.3 \$555.3 \$555.3 \$555.3 \$554.5 \$535.0 \$535.2 \$530.2 \$530.2 \$530.2 \$530.2 \$530.2 \$559.3	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26 25 24 27 28 29	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2 113.9 106.5 117.7 111.5 105.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3 136.2 133.6 113.2 149.6 149.1 149.1 159.1 14	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5 173.2 166.5 181.8 169.6 180.8 154.9 165.9	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0 59.7 62.4 60.9 67.3 67.4	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 18.0 85.3 75.1 72.9 47.1 69.4 93.9 79.6 56.1 74.8
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Gold Country NuTech Kruger Wensman Mycogen Kruger NuTech Great Lakes Pannar NuTech Mycogen Kruger NuTech Great Lakes Pannar NuTech Great Lakes Pannar NuTech Great Lakes Pannar NuTech Great Lakes Pannar NuTech Mycogen Producers	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^ 5090G3VT3 5B-960 G2 5X-598A^ RL6157HBW 2H490 5804VT3Pro	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 C250 P250 P250 C250 P250 C250 P250 C250 C250 C250 C250 P250 C250 C250 C250 C250 C250 C250 C250 C	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 137.8 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9 129.3 129.2 129.1 127.8 127.7 124.5 123.2	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 17.4 21.1 16.4 18.0 18.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3 17.0 19.3	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 2.9 1.3 4.4 7.3 2.5 2.5 3.3 6.6 3.4 11.8 6.6	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$579.1 \$579.4 \$572.3 \$567.5 \$571.1 \$556.4 \$572.0 \$556.3 \$555.1 \$556.3 \$535.2 \$535.2 \$535.2 \$535.2 \$535.2 \$535.2	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26 25 24 27 28 29 30	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 93.2 113.9 106.5 117.7 111.5 105.5 99.5 60.3 96.7	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3 136.2 133.6 113.2 149.6 113.2 149.6 113.2 149.6 113.2 149.6 113.2	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 173.6 174.2 172.5 173.5 166.5 181.8 169.6 180.8 154.4 154.9 165.9	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0 59.7 62.4 60.9 67.3 61.4 89.0 46.9	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 118.0 85.3 75.1 69.4 93.9 79.6 56.1 74.8 85.3 75.1 69.4 93.9 79.6 56.4 77.8 85.3 75.1 69.4 93.9 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 83.8 79.6 84.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.6 85.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79
Fielders Choice NuTech Wensman AgVenture Mustang Stine NuTech Stine Great Lakes NuTech Wensman Pannar Gold Country NuTech Sold Country NuTech Wensman Pannar Gold Country NuTech Kruger Wensman Mycogen Kruger NuTech Great Lakes Pannar Mycogen Kruger NuTech AgVenture Mycogen	DKC50-66 GC NG6510 3T-401 W7273VT3 RL5039HB 4367VT3 9417VT3 3T-300 9421RR 4840VT3PR0 G2 5X-500^ W7267VT3 5D-303 98-90 3T-098 5N-001 94-29 G2 5H-999^* K-6399VT3 W7270VT3Pro 2P486 K-6102VT3 G2 5H-700^ 5090G3VT3 5B-960 G2 5X-598A^ RL6157HBW 2H490	VT3 VT3 VT3 VT3 VT3 HX,RR2 VT3 VT3 RR2 VT3P HXT,RR2 VT3	P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 C250 C250 C250 C250 C250 C250 C	147.6 147.2 146.9 144.0 143.8 143.7 142.5 139.8 139.2 139.2 139.2 137.8 137.4 136.3 135.8 135.7 135.1 134.7 132.4 131.9 129.3 129.2 129.1 127.8 127.7 124.5	17.2 18.7 19.5 19.3 17.3 16.8 17.8 18.5 18.8 15.4 18.6 16.8 18.4 19.8 17.4 21.1 16.4 18.6 16.9 18.6 19.5 19.3 17.0 16.9 17.0 18.6 19.3 17.0 18.6 19.3 17.0 18.6 19.3 17.0 18.6 19.3	7.9 1.3 4.5 1.3 2.3 3.0 4.5 7.0 3.6 1.5 6.9 2.6 9.2 1.5 1.3 2.9 1.3 8.1 4.4 7.3 2.5 2.5 3.6 6.3 4.4 11.8	\$619.2 \$612.0 \$607.8 \$596.5 \$602.9 \$595.7 \$581.9 \$578.8 \$590.2 \$577.1 \$579.4 \$572.0 \$564.5 \$572.0 \$556.1 \$556.1 \$555.3 \$555.3 \$555.3 \$555.3 \$555.3 \$554.5 \$535.0 \$535.2 \$530.2 \$530.2 \$530.2 \$530.2 \$530.2 \$559.3	2 3 4 7 6 5 8 10 13 9 12 11 14 17 16 20 15 18 19 21 22 23 26 25 24 27 28 29	126.1 125.6 116.1 135.2 142.7 123.8 103.7 122.0 111.7 113.5 127.3 95.9 127.0 123.6 83.5 110.5 125.4 116.4 116.9 109.6 93.2 113.9 106.5 117.7 111.5 105.5	169.2 156.4 168.4 140.6 152.7 169.6 171.0 154.9 155.3 174.6 167.6 160.8 143.2 142.8 174.4 169.1 131.6 116.2 138.5 141.7 151.3 136.2 133.6 113.2 149.6 113.2 149.6 149.1	184.8 173.5 178.6 180.8 177.6 173.8 168.9 168.2 176.3 190.7 168.8 175.8 173.8 179.3 168.4 173.6 174.2 172.5 173.2 166.5 181.8 169.6 180.8 154.9 165.9	84.0 88.9 77.3 79.9 83.1 87.2 84.5 88.3 81.5 46.5 64.0 66.2 76.7 76.8 64.2 64.3 69.7 98.5 63.1 72.5 77.0 59.7 62.4 60.9 67.3 67.4	107.2 32.7 99.8 49.8 67.3 103.6 48.0 90.7 71.3 91.9 76.4 70.8 112.6 61.7 77.7 101.5 74.7 18.0 85.3 75.1 72.9 47.1 69.4 93.9 79.6 56.1 74.8

** = 2 replications; # = rejected results, not included in summary; \dag = full test rejected





Yield Range: 30.1 to 194.0 bu. per acre Yield Average: 125.5 bu. per acre Top \$ Per Acre: \$814.30

Field Notes: South Dakota Northeast

Mark Tollefson, FIRST Manager

Arlington – Despite rainy weather, this plot was in good shape through the middle of June due to being located on a hillside. More heavy rains and saturated soils throughout the summer caused some crop stress. Yields were impacted most by a strong July windstorm that caused considerable green snap. The lodging score reflects the level of green-snap damage. The average yield here was 90.5 bu. per acre for the early-season test and 105 bu. per acre for the full-season test.

Cavour – This was a tough year in the Huron area. In the middle of June, everything was looking good, but that would not prove to last. Mother Nature had her own plans. More heavy rains and winds took their toll, causing green snap. Most of the early summer saw excessive moisture as the main issue, but by August it was too hot and dry. The data for both the early- and full-season tests here have been rejected.

Bemis –This was our highest-producing test of the region, and not without reason. We had a nice even stand of corn and no lodging problems. Plenty of rain kept this field moist throughout the summer, giving in only to a drier fall, which made for exceptional harvest conditions. There were many drownedout spots in the surrounding fields but good drainage in the plot helped to produce some very nice corn.

Bath – We had a wet spring here in the Bath area and soils were saturated. (Fitting name, Bath!) Planting was delayed until May 20 before the soils dried out enough to plant. Only a couple weeks after planting, this area had a six-inch rain that took out some of the plot (replication two), as the water did not drain. The corn that survived the spring rain looked good and the average yields were 135 bu. per acre in the early test and 147.6 bu. per acre in the full-season test.

Clear Lake – Clear Lake is another area that got hit with heavy rains in both June and July. This site did not drain well and some low spots in the plot got damaged by standing water and saturated soils. There were no lodging problems here despite a water-stressed crop. A later-than-ideal planting date and water damage made corn moistures variable. The data collected here for the full-season test has been rejected while the data for the early-season test is still statistically valid.

Howard – Heavy rains in the area did not avoid this test plot. Here in Howard, we received our share of the precipitation, but fortunately this plot did drain well. We were able to grow a nice, even field with good stand and no real lodging issues. The full-season test yielded better here, as weather conditions seemed to favor the later maturities. Harvest conditions here were very nice.

Test Site D	escription					Test	Avera	ge	Yield Chec	k Comparison ((Channel 195-99VT3)
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Arlington	silty clay loam	no-till	Soybean	190	5/5	27,050	25.2	97.8	68.5	89.6	-21.1
Bath	silt loam	minimum	Soybean	180	5/20	27,150	1.4	141.3	102.2	120.2	-18.0
Bemis	silty clay loam	conventional	Hay	150	5/5	29,450	1.0	172.2	166.5	156.1	10.4
Cavour	sandy loam	minimum	Soybean	120	5/4	24,900	8.8	75.5	81.6	77.8	3.8
Clear Lake	silty clay loam	conventional	Soybean	120	5/28	27,100	1.3	99.9	110.4	66.9	43.5
Howard	loam	no-till	Soybean	140	5/5	27,400	1.5	166.2	155.7	165.3	-9.6

