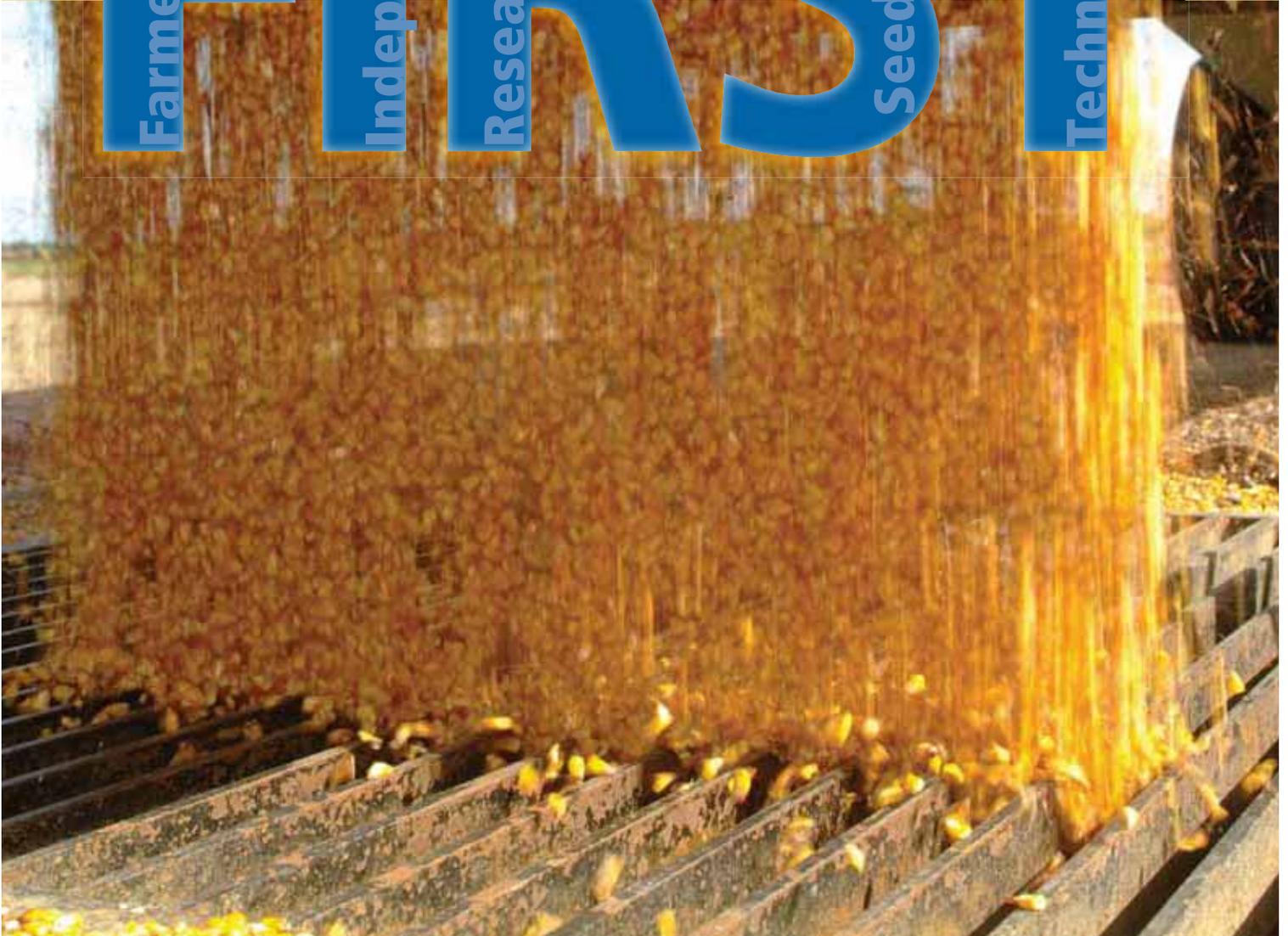


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# FIRST

Farmer's  
Independent  
Research of  
Seed  
Technologies



**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.

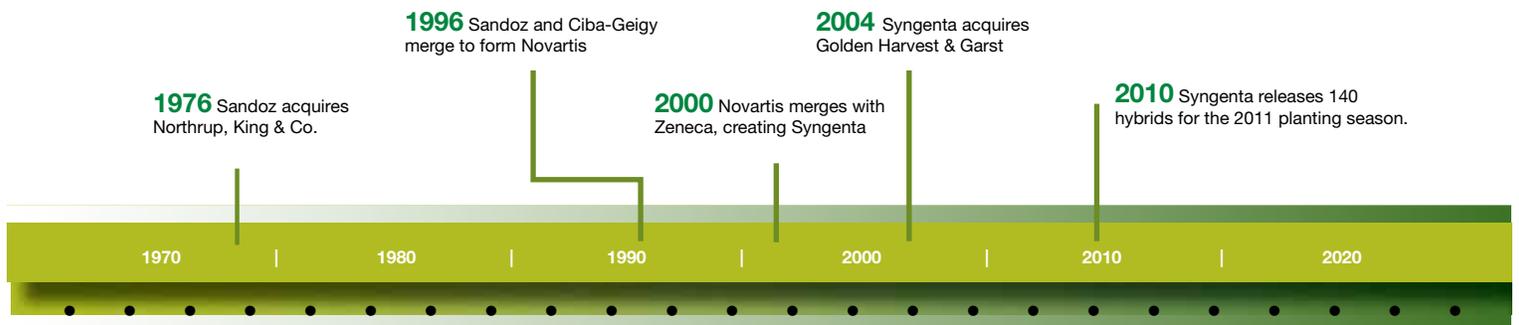
Growers know that a diverse genetic base means more than delivering outstanding yield. It also means more consistency and reduced risk.

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.



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## 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	Accelaron®
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](http://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](http://www.firstseedtests.com), click Media and Print Media to download or view all results editions or type [www.firstseedtests.com/printmedia.htm](http://www.firstseedtests.com/printmedia.htm) into your browser.