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

	TEST 99 - 104 Da	y CRM										Top 3	0 of 51	tested
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Beresford⁺	Chancellor	Cotton	Ethan	Flandreau	Salem**
NuTech	G2 5H-105^	HX,RR2	C250	189.5	16.7	1.2	\$797.3	2	162.3	208.5	201.7	183.6	176.8	203.9
NuTech Dekalb	3T-401 DKC50-44 GC	VT3 VT3	C250 P250	188.9 183.2	15.2 15.0	1.3	\$801.9 \$778.6	1 4	172.2 128.5	209.1 197.1	215.6 198.5	163.1 170.4	166.3 193.7	207.1 211.0
Dekalb	DKC52-59 GC	VT3	P250	181.5	13.6	1.2	\$777.7	5	154.2	218.9	191.6	142.9	171.9	209.2
Rea	5T577	VT3	P250	181.2	14.4	1.0	\$772.8	6	142.9	204.0	194.6	154.4	183.0	208.3
NuTech Kruger	5N-803 K-6201VT3	3000GT VT3	C250 P250	180.5 180.4	15.4 15.3	1.6	\$765.3 \$765.3	8 7	151.2 145.5	190.1 208.1	206.1 188.8	151.6 166.1	169.9 172.0	214.3 201.9
Kruger	K-7302	VT3P	P250	179.1	15.3	1.5	\$759.8	9	156.4	191.1	195.0	167.4	168.8	195.8
Mustang	6460	3000GT HX,RR2	C250	178.3	16.2	1.5 1.3	\$752.4	13 11	146.8 140.4	192.7	197.9 196.9	151.1	179.8 182.9	201.6
NuTech Wensman	G2 5H-700^ W7273VT3	VT3	C250 P250	177.4 177.0	15.0 14.3	1.3	\$754.0 \$755.3	10	128.1	181.2 196.8	190.9	166.5 160.0	176.6	196.5 209.0
Great Lakes	5416G3VT3	VT3	P250	177.0	15.6	1.2	\$749.6	16	124.5	196.7	191.8	170.1	177.1	202.0
Gold Country Heine	101-99 745VT3	SS VT3	P250 P250	176.9 176.9	16.1 17.2	1.6 1.0	\$747.0 \$742.1	18 21	137.4 128.9	205.7 199.0	201.8 192.4	144.6 163.8	161.2 165.3	210.9 211.8
Kruger	K-6102VT3	VT3	C250	176.4	14.3	1.2	\$752.8	12	144.6	199.3	188.7	153.6	168.0	204.4
Gold Country	102-05	VT3	P250	176.1	14.3	1.0	\$751.5	14	138.4	190.9	190.3	160.1	178.5	198.2
NuTech Pannar	3T-603 6D-409	VT3 VT3	C250 C250	175.9 175.5	17.4 14.1	1.2 1.5	\$737.0 \$749.8	22 15	146.9 150.7	189.0 203.7	192.8 198.0	157.5 139.0	166.6 161.2	202.6 200.5
Heine	742VT3	VT3	P250	175.3	15.4	1.6	\$743.3	20	148.4	184.4	189.4	160.5	173.3	195.7
Producers	6364GT3	3000GT	C250	174.6	17.5	1.8	\$731.1	27	149.8	192.0	203.6	151.1	165.2	186.0
Wensman Dekalb	W7270VT3Pro DKC50-66 GC	VT3P VT3	P250 P250	174.3 173.6	13.0 13.7	2.1 1.2	\$749.5 \$743.4	17 19	139.8 118.5	180.2 182.8	193.2 200.7	162.6 164.4	172.0 169.5	197.9 205.6
NuTech	G2 5H-502^	HX,RR2	C250	173.4	15.9	1.3	\$733.0	25	127.4	174.3	200.4	166.7	170.1	201.3
Gold Country	98-90	VT3P	P250	173.3	15.0	1.0	\$736.5	23	141.8	186.6	183.7	160.2	178.9	188.8
Kruger Rea	K-6399VT3 4A918	VT3 RR2	P250 P250	172.3 171.7	14.2 14.8	1.6 1.7	\$735.7 \$730.6	24 28	137.8 145.0	203.2 190.2	174.9 190.5	141.4 149.1	169.4 162.5	206.9 192.8
Pannar	5D-303	VT3	C250	171.1	13.9	2.1	\$731.9	26	134.1	185.3	185.2	158.4	173.8	189.7
Mustang	5307VT3	VT3	P250	170.7	14.1	2.8	\$729.3	29	134.4	186.1	206.4	137.5	162.4	197.1
Wensman Dekalb	W6307RR DKC53-45 GC	RR2 SS	P250 P250	170.5 170.4	14.7 15.6	2.1 1.0	\$725.9 \$721.6	30 31	119.5 134.9	182.5 190.9	189.1 182.4	152.2 154.0	181.7 162.6	197.7 197.6
Channel	201-13VT3 CK	VT3	C250	185.9	15.4	2.4	\$788.2	3	161.3	202.8	202.8	170.9	162.3	215.5
Test Average = LSD (0.10) =				171.5 10.0	1 5.3 0.8	1.9 2.7	\$727.6		136.6 21.5	189.1 11.4	191.2 11.9	148.8 18.0	168.0 12.1	195.3 14.8
	EST 105 - 108 Da	v CRM		10.0	0.0	2.1			21.5	11.4	11.9		of 33 t	
Kruger	K-6006VT3	VT3	0050											
NuTech			(250)	182.8	17.7	1.7	\$764.6	1	160.2	200.6	199.4			
	G2 5H-607^	HX,RR2	C250 C250	182.8 182.0	17.7 19.3	1.7 2.0	\$764.6 \$753.9	1 3	160.2 114.4	200.6 217.3	199.4 214.5	171.7 174.2	170.3 165.1	194.5 206.6
Fielders Choice	G2 5H-607^ NG6726	HX,RR2 VT3	C250 P250	182.0 179.6	19.3 20.4	2.0 1.8	\$753.9 \$739.1	9	114.4 119.2	217.3 220.7	214.5 201.0	171.7 174.2 171.3	170.3 165.1 158.4	194.5 206.6 206.7
Wensman	G2 5H-607^ NG6726 W7455VT3	HX,RR2 VT3 VT3	C250 P250 P250	182.0 179.6 179.4	19.3 20.4 18.9	2.0 1.8 1.0	\$753.9 \$739.1 \$745.0	3 9 5	114.4 119.2 141.6	217.3 220.7 210.3	214.5 201.0 185.9	171.7 174.2 171.3 173.1	170.3 165.1 158.4 155.3	194.5 206.6 206.7 210.4
Wensman Renze LG Seeds	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro	HX,RR2 VT3 VT3 VT3 VT3P	C250 P250 P250 C250 P250	182.0 179.6 179.4 177.8 177.8	19.3 20.4 18.9 15.2 16.7	2.0 1.8 1.0 1.5 1.2	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1	3 9 5 2 4	114.4 119.2 141.6 135.6 127.6	217.3 220.7 210.3 203.2 218.1	214.5 201.0 185.9 200.5 196.9	171.7 174.2 171.3 173.1 168.6 182.9	170.3 165.1 158.4 155.3 160.6 155.3	194.5 206.6 206.7 210.4 198.4 185.7
Wensman Renze LG Seeds Renze	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2	HX,RR2 VT3 VT3 VT3 VT3P RR2	C250 P250 P250 C250 P250 C250	182.0 179.6 179.4 177.8 177.8 177.6	19.3 20.4 18.9 15.2 16.7 18.2	2.0 1.8 1.0 1.5 1.2 2.1	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6	3 9 5 2 4 7	114.4 119.2 141.6 135.6 127.6 140.3	217.3 220.7 210.3 203.2 218.1 209.3	214.5 201.0 185.9 200.5 196.9 202.5	171.7 174.2 171.3 173.1 168.6 182.9 160.6	170.3 165.1 158.4 155.3 160.6 155.3 158.6	194.5 206.6 206.7 210.4 198.4 185.7 194.5
Wensman Renze LG Seeds Renze Stine	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P	C250 P250 P250 C250 P250 C250 P250	182.0 179.6 179.4 177.8 177.8 177.6 176.9	19.3 20.4 18.9 15.2 16.7 18.2 20.6	2.0 1.8 1.0 1.5 1.2 2.1 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1	3 9 5 2 4 7 13	114.4 119.2 141.6 135.6 127.6 140.3 127.5	217.3 220.7 210.3 203.2 218.1 209.3 214.2	214.5 201.0 185.9 200.5 196.9 202.5 215.7	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4
Wensman Renze LG Seeds Renze Stine Great Lakes Heine	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PR0 810VT3PR0	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P	C250 P250 P250 C250 P250 C250 P250 C250 P250 P250 P250 P250	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 176.8	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7	2.0 1.8 1.0 1.5 1.2 2.1 1.0 1.0 2.3	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6	3 9 5 2 4 7 13 6	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PR0 810VT3PR0 5N-804	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P S000GT	C250 P250 P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 176.8	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7	2.0 1.8 1.0 1.5 1.2 2.1 1.0 1.0 2.3	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1	3 9 5 2 4 7 13 6 11	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PR0 810VT3PR0	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	C250 P250 P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 176.8 175.7 175.1	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3	3 9 5 2 4 7 13 6 11 8	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Heine Pioneer	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PRO 810VT3PRO 5N-804 798VT3 755VT3 35F44 GC	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	C250 P250 P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250 C250	182.0 179.6 179.4 177.8 177.6 176.9 176.8 176.8 175.7 175.1 172.1	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1	3 9 5 2 4 7 13 6 11 8 12 14 15	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Heine Pioneer Stine	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PRO 810VT3PRO 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pro	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$730.6 \$729.3 \$729.3 \$724.1 \$721.1 \$696.7	3 9 5 2 4 7 13 6 11 8 12 14 15 26	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 200.5 195.3 193.2 189.3 175.6	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8 195.8
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Heine Pioneer Stine NuTech	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PRO 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pro G2 5H-005^	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P S000GT VT3 VT3 HXT,RR2 VT3P HX,RR2	C250 P250 P250 P250 C250 P250 C250 P250 C250 P250 P250 P250 C250 P250 P250 P250 C250 P250 C250	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 170.5	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$7740.1 \$729.3 \$724.1 \$721.1 \$696.7 \$711.4	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 200.5 195.3 193.2 189.3 175.6 187.6	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 163.2 169.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 169.6 159.8 160.1 150.5 123.0	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8 195.8 205.5
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Heine Pioneer Stine	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PRO 810VT3PRO 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pro	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$729.3 \$724.1 \$711.4 \$714.0 \$715.6	3 9 5 2 4 7 13 6 11 8 12 14 15 26	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 200.5 195.3 193.2 189.3 175.6	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8 195.8
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pro 7270RR2 9531VT3Pro 5643VT3PRO 810VT3PRO 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pro G2 5H-005^ 2J597 K-6408VT3 NG6646	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 VT3 VT3 HXT,RR2 VT3P HX,RR2 SS VT3 VT3 VT3	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.3	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.2	\$753.9 \$739.1 \$7745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$749.1 \$729.3 \$729.3 \$724.1 \$721.1 \$696.7 \$711.4 \$705.6 \$705.6	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 118.6 105.8 128.8	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 775.6 187.6 198.1 196.4	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 163.2 169.3 151.5 167.9	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 160.1 150.5 123.0 163.2 163.2	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8 195.5 185.5 188.8 181.3
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P S000GT VT3 VT3 HXT,RR2 VT3P HX,RR2 SS VT3 VT3 VT3 VT3 VT3	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 C250	182.0 179.6 179.4 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.8 169.2 168.8	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	\$753.9 \$739.1 \$7745.0 \$754.8 \$7748.1 \$740.6 \$7727.1 \$742.6 \$730.6 \$7740.1 \$729.3 \$724.1 \$711.4 \$711.4 \$711.4 \$714.0 \$700.9	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 105.8 128.8 136.2	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 198.1 196.4 196.5 172.5	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 169.3 151.5 167.9	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 195.8 205.5 185.5 185.8 181.3 174.0
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Producers Dairyland	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 33F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 VT3 VT3 HXT,RR2 VT3P HX,RR2 SS VT3	C250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.3	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.9	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.8 1.2 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$721.1 \$696.7 \$711.4 \$705.6 \$709.8 \$698.0	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 118.6 105.8 128.8 136.2 113.4 109.1	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 775.6 187.6 198.1 196.4	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 163.2 169.3 151.5 167.9	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 160.1 150.5 123.0 163.2 163.2	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 205.5 185.5 185.5 185.5 185.5 185.5 185.5 185.5 185.5
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Dairyland Mustang	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q 6317VT3	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3	C250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 177.5 169.8 169.3 169.2 168.8 168.7 168.5	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.8 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$748.1 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$721.1 \$711.4 \$705.6 \$711.4 \$705.6 \$714.4 \$709.9 \$709.9 \$709.9	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 105.8 128.8 136.2 113.4 109.1	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.8	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 187.6 198.1 196.4 195.5 172.5 172.5 186.3	171.7 174.2 171.3 173.1 168.6 182.9 160.6 1 78.5 165.8 166.1 173.9 156.3 162.9 167.5 169.3 151.5 167.9 152.5 179.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9 155.3 156.0 151.3	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 199.0 200.8 205.5 185.5 188.8 181.3 174.0 185.4 185.7 185.9
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Producers Dairyland	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 33F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 VT3 VT3 HXT,RR2 VT3P HX,RR2 SS VT3	C250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.3 169.2 168.8 168.7	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.9	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.8 1.2 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$721.1 \$696.7 \$711.4 \$705.6 \$709.8 \$698.0	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 118.6 105.8 128.8 136.2 113.4 109.1	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 198.1 196.4 195.5 172.5 186.3 193.2	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 169.3 151.5 167.5 169.3 151.5 169.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.0 153.9 156.0 151.3	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 205.5 185.5 185.5 185.5 185.5 185.5 185.5 185.5 185.5
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Producers Dairyland Mustang Wensman Fielders Choice Wensman	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q 6317VT3 W7473VT3 NG6696 W7433VT3	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3 VT3 HXT,RR2 VT3	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.8 169.2 168.8 168.7 168.5 168.7 168.1	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3 17.0 18.4 18.4 18.4 18.5 18.4 18.5	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 1.5 1.8 1.9 1.0 1.0 1.3 1.5 1.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$711.4 \$711.4 \$711.4 \$700.9 \$709.8 \$698.0 \$703.9 \$692.6 \$697.2 \$705.2	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22 27 25 21	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 105.8 128.8 136.2 113.4 109.1 135.7 117.0 142.1 99.2	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.3 195.9 201.3 201.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 198.1 196.4 196.4 196.5 172.5 186.3 193.2	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 167.5 169.3 151.5 167.9 152.5 179.3 164.9 161.3 160.0 169.2 165.2 168.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9 156.0 151.3 150.0 158.8 159.8	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 195.8 205.5 185.5 185.5 188.8 181.3 174.0 185.4 201.7 170.6 189.0 169.6 189.0 169.6 181.2
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Producers Dairyland Mustang Wensman Fielders Choice Wensman Mycogen	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q 6317VT3 W7473VT3 NG6696 W7433VT3 2K594	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 HXT,RR2 VT3	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.8 168.8 168.7 168.5 168.1 168.0 167.7 167.3	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3 17.5 20.6 17.0 19.7 10.5 10.7	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 1.3 1.5 1.8 1.2 1.0 3.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$722.1 \$721.1 \$711.4 \$711.4 \$700.9 \$703.9 \$698.0 \$703.9 \$692.2	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22 27 25 21 28	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 118.6 105.8 128.8 136.2 113.4 109.1 135.7 117.0 142.1 99.2 106.2	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.8 195.9 201.3 201.9 199.8	214.5 201.0 185.9 200.5 196.9 198.9 193.2 200.5 195.3 195.6 187.6 198.1 196.4 195.5 172.5 186.3 193.2 187.6 195.5 172.5 187.6 195.1 196.3 195.2 195.3 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.5 195.6 195.7 196.3 19	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.2 169.3 151.5 167.9 164.9 161.3 160.0 169.2 168.3 168.6	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9 156.0 151.3 150.0 158.4 162.3 155.4	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 200.8 205.5 185.5 185.5 185.8 181.3 174.0 185.4 201.7 170.6 189.0 169.6 181.2 171.7
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Producers Dairyland Mustang Wensman Fielders Choice Wensman	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST9206Q 6317VT3 W7473VT3 NG6696 W7433VT3	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 HXT,RR2 VT3	C250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.8 169.2 168.8 168.7 168.5 168.7 168.1	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3 17.0 18.4 18.4 18.4 18.5 18.4 18.5	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 1.5 1.8 1.9 1.0 1.0 1.3 1.5 1.8 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$724.1 \$711.4 \$711.4 \$711.4 \$700.9 \$709.8 \$698.0 \$703.9 \$692.6 \$697.2 \$705.2	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22 27 25 21	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 105.8 128.8 136.2 113.4 109.1 135.7 117.0 142.1 99.2	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.3 195.9 201.3 201.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 198.1 196.4 196.4 196.5 172.5 186.3 193.2	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 167.5 169.3 151.5 167.9 152.5 179.3 164.9 161.3 160.0 169.2 165.2 168.3	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9 156.0 151.3 150.0 158.8 159.8	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 195.8 205.5 185.5 185.5 185.5 185.4 201.7 170.6 189.0 169.6 189.0 169.6 181.2
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine Mycogen Kruger Fielders Choice Producers Dairyland Mustang Wensman Fielders Choice Wensman Mycogen Stine NuTech NuTech Mustang Wensman Fielders Choice Wensman Mycogen Stine NuTech NuTech	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 ST9206Q 6317VT3 W7473VT3 NG6696 W7433VT3 2K594 9608 Smart Stax G2 5X-007^ 3A-406	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3 VT3 HXT,RR2 VT3	C250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 177.5 169.8 169.3 169.2 168.8 168.7 168.5 168.1 168.0 167.7 167.3 166.6 162.0 161.0	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3 17.5 20.1 18.7 16.8 18.9	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 3.0 1.2 1.6 1.3 1.2 1.0 1.0 1.2 2.5	\$753.9 \$739.1 \$7745.0 \$754.8 \$748.1 \$740.6 \$7727.1 \$742.6 \$730.6 \$770.6 \$729.3 \$729.3 \$724.1 \$721.1 \$696.7 \$711.4 \$700.9 \$705.6 \$714.4 \$700.9 \$692.6 \$692.2 \$697.2 \$692.2 \$667.4 \$654.4	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22 27 25 21 28 30 29 31	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 105.8 128.8 136.2 113.4 109.1 135.7 117.0 142.1 99.2 106.2 121.0 108.4	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.2 184.0 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.8 195.9 201.3 201.9 199.9 199.9 199.9 160.1 184.9	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 187.6 198.1 196.4 195.5 172.5 186.3 193.2 185.6 177.9 172.7 191.1 197.6 196.1 199.7 192.7	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 167.9 152.5 179.3 164.9 161.3 160.0 169.2 165.2 168.3 168.6 168.6 155.4 144.4	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 168.6 159.8 160.1 150.5 123.0 163.2 157.0 161.6 153.9 156.0 151.3 150.0 158.8 155.4 162.3 155.4 162.3 155.4 163.7 138.8	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.9 200.8 205.5 185.5 185.5 185.5 185.4 201.7 170.6 189.0 169.6 181.2 171.4 203.8 189.1
Wensman Renze LG Seeds Renze Stine Great Lakes Heine NuTech Heine Pioneer Stine NuTech Mycogen Kruger Fielders Choice Producers Dairyland Mustang Wensman Fielders Choice Wensman Mycogen Stine NuTech	G2 5H-607^ NG6726 W7455VT3 1219VT3 LG2529VT3Pr0 7270RR2 9531VT3PR0 810VT3PR0 5N-804 798VT3 755VT3 35F44 GC 9528VT3Pr0 G2 5H-005^ 2J597 K-6408VT3 NG6646 6944VT3 6634VT3 ST92060 6317VT3 W7473VT3 NG6696 W7433VT3 2K594 9608 Smart Stax G2 5X-007^	HX,RR2 VT3 VT3 VT3 VT3P RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3 VT3 VT3 VT3 HXT,RR2 VT3	C250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	182.0 179.6 179.4 177.8 177.8 177.6 176.9 176.8 175.7 175.1 172.1 172.0 171.5 169.8 169.3 169.2 168.8 168.7 168.5 168.1 168.0 167.7 167.3 166.6 162.0	19.3 20.4 18.9 15.2 16.7 18.2 20.6 17.0 19.7 16.5 18.4 16.7 17.3 22.5 18.1 16.8 18.3 16.1 18.9 16.7 19.3 17.5 20.1 18.9	2.0 1.8 1.0 1.5 1.2 2.1 1.0 2.3 1.3 2.1 1.6 1.0 3.0 1.2 1.6 1.3 1.2 1.0 1.0 1.2 1.0 1.0 1.2	\$753.9 \$739.1 \$745.0 \$754.8 \$740.6 \$727.1 \$742.6 \$730.6 \$740.1 \$729.3 \$721.1 \$696.7 \$711.4 \$714.0 \$705.6 \$714.4 \$709.8 \$698.0 \$709.8 \$698.0 \$697.2 \$705.6 \$697.2 \$705.6	3 9 5 2 4 7 13 6 11 8 12 14 15 26 18 17 20 16 23 19 24 22 27 25 21 28 30 29	114.4 119.2 141.6 135.6 127.6 140.3 127.5 138.5 113.1 152.3 126.1 121.2 130.5 147.1 149.6 118.6 105.8 128.8 136.2 113.4 109.1 135.7 117.0 142.1 99.2 126.2 121.0	217.3 220.7 210.3 203.2 218.1 209.3 214.2 210.0 225.4 181.8 213.3 196.9 187.9 202.1 199.6 195.7 197.0 206.3 194.6 206.8 195.9 201.3 201.9 199.8 199.9 199.8 191.9 160.1	214.5 201.0 185.9 200.5 196.9 202.5 215.7 198.9 193.2 200.5 195.3 193.2 189.3 175.6 187.6 196.4 195.5 172.5 186.3 193.2 185.6 177.9 172.7 191.1 197.6 196.1	171.7 174.2 171.3 173.1 168.6 182.9 160.6 178.5 165.8 166.1 173.9 156.3 162.9 167.5 169.3 151.5 167.9 152.5 179.3 164.9 161.3 160.0 169.2 168.3 168.6 155.4	170.3 165.1 158.4 155.3 160.6 155.3 158.6 148.1 158.7 163.7 153.8 169.6 159.8 160.1 150.5 123.0 163.2 157.0 161.3 156.0 151.3 156.0 151.3 156.0 151.3 156.0 158.8 155.4 162.3 148.6 148.6 148.6 148.6 148.6 148.6 148.6 148.6	194.5 206.6 206.7 210.4 198.4 185.7 194.5 177.4 188.9 199.5 191.7 190.0 200.8 205.5 185.5 185.5 185.5 184.3 174.0 169.6 181.2 171.7 154.0 203.8

SDSE South Dakota Southeast Corn Results





Yield Range: 97.5 to 225.4 bu. per acre Yield Average: 171.2 bu. per acre Top \$ Per Acre: \$936.00

Field Notes: South Dakota Southeast

Mark Tollefson, FIRST Manager

Flandreau – This field had a nice even stand of corn without much lodging in the entire plot. Corn was under a little stress early as excessive rains saturated soils in June and July. We had a well-drained area, which was vital. Excellent fall conditions here made for an enjoyable harvest. This test saw yield averages of 168 bu. per acre in the early test and 154.4 bu. per acre in the full-season test.

Salem – Very heavy rains dominated the weather here for most of the summer and we lost one replication in each test as a result. Most of the plots drained well and provided good results. We did not have any lodging issues and the crop was easy to harvest. The corn was clean, with minimal weed pressure. This plot showed very nice yields averaging 195.3 bu. per acre in the early-season test and 188.3 bu. per acre in the full-season test.

Chancellor – This was a nice site this year, and despite all the rain this

area received, the plot drained fairly well. We did not observe any problems with lodging as all plots stood very nicely. Dry weather this fall has really helped drive moistures down and has made for good harvest conditions. The average yields here in Chancellor were nice with 189.1 bu. per acre in the early-season test and an even higher 199.9 bu. per acre in the full-season test.

Ethan – This test had some issues with lodging and most of that was from green snap. Green snap was also a problem in some other area fields, according to Lewis Bainbridge. Excessive rainfall was received in June and July with some big rain events. Fortunately, the test area drained well and was able to produce a decent vield. A dry fall helped to make the crop dry and to create an enjoyable harvest. The average yields from this test were 148.8 bu. per acre in the early-season test with an increase up to 164.9 bu. per acre for the full-season test.

Beresford – This plot is well drained, but even so, too wet. Rain kept falling every week, saturating the soil, which didn't dry out until fall. This site was sprayed with conventional herbicides and was clean. Harvest weather was very nice here. The corn was dry and harvested well. Although yields of 150 bu. per acre have been common in this area this year, this plot only saw that return from a handful of products.

Colton – We enjoyed nice results from this well-drained plot in Minnehaha County. The corn had a very nice stand with no lodging problems to be mentioned. There was some wet corn in the full-season test, especially from the latest varieties. Harvest weather was almost perfect, with a very nice drydown that made harvest much more enjoyable than last year. This test produced nicely, with an average yield of 191.2 bu. per acre in the early-season test and a 191.6-bu.-per-acre average in the full-season test.

Test Site D	Description					Test	Avera	ge	Yield Check Co	mparison (Chai	nnel 201-13VT3)	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference	
Beresford	silty clay loam	conventional	Soybean	165	5/3	27,000	1.6	131.5	161.3	112.0	49.3	
Chancellor	silty clay loam	conventional	Soybean	90	5/3	27,250	1.2	194.5	202.8	203.6	-0.8	
Colton	clay loam	conventional	Soybean	120	5/2	28,600	1.2	191.4	202.8	196.4	6.4	
Ethan	loam	no-till	Soybean	135	5/4	27,150	3.7	156.9	170.9	181.9	-11.0	
Flandreau	clay loam	conventional	Soybean	120	5/2	28,750	1.6	161.2	162.3	161.7	0.6	
Salem	loam	conventional	Soybean	150	5/2	28,650	1.1	191.8	215.5	185.4	30.1	

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

MINWC Minnesota West Central Corn Results

Farmer's Independent Research of Seed Technologies

EARLY SEASON	TEST 93 - 98 Day	CRM										Top 3	30 of 63	tested
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Clinton	Glencoe	Hector	Litchfield	Nicollet	Tracy
Channel	196-06VT3	VT3	P250 P250	229.4	14.9 14.3	0.2	\$1,205.7 \$1,203.9	1 2	233.6	251.7	231.9	240.4	219.1	199.7
Producers Trelay	5784VT3 4VP643	VT3 VT3P	P250 P250	227.5 222.4	14.3	0.0	\$1,203.9	3	233.4 225.2	220.5 221.4	239.8 231.5	234.0 228.0	228.1 229.5	209.1 198.7
Kruger	K-6194VT3	VT3	P500,V	220.9	14.0	0.9	\$1,173.0	4	221.1	228.7	228.8	237.7	223.4	185.5
Gold Country	96-20 K-7495	VT3P VT3P	P250 P250	220.7 220.5	14.2 14.2	0.0 0.1	\$1,169.3	5 6	228.9 218.7	226.0 227.1	225.6 234.3	235.9 229.8	214.7 230.5	193.3 182.7
Kruger LG Seeds	LG2469VT3	VT3	P250	220.5	14.7	0.0	\$1,168.2 \$1.159.5	8	220.5	236.1	230.1	230.8	207.8	195.5
Renk	RK580VT3	VT3	P250	219.5	14.4	0.2	\$1,160.3	7	223.8	225.6	228.9	235.6	220.4	182.4
NuTech NuTech	5H-797A 3T-098	HX,RR2 VT3	C250 C250	218.7 218.5	14.9 14.6	1.0 0.0	\$1,149.5 \$1,152.4	14 11	236.3 221.3	220.7 224.0	226.6 229.1	231.3 244.4	221.7 207.7	175.4 184.2
Wensman	W7273VT3	VT3	P250	218.2	14.9	0.0	\$1,146.9	16	217.3	215.1	233.4	232.2	215.9	195.4
Channel	194-27VT3	VT3	P250	218.1	14.5	0.2	\$1,151.6	13	226.7	216.2	229.7	227.8	215.9	192.2
Gold Country Stine	95-50 9417VT3	VT3 VT3	P250 P250	217.7 217.3	14.1 14.5	0.1 0.1	\$1,154.7 \$1,147.3	10 15	213.4 227.9	231.4 224.0	229.7 230.9	230.9 230.1	212.5 209.7	188.4 181.1
Kruger	K-7593	VT3P	P250	217.0	14.0	0.0	\$1,152.3	12	225.2	242.9	227.6	226.5	213.1	166.6
Johnson	JSC4986VT3	VT3	P250	217.0	15.2	0.1	\$1,136.6	19	229.0	225.8	222.4	225.2	209.0	190.6
Renk NuTech	RK559VT3P G2 5H-696^	VT3P HX,RR2	P250 C250	216.9 215.8	14.5 15.5	0.1 0.0	\$1,145.2 \$1,126.5	17 24	232.1 215.9	221.4 220.2	226.8 252.2	228.3 221.4	210.2 198.6	182.6 186.3
Stine	9311VT3Pro	VT3P	P250	215.6	14.4	0.0	\$1,139.7	18	228.7	227.0	229.3	219.2	205.4	183.7
Channel	197-14VT3	VT3	P250	215.6	14.8	0.0	\$1,134.5	20	220.5	220.4	229.6	224.8	213.5	185.0
Pannar Producers	5D-303 5804VT3Pro	VT3 VT3P	C250 P250	213.9 213.3	14.8 14.1	0.0	\$1,125.5 \$1,131.3	25 21	216.5 216.3	215.9 234.9	229.8 221.7	222.0 214.8	210.8 204.6	188.2 187.6
Wensman	W7143VT3	VT3	P250	212.9	14.1	0.5	\$1,129.2	22	225.5	223.8	218.2	222.4	199.8	187.5
Trelay	4VP726	VT3P	P250	212.5	14.9	0.0	\$1,116.9	28	223.8	217.7	218.9	229.4	202.0	183.2
LG Seeds Channel	LG2426VT3 193-46VT3	VT3 VT3	P250 P250	212.4 211.7	14.0 14.0	0.2 0.0	\$1,127.8 \$1,124.1	23 26	215.6 220.9	223.2 221.1	225.4 218.2	216.1 210.6	214.7 213.5	179.3 185.6
Pannar	5B-960	VT3	C250	211.5	14.8	0.1	\$1,112.9	31	207.7	217.2	219.8	222.4	211.9	189.8
Mustang	4313VT3	VT3	P250	211.0	14.1	0.1	\$1,119.1	27	211.6	221.9	211.3	217.1	213.0	191.2
Wensman Enestvedt	W7270VT3Pro E657VT3	VT3P VT3	P250 C250	210.1 209.3	14.0 13.6	0.0	\$1,115.6 \$1,116.4	30 29	225.0 213.1	221.2 225.3	217.7 219.9	217.6 221.4	208.1 200.4	171.1 175.9
Dekalb	DKC48-37 CK	VT3	P250	218.4	14.3	0.2	\$1,155.8	9	213.0	230.4	231.2	220.4	219.9	195.7
Test Average =				211.4	14.4	0.3	\$1,116.9		219.3	220.7	221.1	221.4	207.7	178.1
LSD (0.10) =	EST 99 - 102 Day	CPM		7.4	0.3	0.9			13.5	14.7	13.5	10.0	15.4 O of 53 t	17.8
Kruger	K-6102VT3	VT3	C250	226.2	15.7	0.0	\$1,178.0	2	226.1	238.1	239.8	228.7	225.2	199.2
Croplan	4338VT3 GC	VT3	C250	226.1	15.3	0.0	\$1,170.0	1	225.8	240.2	247.2	239.4	217.8	186.0
NuTech	3T-401	VT3	C250	224.3	16.0	0.7	\$1,164.1	5	228.0	245.4	237.5	224.4	221.9	188.3
Kruger Channel	K-6201VT3 199-55VT3	VT3 VT3	P250 P250	224.1 223.2	16.7 14.9	0.5	\$1,153.7 \$1,173.1	3	218.3 221.3	232.1	248.6 237.4	239.7 236.8	214.5 228.5	191.5 178.2
Dekalb	DKC50-66 GC	VT3	P250	222.2	14.8	0.5	\$1,173.1	4	232.7	230.1	242.2	234.6	209.7	183.9
Fielders Choice	NG6583	VT3	P250	222.1	16.7	0.0	\$1,143.4	14	204.7	257.6	242.4	221.4	217.3	189.3
Channel	201-16VT3 DKC50-35 GC	VT3 VT3	P250 P250	221.4 221.1	16.1 14.8	0.0	\$1,147.7 \$1,163.4	11 6	212.7 217.9	233.9	246.4 255.3	231.4 221.6	216.1 214.1	187.8 175.8
Dekalb NuTech	3T-300	VT3	C250	220.2	15.7	0.1	\$1,165.4 \$1,146.8	12	217.9	228.3	237.0	228.3	204.7	205.5
Dekalb	DKC53-78 GC	SS	P250	220.2	16.3	0.0	\$1,138.9	18	223.8	237.5	238.1	238.2	212.1	171.4
NuTech	G2 5H-502^ 3A-098	HX,RR2 RR2	C250	220.1	16.4	0.0	\$1,137.0	19 7	221.9	230.1	250.1	221.3 223.9	221.4 226.2	175.9
AgSource Wensman	W7289VT3	VT3	C250 P250	219.5 219.2	14.8 15.6	0.2	\$1,155.0 \$1,142.9	7 15	214.9 218.1	239.2	227.5 235.6	223.9	218.1	193.0 180.3
Fielders Choice	NG6546	VT3	P250	218.8	14.8	0.0	\$1,151.3	9	220.0	226.6	226.1	228.1	220.9	191.1
NuTech	G2 5H-501^	HX,RR2	C250	218.7	16.2	0.3	\$1,132.4	21	201.2	218.8	255.4	229.9	228.7	178.3
Wensman Kruger	W7267VT3 K-6399VT3	VT3 VT3	P250 P250	218.6 217.8	14.8 15.1	0.0	\$1,150.3 \$1,142.1	10 16	230.2 217.6	232.8 227.9	233.2 229.6	221.8 226.8	212.8 213.5	180.7 191.3
Dekalb	DKC52-59 GC	VT3	P250	217.8	15.1	0.0	\$1,142.1	17	217.0	234.7	224.8	232.4	211.0	187.1
Fielders Choice	NG6510	VT3	P250	217.5	14.7	0.0	\$1,145.8	13	223.3	224.4	230.4	234.3	214.5	178.3
Johnson	JSC4016VT3	VT3 RR2	P250 None	217.0 216.7	16.3 15.5	0.0 0.3	\$1,122.3 \$1,131.2	27 22	218.6 212.8	219.3 236.2	235.0 226.1	225.2 226.2	208.7 214.6	195.2 184.2
Anderson	h2hK		140110		15.7	0.0	\$1,128.1	25	219.6	226.9	225.9	230.7	213.9	182.5
Anderson Gold Country	626R 98-90	VT3P	P250	216.6	13.7	0.0						200.1	210.0	
Gold Country Pioneer	98-90 P9990XR GC	VT3P HXT,RR2	C250	216.6	16.0	0.2	\$1,124.2	26	224.4	237.3	238.2	209.5	214.3	176.0
Gold Country Pioneer Anderson	98-90 P9990XR GC 605VT3	VT3P HXT,RR2 VT3	C250 C250	216.6 216.1	16.0 15.3	0.2	\$1,130.6	23	205.5	227.4	238.2 228.4	209.5 236.9	214.3 211.6	186.8
Gold Country Pioneer Anderson Gold Country Trelay	98-90 P9990XR GC	VT3P HXT,RR2	C250	216.6	16.0	0.2					238.2	209.5	214.3	
Gold Country Pioneer Anderson Gold Country Trelay Gold Country	98-90 P9990XR GC 605VT3 100-07 5VT379 102-05	VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3	C250 C250 P250 P250 P250	216.6 216.1 215.8 215.7 214.5	16.0 15.3 14.7 15.3 15.3	0.2 0.0 0.0 0.0 0.0	\$1,130.6 \$1,136.8 \$1,128.5 \$1,122.3	23 20 24 28	205.5 212.9 217.7 219.5	227.4 228.6 236.5 215.0	238.2 228.4 229.6 227.0 223.1	209.5 236.9 226.1 221.9 236.7	214.3 211.6 212.8 207.8 207.6	186.8 185.0 183.3 185.2
Gold Country Pioneer Anderson Gold Country Trelay Gold Country Pannar	98-90 P9990XR GC 605VT3 100-07 5VT379 102-05 6D-409	VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3 VT3	C250 C250 P250 P250 P250 C250	216.6 216.1 215.8 215.7 214.5 213.7	16.0 15.3 14.7 15.3 15.3 15.2	0.2 0.0 0.0 0.0 0.0 0.0	\$1,130.6 \$1,136.8 \$1,128.5 \$1,122.3 \$1,119.4	23 20 24 28 30	205.5 212.9 217.7 219.5 209.9	227.4 228.6 236.5 215.0 227.5	238.2 228.4 229.6 227.0 223.1 237.9	209.5 236.9 226.1 221.9 236.7 229.0	214.3 211.6 212.8 207.8 207.6 199.4	186.8 185.0 183.3 185.2 178.7
Gold Country Pioneer Anderson Gold Country Trelay Gold Country	98-90 P9990XR GC 605VT3 100-07 5VT379 102-05	VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3	C250 C250 P250 P250 P250	216.6 216.1 215.8 215.7 214.5	16.0 15.3 14.7 15.3 15.3	0.2 0.0 0.0 0.0 0.0	\$1,130.6 \$1,136.8 \$1,128.5 \$1,122.3	23 20 24 28	205.5 212.9 217.7 219.5	227.4 228.6 236.5 215.0	238.2 228.4 229.6 227.0 223.1	209.5 236.9 226.1 221.9 236.7	214.3 211.6 212.8 207.8 207.6	186.8 185.0 183.3 185.2
Gold Country Pioneer Anderson Gold Country Trelay Gold Country Pannar LG Seeds	98-90 P9990XR GC 605VT3 100-07 5VT379 102-05 6D-409 LG2478VT3Pro	VT3P HXT,RR2 VT3 VT3 VT3 VT3 VT3 VT3	C250 C250 P250 P250 P250 C250 P250	216.6 216.1 215.8 215.7 214.5 213.7 211.9	16.0 15.3 14.7 15.3 15.3 15.2 14.3	0.2 0.0 0.0 0.0 0.0 0.0 0.0	\$1,130.6 \$1,136.8 \$1,128.5 \$1,122.3 \$1,119.4 \$1,121.4	23 20 24 28 30 29	205.5 212.9 217.7 219.5 209.9 213.6	227.4 228.6 236.5 215.0 227.5 231.7	238.2 228.4 229.6 227.0 223.1 237.9 224.5	209.5 236.9 226.1 221.9 236.7 229.0 223.2	214.3 211.6 212.8 207.8 207.6 199.4 212.6	186.8 185.0 183.3 185.2 178.7 165.5





Yield Range: 143.2 to 257.6 bu. per acre Yield Average: 213.4 bu. per acre Top \$ Per Acre: \$1344.90

Field Notes: Minnesota West Central

Litchfield – The corn here in Litchfield got off to an excellent start after a warm and early spring. We were able to plant on April 28 and rainfall was plentiful all growing season, perhaps to excess. Lodging here was low, in spite of the tall and thin stalks. This plot sloped gently downhill to the east, which helped with the excess water, as this prevented pooling in the field.

Glencoe – Rapid growth and early physiological maturity at this site was a result of warm temperatures and plentiful rainfall all summer, although emergence was a bit uneven in this corn-on-corn field. Gary and Mark Krcil did mention that the heavy rains prior to last year's harvest in addition to heavy rains this summer lowered yield potential in some fields. This year, we produced an average of 220.7 bu. per acre for the early-season test and 228.4 bu. per acre for the full-season test here in Glencoe.

Nicollet – The growing season

brought warm and wet conditions that allowed for rapid growth and early maturity. This site missed the severe damage caused by June hail and tornadoes that hit this area. Some plots showed evidence of corn being trampled by deer or raccoons. This test produced an early-season average of 207.7 bu. per acre and a full-season average of 210.6 bu. per acre.

Clinton – Excellent conditions at planting and warm temperatures with plenty of water allowed this crop to mature ahead of what would normally be expected. Doug Nelson stated that moisture at this site just south of Clinton was almost perfect. That makes this one of the rare areas that did not receive too much rain this year. Average yields here were 219.3 bu. per acre and 215.3 bu. per acre for the early- and full-season tests, respectively.

Hector – Warm weather and too much rain allowed the corn here

to grow quickly and reach physiological maturity at an early date this year. (Donn Cunningham said this growing season "was wetter than heck!") Lodging was not an issue for the most part, although 40-mph winds while harvesting on Oct. 20 were tipping some hybrids over. Average yields were 221.1 bu. per acre for the early-season test and 232.8 bu. per acre for the full-season test.

Tracy – This long-term corn site received excessive rain several times this season, but Brian Hicks estimates that the most damaging rainfall event was in the middle of June, when he received over five inches of water. This set the tone for a soggy root zone in this well-tiled but flat field. The soil didn't dry out until harvest, and this affected yields across his field. Hicks produced an average of 178.1 bu. per acre for the early-season test and 181.2 bu. per acre for the full-season test.

Test Site	Description					Test	Averaç	ge	Yield Chec	k Comparison ([Dekalb DKC48-37)
Site	Soil Texture	Tillage	Prev. Grop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Clinton	silty clay loam	conventional	Soybean	150	5/5	33,200	0.2	217.3	213.0	218.4	-5.4
Glencoe	clay loam	conventional	Corn	180	4/27	34,950	0.2	224.6	230.4	207.2	23.2
Hector	clay loam	conventional	Sweet Corn	175	4/28	34,800	8.0	227.0	231.2	231.9	-0.7
Litchfield	clay	minimum	Soybean	155	4/28	34,700	0.2	222.5	220.4	207.6	12.8
Nicollet	clay loam	minimum	Soybean	173	4/29	33,450	0.4	209.2	219.9	208.4	11.5
Tracy	silty clay loam	conventional	Corn, 2+ yr	170	5/4	32,750	0.2	179.7	195.7	179.8	15.9

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

NUMBERS NOTHE TALKNOT

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MINNESOTA N. DAKOTA & S. DAKOTA 2010 HARVEST CORN RESULTS

W Garst

SYNGENTA TRIALS

BRAND

OUTPERFORMS :

All Hybrids

All Dekalb products, 62% of the time, averaging 194.5 bu/A in 169 locations

87V47 3000QT

All Pioneer products, 67% of the time, by an avg of 5.7 bu/A in 24 locations

(f) GoldenHarvest SYNGENTA TRIALS

BRAND

OUTPERFORMS

H-7949 30000T

All Competitors products, averaging 228.1 bu/A in 16 locations

All Hybrids

All Pioneer products, 73% of the time, by an avg of 10.0 bu/A in 88 locations

SYNGENTA TRIALS

OUTPERFORMS:

N39Z - 3000GT

All Pioneer products, by an avg of 13.2 bu/A in 37 locations'

All Hybrids

All Pioneer products, 71% of the time, by an avg of 9.9 bu/A in 77 locations

MINNESOTA N. DAKOTA & S. DAKOTA 2010 HARVEST SOYBEAN RESULTS

Soybeans OUTPERFORMS:

S17-G8

All Asgrow products, 63% of the time, averaging 57.0 bu/A in 67 locations

NK SOYBEANS All Pioneer products, 67% of the time, averaging 53.8 bu/A in 301 locations

S09-N6 NK-1 BRAND

All Pioneer products, 77% of the time, by an avg of 2.1 bu/A in 35 locations²

syngenta

EXCID Byrgens Bents, Ivs., Mersegoos, MN ES-M. NR* and the Allanas haves, Purpose from sed Sympeth tops are trainmaked at 8 wigeres formers, Dodges Forwers* is a regular trainmaked Science Source, Inc. Pik Susce is a histories and of Science Formers, Inc. Pik Susce is a histories and Syngenta Societ Inc. At other meteropies or service more are inspected remark of Science in processors. Feel as a histories are not properly of their respective reviews. Feel as beganning and attempt of their respective reviews.