Cover photo by Denny Eilers

## Great Lakes Edition

*Covering Wisconsin, Michigan and Northern Illinois, Indiana and Ohio*

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

**F**armer'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:

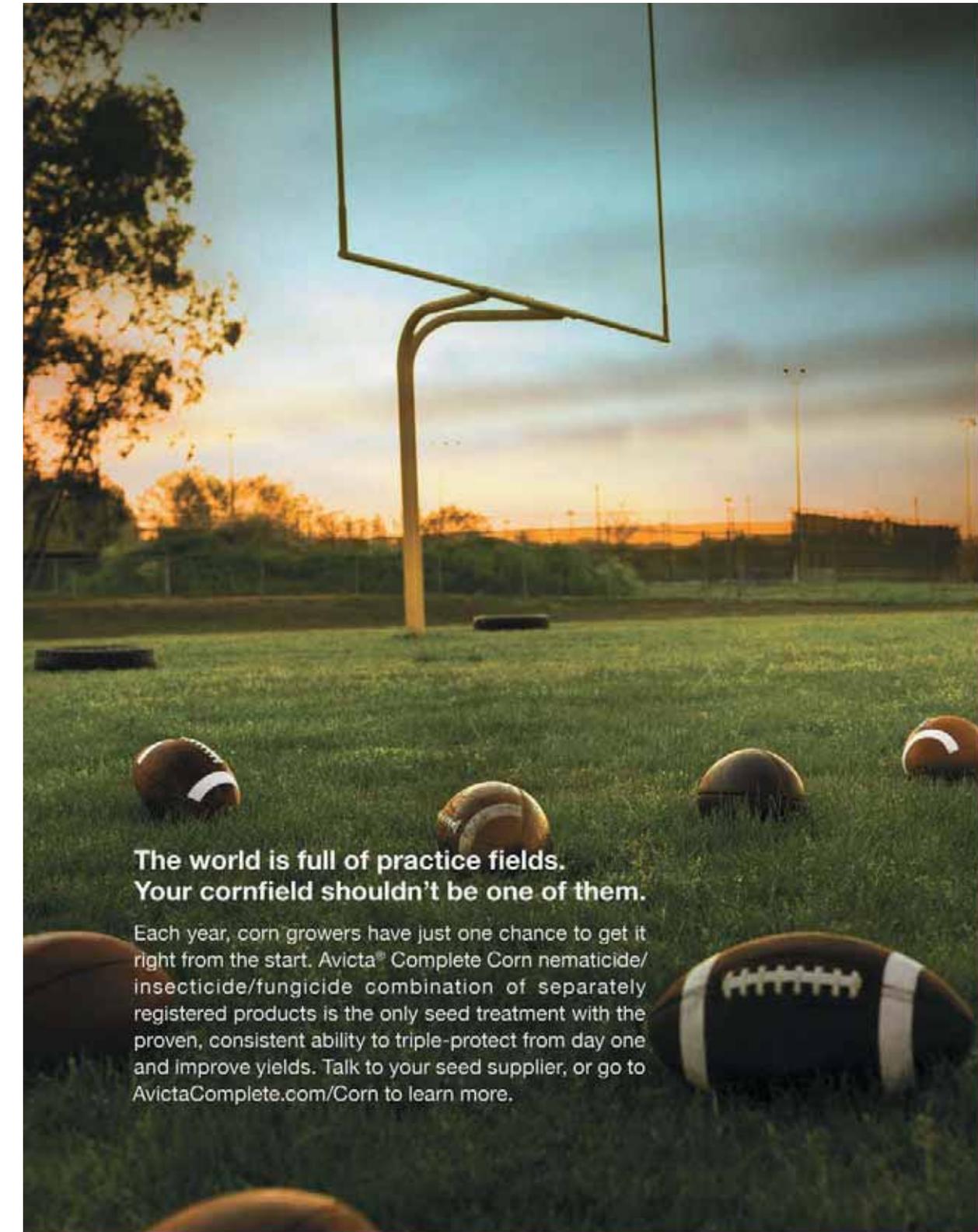
S – susceptible,

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.



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Your cornfield shouldn't be one of them.**

Each year, corn growers have just one chance to get it right from the start. Avicta® Complete Corn nematicide/insecticide/fungicide combination of separately registered products is the only seed treatment with the proven, consistent ability to triple-protect from day one and improve yields. Talk to your seed supplier, or go to [AvictaComplete.com/Corn](http://AvictaComplete.com/Corn) to learn more.

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Corn**

**syngenta®**

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TM

# 2010 Season Highlights

**V**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 Iowa 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**

	% change '09 to '10	bu. (+/-) '09 to '10	(bu. per acre)		
			2010	2009	2008
<b>Minimum</b>	-64.4	-54.5	30.1	84.6	18.8