2010 Syngenta Seeda Com Trans-N. Planti 11/1/2010 (2010 Syngenta Seeda Soybean Trians-N. Planti 11/1/2010) CLASSIFICATION: PUBLIC

Minnesota Southwest Corn Results

Farmer's Independent Research of Seed Technologies

EANLY SEASON	TEST 97 - 102 Da	dy Chivi					d)	(I)				Top 3	80 of 80	
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Easton	Granite Falls	Jackson⁺	Jeffers	Lake Crystal	Doducod Colle**
NuTech	3T-401	VT3	C250	219.3	14.5	0.0	\$1,157.9	1	217.5	249.9	218.0	201.2	207.1	22
AgSource Frelay	3T-603A 5VP688	VT3 VT3P	C250 P250	216.8 215.1	15.5 13.7	0.0	\$1,131.7 \$1,146.1	5 2	221.9 216.5	234.7 250.9	216.6 229.5	197.6 179.4	208.8 220.2	22
(ruger	K-6201VT3	VT3	P250	215.1	14.8	0.1	\$1,131.9	4	212.9	246.6	206.4	216.8	204.2	20
Fielders Choice	NG6583	VT3	P250	214.5	15.0	0.0	\$1,126.1	7	216.2	247.3	231.0	165.9	207.2	21
Producers lung	5784VT3 7475VT3	VT3 VT3	P250 P250	213.5 212.4	13.7 14.2	0.0	\$1,137.5 \$1,125.3	3 8	219.3 211.3	251.6 225.0	199.9 224.7	193.4 208.1	210.2 203.3	20
(ruger	K-7302	VT3P	P250	212.4	14.7	0.0	\$1,123.3	9	215.1	234.3	218.1	179.6	210.5	21
NuTech	G2 5H-502^	HX,RR2	C250	211.7	14.9	0.0	\$1,112.7	12	216.8	253.4	223.0	164.1	206.2	20
Fielders Choice	NG6510	VT3 VT3	P250 P250	211.5	13.6 14.2	0.2	\$1,128.1	6 10	212.5	222.2	221.1	213.2	200.3	19 20
Channel Dekalb	201-16VT3 DKC50-44 GC	VT3	P250 P250	210.5 209.6	14.4	0.0	\$1,115.2 \$1,107.9	13	227.6 206.8	247.2 237.4	204.3 212.1	170.5 175.6	212.7 213.6	21
Channel	199-55VT3	VT3	P250	209.1	13.8	0.0	\$1,112.8	11	209.2	229.5	227.6	173.8	203.5	21
relay	6VT154	VT3	P250	208.6	14.7	0.1	\$1,098.9	19	223.7	236.5	210.6	183.3	194.7	20
.G Seeds Vensman	LG2469VT3 W7273VT3	VT3 VT3	P250 P250	207.8 207.7	13.7 13.8	0.0	\$1,107.2 \$1,105.4	14 15	219.1 226.2	221.2 224.1	214.8 212.6	181.6 182.7	212.7 197.8	19 20
Channel	197-14VT3	VT3	P250	207.5	13.8	0.0	\$1,103.4	16	226.4	221.0	203.5	189.2	204.8	20
Renze	7079RR2	RR2	C250	207.2	13.7	0.0	\$1,104.0	17	220.1	225.2	199.9	191.8	204.1	20
Renk	RK580VT3	VT3	P250	206.7	13.6	0.0	\$1,102.5	18	216.5	221.2	212.3	184.0	208.1	19
NuTech Gold Country	3T-300 101-01	VT3 VT3	C250 P250	206.5 206.5	14.2	0.0	\$1,094.0 \$1,091.6	21 22	209.3	240.9 232.5	222.5 209.2	176.0 184.9	198.9 197.9	19 19
Renze	2181-3000GT	3000GT	C250	206.4	14.7	0.0	\$1,087.3	25	217.5	240.8	209.2	191.8	197.9	19
Gold Country	98-90	VT3P	P250	205.9	14.4	0.0	\$1,088.4	24	214.4	239.1	206.8	188.7	192.5	19
Stine	9417VT3	VT3	P250	205.7	13.6	0.0	\$1,097.2	20	223.2	219.6	203.8	187.0	204.3	19
Titan Pro Dekalb	87A99GL	3000GT VT3	C250 P250	205.0 204.9	14.3 13.8	0.0	\$1,084.9 \$1,090.5	26 23	214.1 199.6	249.1 243.3	217.2 232.0	160.7 170.4	200.5 199.9	18 18
Vensman	DKC50-35 GC W7267VT3	VT3	P250	203.0	13.5	0.0	\$1,084.0	23 27	221.7	205.5	217.1	174.0	198.7	20
Pannar	5E-801	VT3	C250	202.8	13.8	0.0	\$1,079.3	29	199.4	211.8	209.2	188.9	206.7	20
G Seeds	LG2478VT3Pro	VT3P	P250	202.6	13.6	0.0	\$1,080.7	28	210.5	239.2	209.9	173.4	199.0	18
Fielders Choice	NG6546	VT3	P250	202.6	13.8	0.0	\$1,078.2	30	210.0	221.8	203.6	170.5	213.4	19
Dekalb Test Average =	DKC52-59 CK	VT3	P250	199.8 200.7	13.8 14.2	0.0 0.1	\$1,063.3 \$1,062.9	40	207.9 206.2	217.8 227.9	209.7 207.7	172.3 174.0	196.3 194.2	19 1 9
SD (0.10) =				9.7	0.3	n.s.	Ψ1,002.0		15.4	15.8	14.8	27.4	15.2	2
FULL SEASON T	EST 103 - 106 Da	ay CRM										Top 3	0 of 45 t	este
Renze	1219VT3	VT3	C250	220.5	14.4	0.0	\$1,165.6	1	219.4	253.0	212.6	201.1	217.9	21
Gold Country	101-99	SS	P250	219.2	15.0	0.0	\$1,150.8	2	231.4	248.1	209.7	194.5	206.4	22
lung	7S555	SS	P250	217.9	15.0	0.0	\$1,144.0	3	217.1	252.3	204.0	198.1	213.8	22
NuTech Channel	5H-105A 205-94VT3	HX,RR2 VT3	C250 P250	213.8 212.6	15.4 16.8	0.0	\$1,117.3 \$1,093.2	4 14	210.3	245.7 236.1	196.7 214.1	187.6 185.5	217.5	22 21
luTech	5N-804	3000GT	C250	212.0	15.2	0.0	\$1,111.5	5	209.5	245.3	212.3	194.9	211.1	19
Renk	RK682VT3	VT3	P250	210.8	14.8	0.0	\$1,109.2	6	222.8	234.6	170.3	192.5	219.8	22
Vlustang	6460	3000GT	C250	210.6	15.5	0.1	\$1,099.3	10	213.2	234.9	188.5	198.8	214.2	21
NuTech Nanaman	G2 5X-206^	HXT,RR2	C250	210.4	18.2	0.0	\$1,064.2	<i>29</i>	215.7	249.7	182.2	172.2	222.1	22
Wensman NuTech	W8364STX 5N-803	SS 3000GT	P250 C250	210.1 209.9	15.4 14.7	0.2	\$1,098.0 \$1,105.8	12 8	208.4 209.7	235.8 245.8	209.1 211.1	184.4 190.2	202.0 218.3	22 18
Renk	RK698VT3	VT3	P250	209.5	14.5	0.0	\$1,106.2	7	218.8	228.3	215.2	174.2	211.7	20
lung	7610VT3	VT3P	P250	209.5	15.5	0.0	\$1,093.6	13	220.5	240.5	207.6	171.0	209.6	20
Dekalb	DKC53-78 GC	SS	P250	208.9	14.6	0.0	\$1,101.7	9	219.3	252.8	176.4	192.8	197.5	21
Stine .G Seeds	9523VT3 LG2527VT3	VT3 VT3	P250 P250	208.9 207.0	14.8 14.9	0.5 0.0	\$1,099.2 \$1,088.0	11 16	222.8 212.6	249.8 248.4	198.3 182.5	163.1 186.3	212.9 219.3	20 19
Kruger	K-6006VT3	VT3	C250	207.0	16.2	0.0	\$1,000.0	25	219.6	224.8	202.2	176.4	200.6	21
Gold Country	103-09	VT3	P250	206.2	14.8	0.0	\$1,085.0	17	224.9	230.6	212.3	187.2	202.9	17
	LG2525RR2	RR2	P250	206.1	15.0	0.6	\$1,082.0	18	224.3	235.3	164.3	186.9	211.5	21
_G Seeds	7520VT3	VT3	P250 P250	205.6	14.9	0.0	\$1,080.6	19	213.5	241.0	203.8	186.9	199.2	18
lung			P/5U	205.6	15.2 15.1	1.9 0.2	\$1,076.9 \$1,077.6	22 20	211.3 214.9	218.5 232.0	211.4 175.2	165.3 185.9	215.9 212.7	21 21
lung Producers	6634VT3	VT3 3000GT		205.5		0.2	\$1,072.2	24	211.3	244.8	174.9	189.6		20
lung Producers Fitan Pro		VT3 3000GT SS	C250 C250	205.5 205.4	15.5	0.9	Φ1,012.2	4					207.0	
Jung Producers Fitan Pro Mycogen Vensman	6634VT3 80A05GL 2J597 W7433VT3	3000GT SS VT3	C250 C250 P250	205.4 205.2	15.5 15.0	0.0	\$1,077.3	21	215.6	231.5	183.1	188.6	201.6	
Jung Producers Titan Pro Mycogen Vensman NuTech	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^	3000GT SS VT3 HXT,RR2	C250 C250 P250 C250	205.4 205.2 204.8	15.5 15.0 15.4	0.0	\$1,077.3 \$1,070.3	21 26	215.6 212.9	247.7	183.1 203.4	188.6 152.4	201.6 205.6	20
Jung Producers Fitan Pro Mycogen Vensman NuTech Vensman	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^ W6307RR	3000GT SS VT3 HXT,RR2 RR2	C250 C250 P250 C250 P250	205.4 205.2 204.8 203.5	15.5 15.0 15.4 14.5	0.0 0.0 0.0	\$1,077.3 \$1,070.3 \$1,074.5	21 26 23	215.6 212.9 221.6	247.7 216.4	183.1 203.4 190.8	188.6 152.4 189.4	201.6 205.6 194.2	20 20
Jung Producers Titan Pro Mycogen Wensman JuTech Wensman Pioneer	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^	3000GT SS VT3 HXT,RR2	C250 C250 P250 C250	205.4 205.2 204.8	15.5 15.0 15.4	0.0	\$1,077.3 \$1,070.3 \$1,074.5 \$1,067.2	21 26	215.6 212.9	247.7	183.1 203.4	188.6 152.4	201.6 205.6	20 20 18
LG Seeds Jung Producers Fitan Pro Mycogen Mycogen NuTech Mensman Pioneer LG Seeds Gold Country	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^ W6307RR 36V53 GC	3000GT SS VT3 HXT,RR2 RR2 HX,RR2	C250 C250 P250 C250 P250 C250 P250 P250	205.4 205.2 204.8 203.5 203.5	15.5 15.0 15.4 14.5 15.1	0.0 0.0 0.0 0.0	\$1,077.3 \$1,070.3 \$1,074.5	21 26 23 27	215.6 212.9 221.6 213.6	247.7 216.4 239.7	183.1 203.4 190.8 181.6	188.6 152.4 189.4 200.4	201.6 205.6 194.2 198.1	20 20 18 20
Jung Producers Fitan Pro Mycogen Wensman NuTech Wensman Pioneer G Seeds Gold Country Mustang	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^ W6307RR 36V53 GC LG2510STX 102-05 5307VT3	3000GT SS VT3 HXT,RR2 RR2 HX,RR2 SS VT3 VT3	C250 C250 P250 C250 P250 C250 P250 P250 P250 P250	205.4 205.2 204.8 203.5 203.5 203.1 199.7 199.3	15.5 15.0 15.4 14.5 15.1 15.1 14.1 13.9	0.0 0.0 0.0 0.0 1.0 0.0 0.0	\$1,077.3 \$1,070.3 \$1,074.5 \$1,067.2 \$1,065.1 \$1,059.2 \$1,059.5	21 26 23 27 28 31 30	215.6 212.9 221.6 213.6 203.9 214.9 213.1	247.7 216.4 239.7 232.4 221.1 202.3	183.1 203.4 190.8 181.6 205.2 172.8 201.0	188.6 152.4 189.4 200.4 160.6 191.0 176.7	201.6 205.6 194.2 198.1 208.5 203.7 208.1	21 20 20 18 20 19 19
lung Producers itan Pro Alycogen Vensman Jutech Vensman Pioneer G Seeds Gold Country	6634VT3 80A05GL 2J597 W7433VT3 G2 5X-905^ W6307RR 36V53 GC LG2510STX 102-05	SS VT3 HXT,RR2 RR2 HX,RR2 SS VT3	C250 C250 P250 C250 P250 C250 P250 P250	205.4 205.2 204.8 203.5 203.5 203.1 199.7	15.5 15.0 15.4 14.5 15.1 15.1 14.1	0.0 0.0 0.0 0.0 1.0	\$1,077.3 \$1,070.3 \$1,074.5 \$1,067.2 \$1,065.1 \$1,059.2	21 26 23 27 28 31	215.6 212.9 221.6 213.6 203.9 214.9	247.7 216.4 239.7 232.4 221.1	183.1 203.4 190.8 181.6 205.2 172.8	188.6 152.4 189.4 200.4 160.6 191.0	201.6 205.6 194.2 198.1 208.5 203.7	20 20 18 20 19





Yield Range: 146.5 to 253.4 bu. per acre Yield Average: 202.7 bu. per acre Top \$ Per Acre: \$1,335.30

Field Notes: Minnesota Southwest

Easton – The warm summer temperatures and plentiful moisture allowed rapid stalk growth but did not require roots to grow deep. Evidence of weak roots was present in some hybrids but the stalks did not lean enough to be considered lodged. Tom and Jeff Warmka report varying yields in surrounding fields. Heavy low ground yielded 180 bu. per acre and high ground 220 bu. per acre. This plot site

averaged 206.2 bu. per acre in the

early-season test and 211.6 bu. per

acre in the full-season test.

Lake Crystal – Storms in June brought high winds and hail. While the damage was not severe, John Engles noted that the hail damage was visible the next morning. Wet conditions also affected postemergence herbicide timing. As a result, foxtail was present in his normally weed-free plot site. This test produced an average yield of 194.2 bu. per acre for the early test and 203.4 bu. per acre for the full-season test.

Jeffers – Excellent planting conditions here gave way to a warm growing season that was simply too wet for this site. These plots were planted on a flat field with heavy clay soils that had adequate tile for a normal year but not enough for the big rains that plagued southern Minnesota in 2010. The variability is evident in the higher C.V.s. Yields at this test plot averaged 174 bu. per acre for the early test and 180.6 bu. per acre for the full-season test.

Jackson – Warm temperatures and plentiful rainfall caused fast growth and early maturity for this test site. Excessive rains were detrimental to the full-season test, as the yield losses were amplified anywhere there was a small depression. This was even the case in well-tiled fields. This yield reduction in heavy, low-lying soils was a reoccurring theme across much of Minnesota.

Granite Falls – Excellent planting conditions and warm temperatures during the growing season allowed

for fast growth at Keith Beito's Granite Falls test location. Big rainfall events of three to five inches began in June and never seemed to let up. Plants stood well at harvest, although a 40-mph wind while harvesting tipped some hybrids over. Final yields in Granite Falls averaged 227.9 bu. per acre for the early-season test and 234.3 bu. per acre for the full-season test, making this the highest-yielding F.I.R.S.T. test site in central and southern Minnesota.

Redwood Falls – The warm and wet growing season allowed rapid crop development and resulted in earlier blacklayer than the past several years. Excess water reduced early yields in the third horizontal replication, so we removed this replication in order to reveal the true product performance. The full-season test was not as affected by the excess water. The final yields show an average of 193.9 bu. per acre in the early-season test and 205.7 bu. per acre in the full-season test.

Test Site Des	cription					Test	Avera	ge	Yield Chec	k Comparison (I	Dekalb DKC52-59)
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference	
Easton	clay loam	minimum	Soybean	148	4/23	32,750	0.0	208.9	207.9	207.0	0.9	
Granite Falls	clay loam	minimum	Soybean	145	5/5	33,550	0.7	231.1	217.8	226.0	-8.2	
Jackson	clay loam	minimum	Soybean	160	5/3	33,250	0.1	200.3	209.7	210.2	-0.5	
Jeffers	clay loam	minimum	Soybean	147	5/3	32,300	0.0	177.3	172.3	184.9	-12.6	
Lake Crystal	clay loam	minimum	Soybean	165	4/28	33,400	0.1	198.8	196.3	194.3	2.0	
Redwood Falls	clay loam	minimum	Soybean	170	5/4	32,250	0.0	199.8	194.9	207.2	-12.3	

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

How to Select Seed

rofit potential is determined before equipment is readied and before precipitation falls. Strands of genetic code are all wrapped up in the mystery of a seed, coated with a seed treatment waiting in bags, boxes or bins to be selected, ordered and delivered. The first step to determining profit potential is selecting the right seed—the right seed for the soil type and conditions, the local insects, weed and disease pressure and, of course, weather conditions. Never mind that nearly all of these factors are only predictable widely varying degrees of accuracy.

KNOW YOUR DATA SOURCES

When the decision matters as much as seed selection does, data counts, and quality data counts more. The best place to go for data is your own on-farm trials, says Mark Christianson, who farms near Saratoga, Iowa. To have the most on-farm data possible, Christianson has participated in the F.I.R.S.T. trials for the past two years, and also runs his own plot trials on his farm. For 2010, his plot trials had 19 hybrids in addition to the 174 hybrids that were tested in ELR.S.T. trials at his location.

"I like to have two or three sources of data: one is F.I.R.S.T., another is my own plots, and I look at plots that other producers have done in the area," he says.

Ronnie Sloan, who has spent 14 years as a F.I.R.S.T. farm cooperator near Vandalia, III., agrees that independent data matters most.

"What seed companies put out is propaganda," he says. "They never have anything bad to say about

their own products, which tells me how believable their data is. I like F.I.R.S.T. because it's independent and everything is replicated. Any particular number that shows up [in the Top 30] has been looked at 18 times."

F.I.R.S.T. performance summaries, which are published in these pages, have three replications per site. Corn sites have six locations per summary and soybeans have four, which means corn hybrids have been tested and brought to yield 18 times and sovbean varieties have been tested 12 times per region. Companies often have the same number tested in multiple geographies, so checking other regional summaries gives an even better performance overview.

"My whole farm is basically a test plot," says Tom Walsh, a F.I.R.S.T. farmer near Litchfield, Minn. With a yield monitor, Walsh says, you can glean information off your entire farm. "With the price of corn the way it is, 10 bu. per acre could make you a lot of money," he adds.

All three farmers place the highest value on the information on what has been grown on their own farm. After that, they point out, F.I.R.S.T. plot data is the most trusted not only because it's independent, but also because F.I.R.S.T. uses real on-farm conditions and reports things like soil type, previous tillage, previous crop and units of nitrogen applied, which are not always reported in other trials.

"It's easier to position hybrids on my own farm when I can see what other plot conditions were when that number performed well," Walsh says.

CONSISTENCY IS KEY

Yield is the No. 1 consideration when selecting a hybrid, but a binbusting vield at one location isn't good enough, Christianson points out. Good yields across multiple locations are required for him to pick a particular number for use on his farm.

"I look for consistency. A lot of my soil types are quite variable, so to have seeds that do well across a broad range of environments is important to me," Christianson says. That's the reason to look at everything you can, Sloan agrees.

"I look at every piece of data I can. I have stacks of it that I go through," Sloan says. "I'm looking at consistency: If there's anything that shows up in the Top 10 in several plots, it's a pretty good hybrid. If it shows up in every plot, it's really good. I go back and look at data from the last two to three years and see how that hybrid performed in other years too."

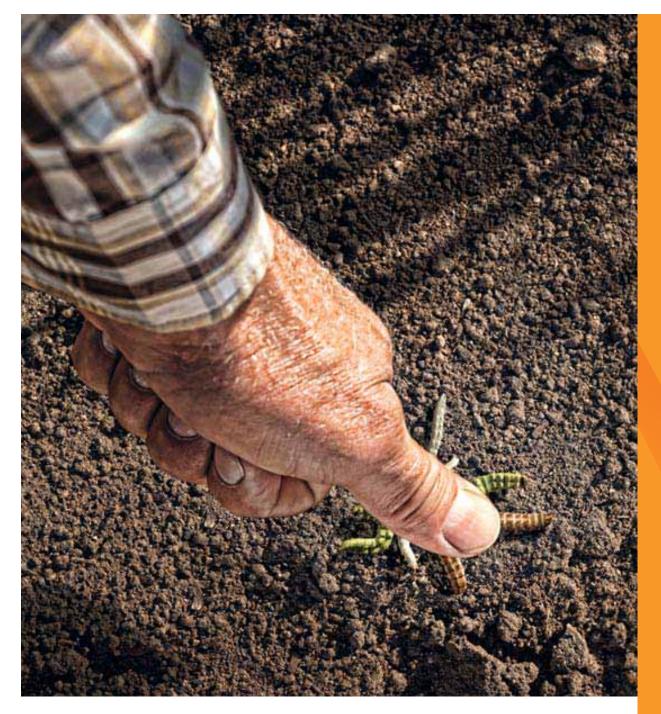
Sloan says that while a hybrid's life cycle is pretty short, probably only four or five years, having archived data can help you see which seeds are top performers in multiple years with varying weather patterns.

BRAND LOYALTY

Farmers point out that brand loyalty is too costly these days, and it's all about performance.

"I'm not nearly as brand loyal as I used to be," Christianson says. "I was almost 100% Pioneer at one time, but when they merged with DuPont 10 years ago, I had a hard time getting the seed numbers that I needed and I knew I needed a

continued on page 26



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NNSE Minnesota Southeast Corn Results

Farmer's Independent Research of Seed Technologies

	TEST 95 - 100 Da	ay CRM										Top 3	80 of 63 t	tested
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Cannon Falls	Dexter	Eyota	Kasson	Madison Lake	New Richland
Channel	196-06VT3	VT3	P250	233.0	14.4	0.1	\$1,231.6	1	216.0	241.8	248.0	246.8	223.9	221.7
Jung NuTech	7475VT3 3T-401	VT3 VT3	P250 C250	229.5 228.8	14.6 14.7	1.8	\$1,210.4 \$1,205.3	3	223.8 226.7	241.3 240.0	236.7 229.3	239.1 231.8	218.6 218.6	217.3 226.1
Dekalb	DKC50-35 GC	VT3	P250	227.2	14.4	0.2	\$1,201.0	4	224.2	229.8	227.9	222.3	233.6	225.4
NuTech	G2 5H-999^*	HX,RR2	C250	226.1	14.4	1.2	\$1,195.2	6	218.7	220.2	225.9	237.1	221.9	233.0
Wensman Producers	W7273VT3 5804VT3Pro	VT3 VT3P	P250 P250	225.7 224.7	14.2	0.3	\$1,195.8 \$1,194.5	5 7	211.9 219.7	236.0 230.7	235.2 230.0	249.4 234.7	212.7 212.6	208.8
Kruger	K-7495	VT3P	P250	223.7	14.0	0.0	\$1,187.8	9	209.0	229.9	222.8	232.3	227.6	220.4
Gold Country	100-07	VT3	P250	223.6	14.1	0.2	\$1,186.0	10	208.8	239.3	240.1	235.9	209.7	207.8
Stine Producers	9421RR 5784VT3	VT3	P250 P250	223.4 222.6	14.8	1.0	\$1,175.5 \$1,182.0	13 11	227.4 208.7	223.3 222.1	236.8 228.0	235.9 238.9	192.8 219.0	224.4 218.9
LG Seeds	LG2469VT3	VT3	P250	222.6	14.4	0.1	\$1,176.7	12	209.4	231.4	238.1	232.6	209.6	214.3
Renk	RK580VT3	VT3	P250	221.8	14.2	1.7	\$1,175.1	14	209.4	227.5	223.9	235.4	225.1	209.7
AgriGold Dekalb	A6225VT3 DKC48-37 GC	VT3 VT3	P250 P250	221.4 221.2	14.2 14.1	0.0	\$1,173.0 \$1,173.2	16 15	205.4 212.2	222.8 230.4	232.8	235.0 232.4	225.7 203.4	206.5 218.6
Viking	Y84-00RL	3000GT	C250	220.8	15.6	0.2	\$1,151.3	23	218.2	240.3	231.9	224.3	207.6	202.5
Titan Pro	9094GL 199-55VT3	CB/GT/LL	C250 P250	220.4 220.4	14.0 14.5	2.6 2.6	\$1,170.3 \$1,163.7	17 18	211.7 215.1	218.1 218.3	224.9 224.5	235.0 236.0	229.8 206.1	202.9 222.6
Channel Stine	9417VT3	VT3 VT3	P250	219.4	14.2	0.5	\$1,162.4	19	206.9	233.0	225.4	235.7	214.4	200.9
Trelay	4VP726	VT3P	P250	218.6	14.2	0.1	\$1,158.1	20	213.0	219.3	222.9	225.7	220.1	210.5
Trelay NuTech	5ST259 3T-300	SS VT3	P250 C250	217.8 217.3	14.8 14.6	3.0 2.8	\$1,146.1 \$1,146.0	25 26	207.8 204.6	221.7 235.3	232.4 224.5	233.2 220.0	205.7 207.9	205.8 211.2
LG Seeds	LG2478VT3Pro	VT3P	P250	217.3	13.9	0.2	\$1,154.1	21	205.8	229.9	229.0	227.5	190.1	220.1
AgriGold	A6220VT3Pro	VT3P	P250	216.9	14.0	2.1	\$1,151.7	22	211.5	225.2	227.2	238.8	191.8	206.6
Channel	197-14VT3	VT3	P250	216.5	14.3	1.0	\$1,145.7	27	207.7	221.7	220.2	230.7	220.0	198.6
Wensman Trelay	W7270VT3Pro 4VT456	VT3P VT3	P250 P250	216.0 215.6	13.8 14.2	0.8	\$1,149.6 \$1,142.2	24 28	210.3 216.4	229.4 229.1	224.9 222.3	231.5 221.0	180.4 211.9	219.7 193.1
Kruger	K-6295VT3	VT3	C250	215.3	14.2	0.1	\$1,140.7	29	212.9	211.4	214.5	226.1	216.2	210.8
Kruger	K-6399VT3	VT3	P250	215.3	14.4	0.1	\$1,138.1	31	204.1	202.9	227.5	239.0	218.4	199.9
Gold Country Dekalb	96-20 DKC50-66 CK	VT3P VT3	P250 P250	214.2 224.3	13.9 14.0	0.1	\$1,138.7 \$1,191.0	30 8	199.3 202.5	230.3 234.1	226.6 231.2	202.7 236.7	216.4 221.1	209.8
Test Average =	DROJO-00 GR	VIO	1 230	215.4	14.3	0.8	\$1,139.4	0	207.7	221.1	222.7	224.8	207.9	208.0
LSD (0.10) =				9.1	0.3	2.0			13.4	12.3	10.7	11.6	17.3	12.9
FULL SEASON TE	ST 101 - 104 Da	av CRM												
Kruger		•											0 of 54 to	
	K-6201VT3	VT3	P250	233.9	15.3	1.0	\$1,223.8 \$1,210.2	1	225.6	226.7	233.9	251.1	236.4	229.5
Kruger	K-6201VT3 K-7302	VT3 VT3P	P250	232.1	15.6	0.0	\$1,210.2	4	235.8	229.6	244.9	251.1 229.4	236.4 238.1	229.5 214.8
	K-6201VT3 K-7302 A6276VT3 RK698VT3	VT3 VT3P VT3 VT3	P250 P250 P250	232.1 231.8 231.8	15.6 15.1 15.1	0.0 0.1 1.1	\$1,210.2 \$1,215.6 \$1,215.6	4 2 3	235.8 253.0 235.1	229.6 213.9 213.6	244.9 238.7 237.0	251.1 229.4 238.5 233.5	236.4 238.1 230.1 236.6	229.5 214.8 216.8 234.9
Kruger AgriGold Renk Jung	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3	VT3 VT3P VT3 VT3 VT3P	P250 P250 P250 P250	232.1 231.8 231.8 231.5	15.6 15.1 15.1 16.5	0.0 0.1 1.1 0.1	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5	4 2 3 10	235.8 253.0 235.1 228.5	229.6 213.9 213.6 212.7	244.9 238.7 237.0 235.3	251.1 229.4 238.5 233.5 238.5	236.4 238.1 230.1 236.6 244.0	229.5 214.8 216.8 234.9 229.7
Kruger AgriGold Renk Jung Fielders Choice	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583	VT3 VT3P VT3 VT3 VT3P VT3P	P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7	15.6 15.1 15.1 16.5 16.0	0.0 0.1 1.1 0.1 0.1	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3	4 2 3 10 8	235.8 253.0 235.1 228.5 231.3	229.6 213.9 213.6 212.7 226.4	244.9 238.7 237.0 235.3 241.4	251.1 229.4 238.5 233.5 238.5 234.3	236.4 238.1 230.1 236.6 244.0 219.4	229.5 214.8 216.8 234.9 229.7 231.5
Kruger AgriGold Renk Jung	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3	VT3 VT3P VT3 VT3 VT3P	P250 P250 P250 P250 P250 P250 P250 C250	232.1 231.8 231.8 231.5 230.7 230.5 230.3	15.6 15.1 15.1 16.5	0.0 0.1 1.1 0.1	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5	4 2 3 10 8 7 9	235.8 253.0 235.1 228.5 231.3 233.8 242.3	229.6 213.9 213.6 212.7 226.4 217.3 226.0	244.9 238.7 237.0 235.3	251.1 229.4 238.5 233.5 238.5	236.4 238.1 230.1 236.6 244.0	229.5 214.8 216.8 234.9 229.7
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3	VT3 VT3P VT3 VT3 VT3P VT3 SS 3000GT VT3	P250 P250 P250 P250 P250 P250 P250 C250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2	0.0 0.1 1.1 0.1 0.1 0.6 2.8 0.0	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5	4 2 3 10 8 7 9 5	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3	VT3 VT3P VT3 VT3 VT3P VT3 SS 3000GT VT3 VT3	P250 P250 P250 P250 P250 P250 P250 C250 C250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8	4 2 3 10 8 7 9 5 11	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1 239.1	236.4 238.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3	VT3 VT3P VT3 VT3 VT3P VT3 SS 3000GT VT3	P250 P250 P250 P250 P250 P250 P250 C250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2	0.0 0.1 1.1 0.1 0.1 0.6 2.8 0.0	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5	4 2 3 10 8 7 9 5	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3	VT3 VT3P VT3 VT3 VT3 VT3P VT3 SS 3000GT VT3 VT3 VT3P VT3P VT3 VT3P SS VT3	P250 P250 P250 P250 P250 P250 C250 C250 C250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 225.2	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4	4 2 3 10 8 7 9 5 11 6 12 20	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 235.4 229.2	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3	VT3 VT3P VT3 VT3 VT3 VT3 SS 3000GT VT3 VT3 VT3 VT3P SS SS VT3 VT3	P250 P250 P250 P250 P250 P250 C250 C250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 225.2 224.9	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9	4 2 3 10 8 7 9 5 11 6 12 20 17	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 235.4 229.2 218.9	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.0	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 233.9
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3	VT3 VT3P VT3 VT3 VT3 VT3P VT3 SS 3000GT VT3 VT3 VT3P VT3P VT3 VT3P SS VT3	P250 P250 P250 P250 P250 P250 C250 C250 C250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 225.2	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9	4 2 3 10 8 7 9 5 11 6 12 20	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 235.4 229.2	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6	251.1 229.4 238.5 233.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 233.9 224.1
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC	VT3 VT3P VT3 VT3 VT3P VT3 VT3 SS S000GT VT3 VT3 VT3 VT3P SS VT3 SS VT3 HXT,RR2	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.3 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,170.3 \$1,170.3	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1	251.1 229.4 238.5 233.5 234.5 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.5 238.2 244.8 230.4	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 233.9 224.1 221.3 228.8
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^	VT3 VT3P VT3 VT3 VT3P VT3 VT3 SS 3000GT VT3 VT3 VT3P SS VT3 3000GT SS VT3 HXT,RR2 HX,RR2	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.3 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2 224.0 223.8	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,169.7 \$1,170.3 \$1,153.2 \$1,166.9	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16	235.8 253.0 235.1 228.5 231.3 242.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.9 199.6 228.0 203.7	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8	251.1 229.4 238.5 233.5 238.5 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.5 238.2 244.8 230.4 236.4	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 233.9 224.1 221.3 228.8 214.8
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trrelay Gold Country Wensman AgriGold Jung Gold Country Prioneer NuTech NuTech	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^ 3T-401A	VT3 VT3P VT3 VT3 VT3P VT3 VT3 VT3 SS 3000GT VT3 VT3 VT3P SS VT3 3000GT SS VT3 HXT,RR2 HX,RR2 VT3	P250 P250 P250 P250 P250 P250 P250 C250 C250 P250 P250 P250 P250 P250 P250 P250 C250 P250 P250 P250 P250 P250 P250 P250 P	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 224.9 224.6 224.2 223.8 223.4	15.6 15.1 15.1 16.5 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7 15.6	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,170.3 \$1,153.2 \$1,166.9 \$1,170.2	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8	251.1 229.4 238.5 238.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3 226.6	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 224.7 218.2 224.7 224.1 221.3 228.8 214.8 217.2
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^\ 3T-401A 9523VT3 80A05GL	VT3 VT3P VT3 VT3 VT3P VT3 VT3 SS 3000GT VT3 VT3 VT3P SS VT3 3000GT SS VT3 HXT,RR2 HX,RR2	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.3 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2 224.0 223.8	15.6 15.1 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.7 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,169.7 \$1,170.3 \$1,153.2 \$1,166.9	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16	235.8 253.0 235.1 228.5 231.3 242.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.9 199.6 228.0 203.7	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8	251.1 229.4 238.5 233.5 238.5 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.5 238.2 244.8 230.4 236.4	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 233.9 224.1 221.3 228.8 214.8
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646	VT3 VT3P VT3 VT3 VT3 VT3P VT3 SS 3000GT VT3 VT3 VT3P SS VT3 SS VT3 HXT,RR2 HX,RR2 VT3 VT3 SS VT3 HXT,RR2 HX,RR2 VT3 SS SS VT3 SS VT3 SS VT3 SS SS VT3 SS VT3 SS VT3 SS SS VT3 SS VT3 SS SS SS VT3 SS SS SS VT3 SS SS SS SS VT3 SS	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.7 222.6	15.6 15.1 16.1 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7 15.5 16.7 15.6 15.2	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.1 0.1 0.0 0.0 0.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,165.9 \$1,165.9 \$1,160.7 \$1,166.9 \$1,170.3 \$1,153.2 \$1,166.9 \$1,170.2 \$1,158.5 \$1,158.5 \$1,154.5 \$1,162.0	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21	235.8 253.0 235.1 228.5 231.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7 226.2 215.3 219.5 224.8	229.6 213.9 213.6 212.7 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 200.7	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 232.0 232.0 230.2	251.1 229.4 238.5 238.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4 237.8 237.8 237.8 237.8 237.8 237.8 237.8 237.8	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3 226.8 215.8 244.3 220.5	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 224.7 234.2 224.7 233.9 224.1 221.3 228.8 214.8 217.2 229.0 204.1 224.9
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice Anderson	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 75555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646 103VT3	VT3 VT3P VT3 VT3P VT3 VT3P VT3 SS S000GT VT3 VT3 VT3 VT3P SS VT3 VT3 VT3 VT3 VT3 VT3	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.7 222.7 222.6 222.6	15.6 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 15.7 15.5 16.7 15.6 15.2 15.8	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.1 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,166.9 \$1,169.7 \$1,170.3 \$1,153.2 \$1,158.5 \$1,158.5 \$1,154.5 \$1,154.5 \$1,162.0 \$1,158.0	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21 23	235.8 253.0 235.1 228.5 231.3 242.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7 226.2 215.3 219.9 223.7 214.1	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 209.6 200.7 214.4	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 228.0 230.2 230.2	251.1 229.4 238.5 233.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.3 238.2 244.8 230.4 236.4 237.8 228.1 226.7 234.7 222.5	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3 226.6 215.8 244.3 220.5 225.5	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 224.7 234.7 218.2 224.1 221.3 228.8 214.8 217.0 229.0 204.1 224.9 220.3
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646	VT3 VT3P VT3 VT3 VT3 VT3P VT3 SS 3000GT VT3 VT3 VT3P SS VT3 SS VT3 HXT,RR2 HX,RR2 VT3 VT3 SS VT3 HXT,RR2 HX,RR2 VT3 SS SS VT3 SS VT3 SS VT3 SS SS VT3 SS VT3 SS VT3 SS SS VT3 SS VT3 SS SS SS VT3 SS SS SS VT3 SS SS SS SS VT3 SS	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 229.2 227.7 226.3 226.2 225.2 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.7 222.6	15.6 15.1 16.1 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7 15.5 16.7 15.6 15.2	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.1 0.1 0.0 0.0 0.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,165.9 \$1,165.9 \$1,160.7 \$1,166.9 \$1,170.3 \$1,153.2 \$1,166.9 \$1,170.2 \$1,158.5 \$1,158.5 \$1,154.5 \$1,162.0	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21	235.8 253.0 235.1 228.5 231.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7 226.2 215.3 219.5 224.8	229.6 213.9 213.6 212.7 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 200.7	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 232.0 232.0 230.2	251.1 229.4 238.5 238.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4 237.8 237.8 237.8 237.8 237.8 237.8 237.8 237.8	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3 226.8 215.8 244.3 220.5	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 224.7 234.2 224.7 233.9 224.1 221.3 228.8 214.8 217.2 229.0 204.1 224.9
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice Anderson Viking Gold Country Channel	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646 103VT3 Y54-04RL 101-01 201-16VT3	VT3 VT3P VT3 VT3 VT3 VT3 VT3 VT3 SS 3000GT VT3 VT3 VT3 SS SS VT3 3000GT SS VT3	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.6 222.6 221.8 221.6 221.8	15.6 15.1 15.1 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.6 15.2 15.8 16.1 15.5 15.8 16.1	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 1.3 1.4 2.2 2.2 0.0 0.5	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.7 \$1,197.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,169.7 \$1,170.3 \$1,158.5 \$1,166.9 \$1,170.2 \$1,166.9 \$1,158.5 \$1,158.5 \$1,158.5 \$1,158.6 \$1,158.0 \$1,158.8 \$1,158.8 \$1,158.8 \$1,164.5	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21 23 30 25 19	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 223.7 214.1 222.6 227.7 226.2 215.3 219.5 224.8 219.6 227.0 226.2 226.2 227.0 226.8 227.0	229.6 213.9 213.6 212.7 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 209.6 200.7 214.9 215.5 190.1	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 232.0 233.3 232.0 233.0 233.2 233.1 227.0 227.3 226.0	251.1 229.4 238.5 238.5 234.5 234.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4 237.8 226.7 234.7 222.5 228.4 230.2 241.7	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 208.6 233.2 197.0 221.3 226.6 215.8 244.3 220.5 225.5 217.0 220.7 218.8	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 221.3 228.8 214.8 217.2 229.0 204.1 224.9 220.3 221.7 208.8 223.5
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice Anderson Viking Gold Country Channel Fielders Choice	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^\ 3T-401A 9523VT3 80A05GL NG6646 103VT3 Y54-04RL 101-01 201-16VT3 NG6510	VT3 VT3P VT3 VT3 VT3 VT3 VT3 SS 3000GT VT3 VT3 VT3 VT3 SS VT3	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.6 222.6 222.6 221.8 221.8 221.6 221.3 220.4	15.6 15.1 15.1 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.7 15.5 15.8 15.9 15.8 15.9 15.8 15.9	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.1 0.1 0.3 1.3 2.2 0.6 0.3 0.1 0.1 0.6 0.3 0.1 0.1 0.6 0.7 0.7 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,166.9 \$1,166.2 \$1,166.2 \$1,158.5 \$1,154.5 \$1,158.5 \$1,158.5 \$1,158.5 \$1,158.5 \$1,156.8 \$1,166.9	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21 23 30 25 19	235.8 253.0 235.1 228.5 231.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7 226.2 215.3 219.5 224.8 219.6 237.7 226.8 227.7 226.8	229.6 213.9 213.6 212.7 226.4 217.3 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 209.6 200.7 214.4 199.9 215.5 190.1	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 232.0 230.2 233.1 227.0 227.3 226.0 225.4	251.1 229.4 238.5 238.5 238.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4 236.4 237.8 228.1 226.7 234.7 222.5 228.4 230.4	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 208.6 233.2 197.0 221.3 226.6 215.8 244.3 220.5 225.5 217.0 220.7 221.8	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 218.2 224.1 221.3 228.8 217.2 229.0 204.1 224.9 220.3 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8 221.8
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Pioneer NuTech NuTech Stine Titan Pro Fielders Choice Anderson Viking Gold Country Channel	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 7S555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646 103VT3 Y54-04RL 101-01 201-16VT3	VT3 VT3P VT3 VT3 VT3 VT3 VT3 VT3 SS 3000GT VT3 VT3 VT3 SS SS VT3 3000GT SS VT3	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.6 222.6 221.8 221.6 221.8	15.6 15.1 15.1 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 16.1 15.7 15.5 16.6 15.2 15.8 16.1 15.5 15.8 16.1	0.0 0.1 1.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 1.3 1.4 2.2 2.2 0.0 0.5	\$1,210.2 \$1,215.6 \$1,215.6 \$1,194.5 \$1,197.7 \$1,197.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,165.9 \$1,169.7 \$1,170.3 \$1,158.5 \$1,166.9 \$1,170.2 \$1,166.9 \$1,158.5 \$1,158.5 \$1,158.5 \$1,158.6 \$1,158.0 \$1,158.8 \$1,158.8 \$1,158.8 \$1,164.5	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21 23 30 25 19	235.8 253.0 235.1 228.5 231.3 233.8 242.3 225.0 218.8 219.9 223.7 214.1 222.6 227.7 226.2 215.3 219.5 224.8 219.6 227.0 226.2 226.2 227.0 226.8 227.0	229.6 213.9 213.6 212.7 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 209.6 200.7 214.9 215.5 190.1	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 232.0 233.3 232.0 233.0 233.2 233.1 227.0 227.3 226.0	251.1 229.4 238.5 238.5 234.5 234.3 232.5 241.1 239.1 232.6 225.3 231.5 231.3 238.2 244.8 230.4 236.4 237.8 226.7 234.7 222.5 228.4 230.2 241.7	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 208.6 233.2 197.0 221.3 226.6 215.8 244.3 220.5 225.5 217.0 220.7 218.8	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 232.2 224.7 234.7 221.3 228.8 214.8 217.2 229.0 204.1 224.9 220.3 221.7 208.8 223.5
Kruger AgriGold Renk Jung Fielders Choice Trelay Producers Kruger Renk Trelay Gold Country Wensman AgriGold Jung Gold Country Vensman AgriGold Jung Gold Country Fioneer NuTech NuTech Stine Titan Pro Fielders Choice Anderson Viking Gold Country Channel Fielders Choice NuTech Wensman Gold Country	K-6201VT3 K-7302 A6276VT3 RK698VT3 7610VT3 NG6583 6ST576 6364GT3 K-6102VT3 RK682VT3 5VP688 101-99 W7433VT3 A6323GT3 75555 103-09 35F44 GC G2 5H-502^ 3T-401A 9523VT3 80A05GL NG6646 103VT3 Y54-04RL 101-01 201-16VT3 NG6510 G2 5H-501^ W7289VT3 102-05	VT3 VT3P VT3 VT3P VT3 VT3P VT3 SS SS 3000GT VT3 VT3 VT3 VT3P SS VT3	P250 P250 P250 P250 P250 P250 P250 P250	232.1 231.8 231.8 231.5 230.7 230.5 230.3 229.2 227.7 226.3 226.2 224.9 224.6 224.2 224.0 223.8 223.4 222.7 222.6 221.8 221.6 221.3 220.4 220.3 220.1 218.6	15.6 15.1 16.5 16.0 15.9 16.0 15.2 16.0 14.2 16.0 16.4 15.7 15.5 16.7 15.6 15.2 15.8 16.1 15.5 15.8 15.9 15.5 14.8 14.4 14.9 14.6	0.0 0.1 1.1 0.1 0.1 0.6 2.8 0.0 0.5 0.0 0.3 1.3 2.2 0.6 0.3 0.1 0.1 1.7 1.1 1.1 1.7 1.1 1.0 1.0 1.0 0.0 0.0 0.0 0.0	\$1,210.2 \$1,215.6 \$1,194.5 \$1,197.3 \$1,197.3 \$1,195.3 \$1,200.5 \$1,181.8 \$1,198.9 \$1,174.0 \$1,163.4 \$1,166.9 \$1,169.7 \$1,170.3 \$1,158.5 \$1,154.5 \$1,154.5 \$1,156.8 \$1,165.9 \$1,158.0 \$1,158.0 \$1,158.0 \$1,156.8 \$1,165.9	4 2 3 10 8 7 9 5 11 6 12 20 17 15 13 28 16 14 22 27 21 23 30 25 19 18 31 24 29	235.8 253.0 235.1 228.5 231.3 242.3 225.0 218.8 219.9 235.4 229.2 218.9 223.7 214.1 222.6 227.7 226.2 215.9 229.7 220.7 220.8 220.8 220.7 220.8 220.8 220.7 220.8 220.8 220.8 220.7 220.8 220.8 220.8 220.7 220.8 220.8 220.8 220.7 220.8 22	229.6 213.9 213.6 212.7 226.0 228.1 220.2 211.8 213.8 217.4 219.0 219.9 199.6 228.0 203.7 200.3 219.9 209.6 200.7 214.4 199.9 215.5 190.1 219.5 220.4 220.2	244.9 238.7 237.0 235.3 241.4 240.3 233.8 240.9 228.4 231.9 235.5 228.6 221.9 232.9 232.4 237.1 238.8 232.2 228.0 230.2 233.1 227.0 227.3 226.0 225.4 232.3 226.8 228.4	251.1 229.4 238.5 233.5 234.3 241.3 232.5 241.1 239.1 232.6 225.3 231.3 238.2 244.8 230.4 236.4 237.8 228.1 226.7 234.7 222.5 228.4 230.2 241.7 222.5 228.4 230.2 241.7 222.5 228.4 230.2	236.4 238.1 230.1 236.6 244.0 219.4 227.0 223.7 224.1 227.6 236.9 212.5 226.0 224.5 208.6 233.2 197.0 221.3 226.6 215.8 244.3 220.5 225.5 217.0 220.7 218.8 220.7 218.8 228.8 223.0 214.1 221.7	229.5 214.8 216.8 234.9 229.7 231.5 223.0 223.5 216.2 224.7 234.7 218.3 224.1 221.3 228.8 214.8 217.9 200.3 221.7 208.8 223.5 229.5 208.8 219.0 229.5 209.5
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Yield Range: 169.9 to 253.0 bu. per acre Yield Average: 217.6 bu. per acre Top \$ Per Acre: \$1312.60

Field Notes: Minnesota Southeast

Kasson – Growing conditions were very good all season with above-average rainfall from June through September. Plant health was good, although some feeding from earworm was evident at harvest. Stalks stood well. Although there is no lodging shown in the tests, Brian Herbst did mention that he saw some lodging in his fields. Average yields were 224.8 bu. per acre for the early-season test and 228.9 bu. per acre for the full-season test.

Eyota – Corn plants developed quickly due to warm temperatures and above-average rainfall. Paul Wendt said rain fell three to five inches per event this year rather than the normal one or two inches. Lodging was very low, and plants stood tall at harvest. This was an excellent test site, producing a yield average of 222.7 bu. per acre for the early-season test and 227.4 bu. per acre for the full-season test.

Dexter – Warm temperatures and above-average moisture al-

lowed this corn site to reach maturity earlier than normal. The early test was more uniform in appearance at harvest than the full-season test. The full-season test area showed uneven emergence from corn residue left from no-till soybeans in 2009. The variability in the test is shown in the CV. The average yield for this site was 221.1 bu. per acre in the early test and 209.7 bu. per acre in the full test.

Cannon Falls – The hybrids at this second-year corn-on-corn site were quite tall, a result of warm wet weather from June through September. Root lodging was worse in some hybrids than others and would have been even more prevalent had high winds occurred after blacklayer. A few hybrids showed evidence of stalk lodging as well. This test site produced yields of 207.7 bu. per acre for the early-season test and 219.7 bu. per acre for the full-season test.

Madison Lake - This test site

had excellent growing conditions even though rainfall was excessive. The rains fell in three-inch to four-inch increments here (as it did in many places this growing season), which caused more variability in these plots. The lodging scores are quite low for the most part. However, some hybrids did show the stress of 40+ mph winds near harvest. Yield averages for the early- and full-season tests were 207.9 and 218.2 bu. per acre, respectively.

New Richland – This growing season with its warm (but not hot) temperatures, coupled with excess rain, caused fast growth and little root development. Weak roots led to leaning plants and lodging in some hybrids. Leon Schoenrock states that it's "a darn good crop" and that the advanced maturity allows him to put much of his corn crop right in the bin. Yield averages here were 208.0 bu. per acre in the early test and 215.4 bu. per acre in the full test.

Test Site Des	cription					Test Average			Yield Check Comparison (Dekalb DKC50-66)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Cannon Falls	silty clay loam	conventional	Corn	210	4/27	33,150	2.4	213.7	202.5	218.0	-15.5
Dexter	silty clay loam	minimum	Soybean	140	4/22	33,850	0.7	215.4	234.1	207.9	26.2
Eyota	silt loam	minimum	Soybean	175	4/22	34,751	0.8	225.0	231.2	231.7	-0.5
Kasson	silt loam	minimum	Soybean	178	4/22	34,670	0.1	226.8	236.7	230.4	6.3
Madison Lake	clay loam	minimum	Soybean	140	4/29	33,150	8.0	213.1	221.1	216.0	5.1
New Richland	clay loam	minimum	Soybean	125	4/29	32,750	1.3	211.7	220.3	208.6	11.7

^{*}Apply the difference to brands in the full-season test before comparing them to brands in the early-season test.

continued from page 22

backup supply. That's when I started seriously looking at other genetics." Christianson says he now plants a Channel hybrid and has picked up some AgriGold to try for 2011.

"It's all about the performance of a particular product more than the company. I was fairly loyal to NK for soybeans up until this year. I had two varieties that didn't do that well, and I had some Pioneer beans that did gangbusters in my own fields, outyielding others by 7 or 8 bu. That's \$70 to \$80 an acre in income. That's why I spend so much time making my seed decisions."

Christianson points out that at \$80 an acre, a bad seed decision can be a \$6,400 wrong answer per field. At that pay rate, he says, it pays to pore over the data and pick the best seeds solely on their merits.

Sloan says that he's not really brand loyal either, although his corn hybrids have run pretty heavy on Monsanto. He plants some LG, Channel, AgriGold and Pioneer too. He says he's also watching Becks and DeKalb, which had some good numbers in plot trials this year. Sloan says he contracts nearly 100% of his soybeans to raise seed for Monsanto, so the decision on what to plant in those acres is already made.

STANDABILITY

After yield, standability was the most significant trait in corn hybrid selection. Poor standability is literally throwing money on the ground and it's a factor to watch, Sloan says.

"I look at the yield, but I also look at the standability," he says. "I look at how did it stand, how did it emerge, how did it do at harvest, what was the final stand and what was the moisture. I don't want a hybrid that yields great but lodges."

OTHER FACTORS

Other traits are as variable as the farms they're on. Most of the hybrids planted on these growers' farms followed the pattern found in the charts to the right, where nearly all of them were glyphosatetolerant and the vast majority had some form of Bt trait.

SOYBEANS

For soybeans, all three farmers mentioned they planted all glyphosate-tolerant varieties this year. The No. 1 thing that Walsh says he needs to look at, in conjunction with yield, is disease resistance.

"I plant a more defensive soybean because of the kind of soils that I have," Walsh says. "Yield is still important, but I need a cyst nematode resistance package on all of my fields. I have a lot of high pH soils and I need something that will do well under iron chlorosis, and I look for a shorter bean because of white mold concerns. I also like to have the gene for Phytophthora resistance." Without those traits, Walsh says, high yields won't happen on his farm due to disease pressure. He eliminates soybean varieties from contention if they don't have the right disease resistance and then looks at yield numbers to determine his final choices.

WHEN TO BUY

Just before Thanksgiving, Walsh, Sloan and Christianson said they had all or nearly all their seed purchased for the following year. All three said the decisions were made because they had so much data from running plot trials on their own farms, as well as participating in F.I.R.S.T., and with early purchasing discounts, they had made their selections for pricing reasons too.

"I'm concerned about the availability of the newer numbers, and

K 0 T 1 1 1 T 1 1											
Key Corn Technologies Tested											
	(% of entries containing traits indicated)										
	2010 2009 2008										
Conventional	1.0	1.2	0.9								
Glyphosate	98.0	94.2	88.7								
LibertyLink	32.4	19.1	9.7								
Corn Borer	94.2	96.2	95.5								
Rootworm	88.8	90.4	86.6								
Triple Stack*	88.2	89.0	79.7								

Triple stack = CB + RW + any herbicide tolerant trait

Key Corn Insect Technologies Tested											
		(% of entrie	s)								
	2010 2009 2008										
YGVT3	50.4	74.7	72.3								
VT3P	11.3	_	_								
SS	9.5	_	_								
3000GT	9.4	3.8	0.4								
HXT, RR2	7.9	8.6	2.0								
HX, RR	3.9	2.1	2.1								

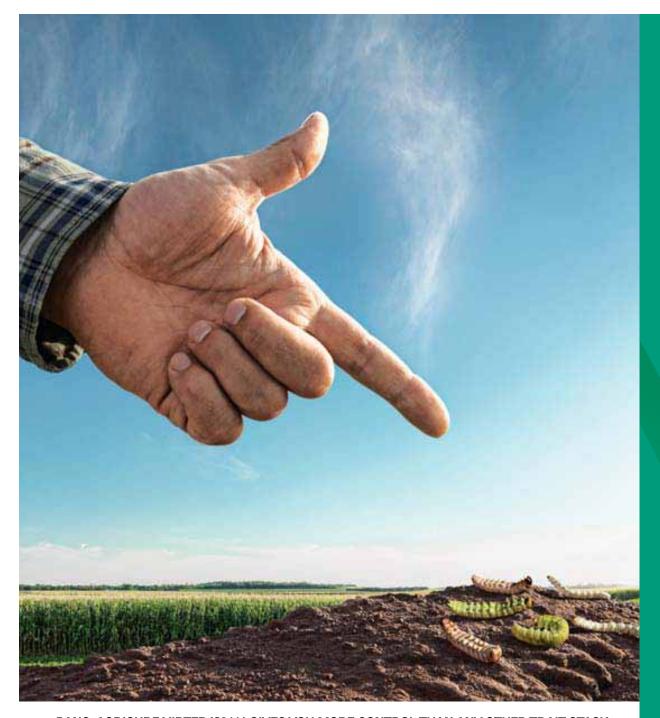
- items not available or not tested

that's another reason I buy early," Walsh says. "One company called me and told me that it might run short [on a particular hybrid]. And that variety turned out very well. If you want the right numbers, ordering early is a good idea."

HOW TO DECIDE

There are a multitude of factors that will impact your seed buying decisions, but yield weighted with the traits necessary to do well in an individual farmer's field conditions are the right way to go.

"With F.I.R.S.T. trials, or any trials for that matter, you need to match as many factors as you can to the way you do things on your farm," Walsh says. "If your soil type is like the soil from a particular plot, or if you have similar tillage practices, you should weigh those results more heavily. All the factors can influence how a hybrid does, and they're all very important."



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Mark Tollefson, FIRST Manager

Yield Range: 31.8 to 55.3 bu. per acre Yield Average: 44.7 bu. per acre Top \$ Per Acre: \$557.10

Farmer's Independent Research of Seed Technologies

Field Notes: South Dakota Northeast

Arlington – Planting was delayed (May 28) due to wet weather. Record-setting rainfall led to standing water and damaged the back half of the test plot. The first replication is of good quality and being presented as a demonstration. Results were not included in the performance summary.

Webster – This plot had wet spring conditions and record rainfalls in June and July. The field drained well and managed the excess moisture without crop damage. An August dry spell during flowering and pod set lowered yield potential.

Bath – Wet, cool weather after planting hurt this soybean crop. Emergence and final stands were not the best. Despite record rains, the plot drained well and produced good yields with nicely filled pods. Dry fall weather helped harvest conditions.

Clear Lake – This was another spot with excessive moisture in June and July. The beans handled the wet conditions well and had a uniform stand. Volunteer corn affected moisture levels on some of the bean samples. Greg Lanners was very happy with above average yields in the field surrounding the plot. This test recorded an average of 48.9 bu. per acre yield with a top yield of 55.3 bu. per acre.

Test Site Des	Test Site Description											
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.						
Arlington	silty clay loam	no-till	30	5/28	99,200	medium						
Bath	silt loam	no-till	30	5/20	91,500	low						
Clear Lake	silty clay loam	conventional	30	5/18	90,700	medium						
Webster	silty clay loam	no-till	30	5/28	94,700	low						

Gold Country 1640 RR2Y 1.6 MR AC 49.0 9.6 6.5 \$490.0 41.1 49.2 53.0 Prairie Brand PB-1597RR RR 1.6 S T6 48.6 9.4 3.7 \$486.0 49.2 53.2 52.7 Kruger K2-1901 RR2Y 1.9 R AC 48.4 9.8 5.5 \$484.0 40.0 \$52.2 51.8 Asgrow AG1730 GC RR2Y 1.7 R None 48.3 9.8 5.5 \$484.0 40.0 \$52.2 51.8 Asgrow AG1730 GC RR2Y 1.0 S AC 48.2 9.3 5.9 \$482.0 43.8 47.1 \$55.3 Wensman W3131R2 RR2Y 1.0 S AC 48.1 9.5 482.0 46.8 49.5 51.1 Kruger K2-1001 RR2Y 1.0 S AC 48.1 9.5 482.0 46.	1.0 - 1.7 Maturity Group												tested	
Gold Country 1640 RR2Y 1.6 MR AC 49.0 9.6 6.5 \$49.0 41.1 49.2 53.0 Prairie Brand PB-1597RR RR 1.6 S T6 48.6 9.4 3.7 \$486.0 49.2 53.2 52.7 Kruger K2-1102 RR2Y 1.1 S AC 48.5 9.3 6.2 \$485.0 46.9 53.8 50.9 Kruger K2-1901 RR2Y 1.9 R AC 48.4 9.8 5.5 \$484.0 40.0 \$52.2 51.8 Asgrow AG1730 GC RR2Y 1.7 R None 48.3 9.8 5.5 \$484.0 40.0 \$52.2 51.8 Gold Country 1040 RR2Y 1.0 S AC 48.2 9.3 5.9 \$482.0 46.8 47.1 55.3 Wensman W3131R2 RR2Y 1.0 S AC 48.1 9.5 45.2<	Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Arlington #	Bath	Clear Lake	Webster
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Kruger K2-1102 RR2Y 1.1 S AC 48.5 9.3 6.2 \$485.0 46.9 53.8 50.9 Kruger K2-1901 RR2Y 1.9 R AC 48.4 9.8 5.5 \$484.0 40.0 52.2 51.6 52.8 Gold Country 1040 RR2Y 1.0 S AC 48.2 9.3 5.9 \$482.0 43.8 47.1 55.3 Wensman W3131R2 RR2Y 1.3 S AC 48.2 9.3 5.9 \$482.0 43.8 47.1 55.3 Wensman W3131R2 RR2Y 1.0 S AC 48.1 9.5 4.5 \$481.0 47.1 55.3 \$11.8 Kruger K2-1501 RR2Y 1.0 S AC 48.1 9.5 4.2 \$481.0 47.2 53.7 51.8 Kruger K2-1501 RR2Y 1.4 S CM 47.4 9.6 <														
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NuTech G2 7186^ RR 1.8 R CM 41.6 9.4 5.7 \$416.0 40.4 48.1 45.0														33.3
														38.0
														31.8
	NuTech	G2 6159^	RR	1.5	S	CM	41.2	10.1	4.6	\$412.0	43.0	42.6	47.9	33.
										\$446.8				38.5
LSD (0.10) = 3.9 0.5 1.6 N/A 5.3 4.2 # - 1 replication not included in sum	LSD (0.10) =						3.9	0.5	1.6					5.4

South Dakota East Central Soybean Results

Farmer's Independent Research of Seed Technologies



Mark Tollefson, FIRST Manager

Stats:

Yield Range: 10.4 to 68.1 bu. per acre Yield Average: 48.2 bu. per acre Top \$ Per Acre: \$683.30

Field Notes: South Dakota East Central

Howard – The field was in a well-drained spot, which helped keep these beans uniform in the heavy rains that caused drowned-out spots in surrounding fields. We planted into no-till corn ground with very little residue on top, which made for a good seed bed in a wet spring.

Cavour – Major rain events hit this area this growing season. After planting, this site had over-saturated soils. Any

plants that survived got doused with big rains in July, further damaging plant vigor. Area farmers are used to battling drought conditions not overly wet fields. Data was rejected due to the poor conditions.

Colton – A very wet start affected the emergence and vigor early in the growing season. This site, however, drained well and tolerated heavy rains both early in the season and again in July. Perfect weather conditions this fall made for great harvest conditions.

Flandreau – Despite the heavy rains, this site drained well and produced some nice yields. Stuart Benson sprayed this site for aphids in August. The plot was very uniform with most of the soybeans growing to 36" or taller. The plots filled in nicely and compensated for a less-than-desirable stand count.

Test Site Des	Test Site Description											
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.						
Cavour	sandy loam	no-till	30	5/18	76,500	low						
Colton	silty clay loam	conventional	30	5/19	107,500	low						
Flandreau	clay loam	conventional	30	5/17	108,400	medium						
Howard	loam	no-till	30	5/17	102,800	low						

1.6 - 2.3 Maturit	1.6 - 2.3 Maturity Group Top 30 of 35 tested												
Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Cavour #	Colton	Flandreau	Howard
Wensman	W3230R2	RR2Y	2.3	S	AC	61.4	10.3	6.1	\$614.0	35.5	68.1	55.0	61.2
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CM	61.2	10.4	4.5	\$612.0	33.7	64.8	59.5	59.4
Mustang	M-23530	RR2Y	2.3	S	AC	61.0	10.4	5.2	\$610.0	25.3	65.2	59.4	58.5
Kruger	K2-2301	RR2Y	2.3	S	AC	61.0	10.4	6.1	\$610.0	26.1	65.0	54.9	63.0
Kruger Prairie Brand	K2-1901 PB-2278RR	RR2Y RR	1.9 2.2	R S	AC CM	60.4 59.4	9.9 11.1	6.2 10.4	\$604.0 \$594.0	22.8 29.9	63.3 62.5	54.4 56.4	63.6 59.4
Kruger	K2-2101	RR2Y	2.1	R	AC	59.2	11.0	7.6	\$592.0	28.6	64.2	56.0	57.4
Gold Country	2140	RR2Y	2.1	R	AC	58.9	10.1	3.3	\$589.0	26.1	66.5	54.1	56.0
Prairie Brand	PB-2020R2	RR2Y	2.0	S	CM	58.9	10.2	5.0	\$589.0	26.5	63.9	56.8	56.1
Wensman	W3180NR2	RR2Y	1.8	R	AC	58.8	10.1	5.9	\$588.0	29.3	63.0	58.1	55.3
Pioneer	92Y30 GC	RR	2.3	R	None	58.7	10.3	5.3	\$587.0	21.6	63.0	56.2	57.0
Mustang	M-21421	RR2Y	2.1	R	AC	58.7	10.2	7.5	\$587.0	26.6	64.1	54.3	57.8
Gold Country	1844	RR2Y	1.8	R	AC	58.2	10.1	5.3	\$582.0	25.2	64.4	54.3	55.8
Prairie Brand	PB-1722R2*	RR2Y	1.7	R	CM	57.7	9.9	3.9	\$577.0	26.2	63.8	52.8	56.6
Channel	2300R2	RR2Y	2.3	R	AC	57.3	10.3	4.7	\$573.0	28.8	60.6	53.3	58.1
Prairie Brand	PB-2058NRR	RR	2.0	R	T6	57.0	10.2	5.1	\$570.0	23.4	63.2	54.3	53.4
Kruger	K2-1501	RR2Y	1.5	R	AC	56.9	10.1	3.3	\$569.0	20.0	61.9	52.1	56.7
Channel	1901R2	RR2Y	1.9	R	AC	56.7	10.1	6.7	\$567.0	17.3	64.0	52.5	53.7
NK Brand	S21-N6 GC	RR	2.1	S	None	56.6	10.2	5.0	\$566.0	26.6	60.6	56.1	53.1
Mustang	M-21320	RR2Y	2.1	R	AC	56.5	10.3	4.2	\$565.0	17.4	60.3	55.3	53.9
Kruger	K2-2001	RR2Y	2.0	R	AC	55.8	10.3	6.9	\$558.0	15.7	59.8	54.0	53.7
Gold Country	1644	RR2Y	1.6	R	AC	55.8	10.0	9.1	\$558.0	17.9	61.1	53.1	53.3
Prairie Brand	PB-2142R2	RR2Y	2.0	R	CM	55.5	10.3	7.6	\$555.0	14.7	57.5	52.5	56.5
Mustang	M-20221	RR2Y,STS	2.0	R	AC	55.4	10.0	7.2	\$554.0	22.8	59.0	54.4	52.8
Gold Country	1640	RR2Y	1.6	MR	AC	55.2	10.1	4.2	\$552.0	22.6	61.6	49.8	54.3
Prairie Brand	PB-1920R2	RR2Y	1.9	S	AC	54.7	10.6	7.2	\$547.0	20.6	58.2	51.2	54.8
Mustang	M-190NRR	RR	1.9	R	T6	54.6	9.9	5.6	\$546.0	23.4	60.0	50.8	53.1
Gold Country	2040	RR2Y	2.0	R	AC	54.2	10.2	6.1	\$542.0	19.9	59.1	48.9	54.6
NK Brand	S21-B1 GC	RR	2.1	R	None	54.0	10.2	6.7	\$540.0	22.1	58.8	49.9	53.2
Wensman	W3200NR2	RR2Y	2.0	R	AC	53.9	10.1	4.2	\$539.0	19.2	56.9	50.2	54.5
Site Averages =						56.6	10.2	6.1	\$566.5	22.7	61.3	53.3	55.3
LSD (0.10) =						2.5	0.3	3.5		7.0	3.4	3.1	4.5

^{# =} rejected results, not included in summary

Mark Tollefson, FIRST Manager

Yield Range: 35.2 to 65.5 bu. per acre Yield Average: 49.2 bu. per acre Top \$ Per Acre: \$658.00

Farmer's Independent Research of Seed Technologies

Field Notes: South Dakota Southeast

Beresford – The growing season was dominated by heavy rains and saturated soil. This plot was sprayed with conventional herbicides, although wet conditions prevented timely application. Light to moderate grass pressure was evident. This plot drained well for the amount of precipitation it received and did not have any drowned-out spots.

Parker – Last year, Jim Bones had corn silage on this ground, so we had a good seed bed with little residue this spring. Excessive moisture in June and July caused ponding in any low spot. Some plots were damaged and removed from the test as a result of the record rains received. Perfect weather in the fall made for excellent harvest conditions.

Ethan – Heavy rains after planting saturated soils and led to poor emergence, which varied widely by product. Record rains through July caused ponding that eliminated one affected replication. Statistically, this test plot has valid results, but seed quality and final stand differences likely impacted yields.

Salem – Saturated soils and heavy rains persisted in Salem too. Standing water was visible in low spots in the field around the test plot. Good October weather helped harvest.

Test Site Des	Test Site Description												
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.							
Beresford	silty clay loam	conventional	30	5/22	95,700	high							
Ethan	loam	no-till	30	5/22	89,100	low							
Parker	silty clay loam	no-till	30	5/19	103,500	low							
Salem	loam	conventional	30	5/22	108,800	low							

2.1 - 2.8 Maturi	ty Group									Тор	30 of 35	tested	
Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Beresford	Ethan **	Parker **	Salem
Kruger	K2-2301	RR2Y	2.3	S	AC	57.3	9.9	3.0	\$573.0	50.5	53.3	60.4	65.
Channel	2402R2	RR2Y	2.4	S	AC	55.1	9.9	5.4	\$551.0	46.0	53.5	58.2	62.
Wensman	W3230R2	RR2Y	2.3	S	AC	53.5	9.7	4.9	\$535.0	45.7	47.2	58.4	62.
Latham	L2440R2 GC	RR2Y	2.4	S	AC	52.8	9.8	3.5	\$528.0	42.6	55.6	57.0	56
NK Brand	S21-N6 GC	RR	2.1	S	None	52.7	10.0	2.9	\$527.0	46.7	54.9	51.3	57.
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CM	52.3	9.8	3.7	\$523.0	47.3	50.8	49.5	61
Prairie Brand	PB-2558NRR	RR	2.5	R	T6	51.8	9.9	3.7	\$518.0	44.7	50.6	55.4	56
Kruger	K2-2703	RR2Y	2.7	R	AC	51.6	12.6	3.3	\$516.0	43.9	44.4	65.5	52
Kruger	K2-2802	RR2Y	2.8	R	AC	51.1	11.1	6.5	\$511.0	46.9	39.9	65.5	51.
Kruger	K2-2101	RR2Y	2.1	R	AC	50.9	10.3	3.9	\$509.0	43.2	50.7	55.9	53
Kruger	K2-2803	RR2Y	2.8	R	AC	50.4	11.3	3.9	\$504.0	43.0	52.4	52.3	53
Prairie Brand	PB-2742R2	RR2Y	2.8	R	AC	50.3	14.0	3.9	\$503.0	44.6	48.9	57.0	50
Mustang	M-25521	RR2Y	2.5	R	AC	50.1	12.0	3.3	\$501.0	42.9	46.0	59.0	52
Prairie Brand	PB-2278RR	RR	2.2	S	CM	50.1	10.3	3.5	\$501.0	40.5	51.8	49.4	58
Prairie Brand	PB-2632R2	RR2Y	2.6	R	CM	50.0	12.4	4.6	\$500.0	44.5	47.6	54.2	53
Kruger	K2-2701	RR2Y	2.7	R	AC	49.9	10.3	4.1	\$499.0	44.9	50.8	53.7	50
Mustang	M-27721	RR2Y	2.7	R	AC	49.8	10.6	8.5	\$498.0	43.9	49.7	53.4	52
Prairie Brand	PB-1920R2	RR2Y	1.9	S	AC	49.6	10.3	4.1	\$496.0	47.0	41.2	55.5	54
Mustang	M-23321	RR2Y	2.3	R	AC	49.0	9.8	2.3	\$490.0	40.7	51.3	51.1	52
Prairie Brand	PB-2020R2	RR2Y	2.0	S	CM	49.0	10.0	2.5	\$490.0	43.7	45.0	51.0	56
Mustang	M-23530	RR2Y	2.3	S	AC	48.9	9.8	3.5	\$489.0	47.1	41.8	49.3	57
Wensman	W3275R2	RR2Y	2.7	S	AC	48.7	12.9	4.5	\$487.0	40.3	44.8	57.3	52
Pioneer	92Y30 GC	RR	2.3	R	None	48.4	10.0	2.9	\$484.0	38.6	46.0	53.6	55
SOI	2769NRR	RR	2.7	R	None	48.1	10.2	3.7	\$481.0	45.3	49.8	47.7	49
SOI	2509NRR	RR	2.5	R	None	47.9	10.3	2.9	\$479.0	39.6	47.7	48.6	55
Asgrow	AG2430 GC	RR2Y	2.4	R	AC	47.6	9.9	3.3	\$476.0	43.9	47.7	46.3	52
SOI	2716NRR	RR	2.7	MR	None	47.4	9.8	2.5	\$474.0	43.4	46.3	51.3	48
Kruger	K2-2001	RR2Y	2.0	R	AC	46.4	9.9	3.0	\$464.0	41.9	45.0	40.2	58
SOI	2728NRR	RR	2.7	R	None	45.3	10.9	2.7	\$453.0	41.5	35.2	49.1	55
Kruger	K2-2502	RR2Y	2.5	R	AC	45.1	10.3	3.3	\$451.0	40.7	43.5	50.7	45
Site Averages =						49.2	10.5	3.7	\$492.4	43.1	47.0	52.6	54
LSD (0.10) =						4.7	1.6	2.3		4.0	6.3	5.7	4
- (/												** = 2 repl	



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Mark Querna, FIRST Manager

Stats:

Yield Range: 45.7 to 70.5 bu. per acre Yield Average: 60.5 bu. per acre Top \$ Per Acre: \$691.40

Field Notes: Minnesota Central

Clinton – Planting conditions were excellent. Summer temperatures were warm, but not extreme. Rainfall was plentiful all summer, with a bit too much rain overall. Farmer Doug Nelson sprayed this plot site with Lorsban to control aphids. Most plots showed good plant height and all sites had low lodging scores.

Montevideo – Planting conditions were excellent. Temperatures during the growing season were favorable, and

rainfall was above average all season. Gary Enevoldsen did not spray for aphids, as counts were below threshold. The plot uniformity here was striking.

Litchfield – Growing conditions were quite good, though rainfall was excessive all summer. White mold was a problem in some of Tom Walsh's fields, and there was evidence of this on a few plot strips. Otherwise, plants were approximately 36" tall. Lodging was a factor in some varieties but not others. Warrior was sprayed for aphids on July 27.

Glencoe – Gary Krcil reported that he was pleased with his 63 bu. per acre average soybean yields. Mark Krcil sprayed Headline fungicide and Pilot (generic Lorsban) with Roundup on July 26. This ground was moldboard plowed after corn harvest last fall.

Test Site Des	Test Site Description												
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.							
Clinton	silty clay loam	minimum	30	5/21	115,500	low							
Glencoe	loam	conventional	30	5/19	119,368	low							
Litchfield	loam	conventional	30	5/19	111,600	low							
Montevideo	silt loam	conventional	30	5/20	114,200	low							

1.0 - 1.7 Maturity Group												tested	
Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Clinton	Glencoe	Litchfield	Montevideo
Kruger	K2-1901	RR2Y	1.9	R	AC	66.5	8.8	0.8	\$648.4	62.9	70.5	66.2	66.5
Croplan	R2C1869 GC	RR2Y	1.8	R	CM	65.2	8.8	0.8	\$635.7	63.3	66.3	66.1	65.1
Channel	1700R2	RR2Y	1.7	R	AC	64.2	9.1	8.0	\$626.0	59.4	68.4	64.4	64.5
Prairie Brand	PB-1722R2*	RR2Y	1.7	R	CM	64.0	8.8	0.0	\$624.0	59.8	64.9	68.3	63.0
NorthStar	NS1726NR2	RR2Y	1.7	R	CM	63.6	8.8	0.0	\$620.1	55.1	65.8	69.3	64.3
Prairie Brand	PB-1701X	RR2Y	1.7	MR	CM	63.4	8.8	0.0	\$618.2	54.8	67.7	67.5	63.6
NorthStar	NS1716NR2	RR2Y	1.7	R	CM	63.2	9.0	0.0	\$616.2	56.7	63.9	69.7	62.3
Kruger	K2-1501	RR2Y	1.5	R	AC	63.1	8.9	1.7	\$615.2	53.0	66.0	70.3	62.9
Titan Pro	15M20	RR2Y	1.5	R	CM	63.0	9.1	0.0	\$614.3	58.6	67.1	67.2	59.1
Wensman	W3174NR2	RR2Y	1.7	R	AC	62.7	9.2	0.0	\$611.3	57.2	63.1	69.1	61.2
Asgrow	AG1730 GC	RR2Y	1.7	R	None	62.7	9.0	0.0	\$611.3	56.8	66.7	64.1	63.0
Wensman	W3156NR2	RR2Y	1.5	R	AC	62.3	8.9	3.0	\$607.4	54.7	66.2	66.3	61.8
Gold Country	1640	RR2Y	1.6	MR	AC	61.6	9.2	1.3	\$600.6	53.4	64.2	65.7	62.9
Prairie Brand	PB-1552R2	RR2Y	1.5	R	CM	61.5	8.9	2.7	\$599.6	57.8	63.0	64.8	60.4
Titan Pro	14M2*	RR2Y	1.4	R	CM	61.3	8.7	0.0	\$597.7	52.0	65.1	68.7	59.4
Hefty	H168R	RR	1.6	S	I	61.2	8.9	0.0	\$596.7	50.5	62.8	66.4	65.2
Prairie Brand	PB-1499NRR2	RR2Y	1.4	R	CM	61.1	8.7	0.0	\$595.7	51.6	63.1	67.5	62.0
Mustang	M-16221	RR2Y	1.6	R	AC	61.0	9.0	8.5	\$594.8	56.1	62.2	62.8	62.7
Gold Country	1040	RR2Y	1.0	S	AC	60.9	8.7	0.0	\$593.8	58.5	59.6	65.0	60.5
Gold Country	1644	RR2Y	1.6	R	AC	60.9	8.9	9.4	\$593.8	52.9	61.8	66.8	61.9
Kruger	K2-1401	RR2Y	1.4	MR	AC	60.7	8.5	0.0	\$591.8	52.5	60.5	68.3	61.5
Asgrow	AG1506 GC	RR	1.5	MR	None	60.7	8.6	0.0	\$591.8	52.8	64.5	63.8	61.5
Wensman	W3142NR2	RR2Y	1.4	R	AC	60.6	8.6	0.0	\$590.9	55.3	62.9	65.4	58.9
Hefty	H16Y11	RR2Y	1.6	MR	AC	60.6	8.9	8.5	\$590.9	53.6	62.0	64.0	62.7
Gold Country	1240	RR2Y	1.2	S	AC	60.4	9.3	0.0	\$588.9	54.7	65.1	64.4	57.2
Kruger	K2-1902	RR2Y	1.9	R	AC	60.4	9.5	2.1	\$588.9	58.0	59.9	62.9	60.6
Channel	1503R2	RR2Y	1.5	R	AC	60.3	8.8	0.0	\$587.9	53.4	63.2	65.0	59.5
Kruger	K2-1602	RR2Y	1.6	R	AC	59.8	9.1	4.9	\$583.1	55.1	63.2	59.5	61.2
Wensman	W3096R2	RR2Y	0.9	S	AC	59.6	8.9	0.8	\$581.1	50.0	65.5	61.8	61.2
Kruger	K2-1001	RR2Y	1.0	S	AC	59.5	8.9	0.3	\$580.1	50.4	63.2	64.0	60.5
Site Averages =						60.5	8.9	1.1	\$590.3	53.5	63.0	64.8	60.8
LSD (0.10) =						2.9	0.3	4.4		4.1	3.4	4.2	3.3



Mark Querna, FIRST Manager

Stats:

Yield Range: 46.6 to 72.3 bu. per acre Yield Average: 60.6 bu. per acre Top \$ Per Acre: \$712.60

Field Notes: Minnesota South Central

Tracy – While summer temps in Lyon County were guite good, farmer Brian Hicks said, "It was too wet from June until harvest." Hicks sprayed a generic Lorsban for aphids. Plants were tall and had a great deal of vegetative growth. Almost all pods showed three beans per pod; however, some pods had four

Wabasso – Summer temperatures were warm, but not extreme. Rainfall was a bit too plentiful, so roots never went deep. This site did not have ponding issues, but heavy soils likely held too much water for top-end yields.

Nicollet – A warm spring got this crop off to a good start. Hail and tornadoes went through this area in June. The hail had little effect on yields, as plants were tall and full of pods. Wayne and Dale Bjorklund had another field hit by hail in late September and yields there were devastated. Plants in this test plot were healthy at harvest with minimal lodging.

Madison Lake – The yields at this site reflect the warm temperatures and plentiful rain. Mike Krenik reported that the longest stretch with no rain was only six days. He sprayed Endigo ZC on July 27 for aphid control. Plants stood well and only one variety showed minimal lodging.

Test Site Desc	Test Site Description											
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.						
Madison Lake	clay loam	conventional	30	5/18	110,600	low						
Nicollet	clay loam	conventional	30	5/18	109,200	low						
Tracy	silty clay loam	conventional	30	5/20	116,500	medium						
Wabasso	clay loam	conventional	30	5/19	111,600	medium						

1.3 - 2.0 Maturit	1.3 - 2.0 Maturity Group									Top 30 of 63 tested			
Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Madison Lake	Nicollet	Tracy	Wabasso
Titan Pro	20M1*	RR2Y	2.0	R	CM	67.2	8.6	0.0	\$655.2	72.3	69.5	66.4	60.7
Kruger	K2-1901	RR2Y	1.9	R	AC	66.4	8.5	0.0	\$647.4	69.3	70.9	65.2	60.2
Channel	1700R2	RR2Y	1.7	R	AC	64.9	8.5	0.0	\$632.8	66.1	68.5	65.5	59.5
Mustang	M-20221	RR2Y,STS	2.0	R	AC	64.6	8.5	0.7	\$629.9	67.8	64.5	64.7	61.2
Anderson	203R2Y	RR2Y	2.0	R	AC	64.4	8.5	1.5	\$627.9	68.5	66.5	61.2	61.2
Advantage	ADV2021CR2*	RR2Y	2.0	MR	AC	64.1	8.5	0.0	\$625.0	68.5	64.4	62.5	61.1
Gold Country	1844	RR2Y	1.8	R	AC	63.5	8.6	0.0	\$619.1	67.1	65.7	62.6	58.4
Titan Pro	18M10*	RR2Y	1.8	R	CM	63.3	8.5	0.0	\$617.2	65.4	65.6	63.1	59.1
Channel	1901R2	RR2Y	1.9	R	AC	63.1	8.7	0.0	\$615.2	66.2	70.9	59.8	55.4
Anderson	162R2Y	RR2Y	1.6	R	AC	62.8	8.7	1.0	\$612.3	66.3	65.7	59.7	59.5
Hefty	H19Y11	RR2Y	1.9	MR	CM	62.8	8.8	1.5	\$612.3	65.5	64.6	60.5	60.6
NorthStar	NS2026NR2	RR2Y	2.0	R	CM	62.7	8.5	2.1	\$611.3	67.0	64.8	59.2	59.7
Mustang	M-190NRR	RR	1.9	R	T6	62.5	8.4	0.0	\$609.4	67.8	63.2	61.7	57.2
Jung	1141RR2	RR2Y	1.4	R	AC	62.4	8.7	0.0	\$608.4	67.9	61.6	62.9	57.3
Kruger	K2-1501	RR2Y	1.5	R	AC	62.4	8.7	0.0	\$608.4	63.4	66.2	60.3	59.5
Anderson	153CNR	RR	1.5	R	None	62.3	8.5	0.0	\$607.4	65.6	63.3	59.9	60.4
Wensman	W3180NR2	RR2Y	1.8	R	AC	62.3	8.5	0.0	\$607.4	65.0	68.0	59.1	57.0
Prairie Brand	PB-1722R2	RR2Y	1.7	R	AC	62.2	8.5	0.0	\$606.5	64.3	66.9	59.9	57.7
Stine	2062-4 GC	RR	2.0	R	AP	62.1	8.8	0.0	\$605.5	64.9	64.7	63.5	55.1
Hefty	H187RN	RR	1.8	R		62.0	8.5	0.0	\$604.5	63.7	68.5	62.4	53.4
Gold Country	1644	RR2Y	1.6	R	AC	61.8	8.6	1.1	\$602.6	62.9	69.2	54.5	60.4
Kruger	K2-1602	RR2Y	1.6	R	AC	61.8	8.7	1.3	\$602.6	64.3	64.7	58.9	59.3
Mustang	M-16221	RR2Y	1.6	R	AC	61.8	8.8	2.1	\$602.6	64.5	66.0	58.2	58.6
Prairie Brand	PB-2058NRR	RR	2.0	R	T6	61.7	8.6	0.3	\$601.6	67.6	63.3	58.5	57.3
Hefty	H16Y11	RR2Y	1.6	MR	AC	61.7	8.6	3.4	\$601.6	65.1	66.6	53.5	61.7
Jung	1163RR2	RR2Y	1.6	R	AC	61.5	8.7	0.0	\$599.6	67.2	65.7	57.8	55.2
NorthStar	NS1716NR2	RR2Y	1.7	R	CM	61.5	8.6	0.0	\$599.6	61.9	66.9	60.1	57.0
SOI	2038NRR	RR	2.0	R	None	61.3	8.6	0.3	\$597.7	64.6	64.3	59.3	57.1
Wensman	W3131R2	RR2Y	1.3	S	AC	61.1	8.4	0.0	\$595.7	65.5	67.0	56.6	55.2
Advantage	ADV2013CR*	RR	2.0	MR	None	61.0	8.6	0.0	\$594.8	63.9	67.1	57.1	55.8
Site Averages =						60.6	8.6	0.4	\$590.9	63.9	64.5	58.3	55.7
LSD (0.10) =						2.9	0.2	n.s.		4.2	4.1	4.2	4.1

Mark Querna, FIRST Manager

Stats:

Yield Range: 32.9 to 71.7 bu. per acre Yield Average: 54.3 bu. per acre Top \$ Per Acre: \$756.50

Field Notes: Minnesota South

Jeffers – Conditions were good, with warm temperatures but a touch too much rain. This plot was sprayed conventionally; however, it did not get early control of waterhemp. Those weeds were hand-pulled twice with over 120 man-hours of labor. The first replication was clean and averaged 52 bu. per acre, but the other two reps were very weedy.

Easton – Favorable temperatures and too much rain allowed these soybeans

to grow taller than recent years. Some individual plots were shorter, however, indicating a wet soil profile. The field site is tiled for drainage but the heavy clay loam retained a lot of water, causing variability in yields.

New Richland – Rainfall was excessive in June, July and September, Some individual plots were shorter, likely showing stress from excess water in the root zone. This site was sprayed conventionally, and Leon Schoenrock also applied Kendo (a pyrethroid) for aphid control.

Kasson – Planting conditions were excellent with good rains through July. Brian Herbst reported that aphid populations did not reach threshold. This site and region was sprayed conventionally, as both Roundup Ready and LibertyLink varieties were tested.

Test Site Description										
Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.				
Easton	clay loam	conventional	30	5/17	109,000	low				
Jeffers	clay loam	conventional	30	5/20	112,800	low				
Kasson	silt loam	conventional	30	5/15	123,500	low				
New Richland	clay loam	conventional	30	5/16	107,400	low				

1.6 - 2.3 Maturit	3 Maturity Group									Тор	30 of 81	tested	
Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Easton	Jeffers #	Kasson	New Richland
Kruger	K2-1901	RR2Y	1.9	R	AC	65.4	9.7	0.0	\$637.7	61.4	50.0	66.9	67
Hefty	H23Y10	RR2Y	2.3	S	AC	63.2	10.8	0.0	\$616.2	57.5	51.1	61.7	70
NorthStar	NS1916NR2	RR2Y	1.9	R	CM	62.8	9.6	0.0	\$612.3	59.0	50.1	64.1	65
Titan Pro	20M1*	RR2Y	2.0	R	CM	62.3	10.4	0.0	\$607.4	52.6	45.3	62.5	71
Titan Pro	23M9*	RR2Y	2.3	S	CM	62.2	10.3	0.0	\$606.5	58.3	48.8	63.2	65
Gold Country	2140	RR2Y	2.1	R	AC	61.9	10.0	0.0	\$603.5	54.4	42.8	65.4	65
Viking	2112R2N	RR2Y	2.1	R	AC	61.8	10.1	0.4	\$602.6	58.6	48.9	61.0	65
Prairie Brand	PB-1942R2	RR2Y	1.9	R	CM	61.7	10.1	0.0	\$601.6	56.4	46.9	65.7	62
Gold Country	1844	RR2Y	1.8	R	AC	60.9	10.3	0.0	\$593.8	55.9	46.7	63.7	63
Wensman	W3230R2	RR2Y	2.3	S	AC	60.9	10.5	0.4	\$593.8	56.8	55.4	63.9	61
Viking	2000R2N	RR2Y	2.0	R	AC	60.8	9.9	0.0	\$592.8	56.7	46.2	58.3	67
Prairie Brand	PB-1722R2	RR2Y	1.7	R	AC	60.7	9.9	0.0	\$591.8	55.2	47.3	65.1	61
Wensman	W3180NR2	RR2Y	1.8	R	AC	60.5	10.3	0.0	\$589.9	53.0	50.5	64.4	64
Gold Country	1644	RR2Y	1.6	R	AC	60.4	9.8	0.0	\$588.9	55.9	43.2	64.9	60
Prairie Brand	PP-202	RR2Y	2.0	MR	CM	60.2	10.1	0.4	\$587.0	57.0	42.2	62.9	60
Channel	1901R2	RR2Y	1.9	R	AC	60.0	9.8	0.4	\$585.0	54.6	44.3	66.7	58
Wensman	W3200NR2	RR2Y	2.0	R	AC	59.7	10.0	0.0	\$582.1	47.3	34.8	68.4	63
NorthStar	NS2116NR2	RR2Y	2.1	R	CM	59.5	10.4	0.0	\$580.1	49.9	44.7	66.0	62
NorthStar	NS2026NR2	RR2Y	2.0	R	CM	59.4	10.0	0.0	\$579.2	53.3	48.9	63.4	61
Prairie Brand	PB-2058NRR	RR	2.0	R	T6	59.3	9.9	0.0	\$578.2	52.2	37.9	65.2	60
Mustang	M-190NRR	RR	1.9	R	T6	59.2	10.0	0.0	\$577.2	55.9	53.0	60.7	61
Asgrow	AG2330 GC	RR2Y	2.3	R	AC	59.0	10.6	0.4	\$575.3	55.3	46.4	61.0	60
Mustang	M-20221	RR2Y,STS	2.0	R	AC	58.8	9.8	0.0	\$573.3	53.8	49.2	60.9	61
Mustang	M-21421	RR2Y	2.1	R	AC	58.8	10.2	0.0	\$573.3	48.4	44.3	61.3	66
Titan Pro	20M70	RR2Y	2.0	S	CM	58.8	10.4	0.9	\$573.3	54.1	46.3	63.4	58
NuTech	7199	RR	1.9	R	CM	58.7	10.1	0.0	\$572.3	55.3	53.9	59.4	61
Channel	2300R2	RR2Y	2.3	R	AC	58.7	10.2	0.0	\$572.3	54.0	48.1	60.7	61
Viking	2294NRR	RR	2.2	R	CM	58.7	10.6	0.0	\$572.3	53.6	43.1	62.8	59
Kruger	K2-1602	RR2Y	1.6	R	AC	58.7	9.8	1.0	\$572.3	56.0	40.3	60.8	59
Legend	LS-2338LL	LL	2.3	S	T6	58.6	10.6	0.0	\$571.4	53.4	48.0	58.1	64
Site Averages =						57.7	10.2	0.3	\$562.6	51.8	44.2	61.0	60
LSD (0.10) =						4.4	0.5	n.s.	_,,,,,,,,,,	5.0	8.5	4.9	5.
(00)							0.0		# = re	ejected res			

SEEDING SUCCESS

In plant breeding, the highest yield and lowest risk come from diversified genetics

Genetic diversity is the key to crop security, and nowhere is the importance of genetic diversity emphasized more than in Slater, lowa, one of 22 Syngenta Seeds corn and soybean breeding and testing sites. A walk through the corn testing sites shows that these hybrids have been developed to sprout red, pink or yellow anthers and produce silks ranging from yellow to red, with several shades in between.

"This is a reflection of the genetic diversity that we're bringing to the row crop market," explains Geater. "We're seeing differences in color, height and leaf architecture because we're bringing together genetic parents that have never met before."

Syngenta seed breeding material comes from many different sources, including germplasm collections from Garst, Golden Harvest, CHS, and NK and GreenLeaf Genetics for corn and soybeans, AgriPro for wheat, and ROGERS for vegetables. Many of these collections were developed from independent gene pools.

"When Syngenta combined the corn germplasm collections under one roof, it created opportunities for

genetic combinations that would have been impossible just a few years ago," says Geater.

More Choices, More Yield

Today, Syngenta has more parent material for corn and soybeans than any other seed company. Beyond variations in plant shape and color, the genetic diversity is pushing yield to new highs and risk to new lows.

"Plant breeding is like grain marketing," says Eric Boersma, corn portfolio manager with Syngenta Seeds. "You don't want to lock into one price, nor do you want to lock into one genetic family." In corn, for example, a germplasm collection that lacks the correct gene for a specific disease tolerance will never be able to produce a hybrid with tolerance to that disease.

"When your genetic pool is limited, you have fewer opportunities to improve product performance, and you expose the crop to more risk from unexpected pest and weather stresses," says Boersma. "We saw this happen this season with outbreaks of Goss's Wilt throughout the Corn Belt. Growers who planted a narrow range of hybrids with susceptibility to this disease were exposed to much more risk than growers who planted hybrids with



more genetic diversity, and they paid the price for it."

Higher Highs

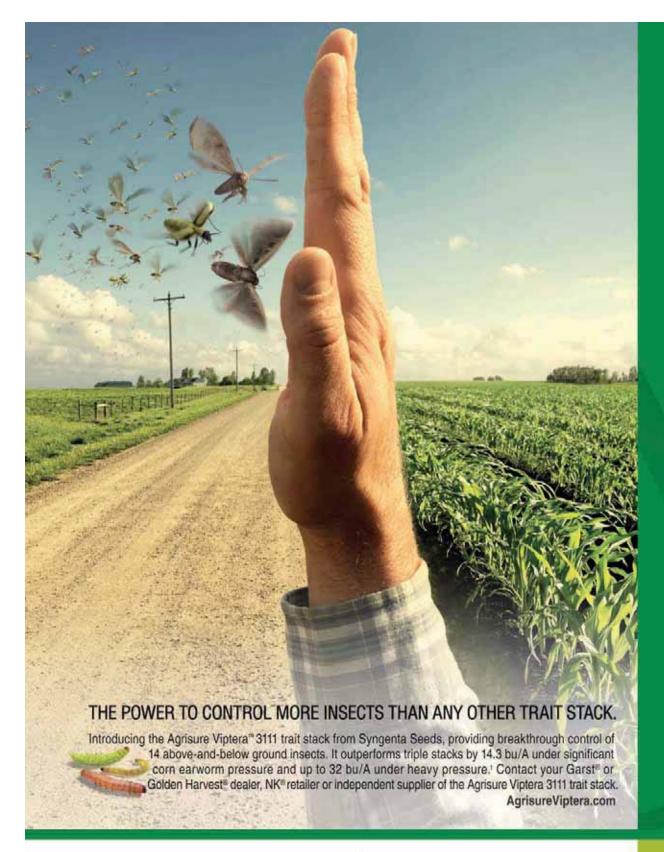
By pushing the highs and lifting the lows, genetic diversity is generating a new level of yield potential that's just beginning to flow through the Syngenta corn pipeline.

"Things started to get really exciting about three years ago," says Geater. "By then, we had sorted out the strengths of each collection, and we could start mixing and matching the genetics in a way that would create a significant step change in product performance."

In 2007, for example, corn products in late-stage development yielded an average of 4 to 6 bushels per acre more than competitive products with comparable characteristics. Just two years later, products at the same stage of development averaged 8.5 to 10 bushels per acre more than comparable competitive products.

"It's a clear yield trend that gives proof to what we inherently know to be true: Greater genetic diversity equals greater yield and reduced risk," says Boersma.







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2007-2009 Syngerita data from replicated trusts on locations with natural pest pressure