<b>Average</b>	-5.3	-10.8	191.6	202.4	191.9
<b>Maximum</b>	-3.5	-11.0	299.6	310.6	281.0

**Soybean Yield**

	% change '09 to '10	bu. (+/-) '09 to '10	(bu. per acre)			
			2010	2009	2008	
<b>Minimum</b>	-78.7	-16.3	4.4	20.7	18.3	<b>Minimum</b>
<b>Average</b>	+10.4	+5.6	59.6	54.0	51.9	<b>Average</b>
<b>Maximum</b>	+13.6	+10.9	91.2	80.3	90.9	<b>Maximum</b>

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 Iowa 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 Iowa, points out that results in south central Iowa 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](http://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 22*

# Farmer's Independent Research of Seed Technologies

EARLY SEASON TEST 99 - 104 Day CRM

Top 30 of 54 tested

WISCONSIN South Corn Results

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Arlington	Darien	Oregon	Spring Green	Watertown	Woodstock
Jung	7520VT3	VT3	P250	<b>235.4</b>	17.9	1.0	\$914.3	1	<b>216.8</b>	<b>234.6</b>	<b>242.9</b>	<b>221.5</b>	241.0	<b>255.4</b>
Trelay	6VT154	VT3	P250	<b>225.2</b>	18.0	1.2	\$873.8	3	186.8	<b>237.9</b>	<b>249.3</b>	<b>213.9</b>	226.1	<b>237.4</b>
Channel	201-16VT3	VT3	P250	<b>224.5</b>	17.6	1.0	\$874.7	2	209.8	<b>234.5</b>	238.0	201.5	232.4	230.6
Trelay	6ST576	SS	P250	<b>223.3</b>	18.4	1.0	\$862.8	8	<b>220.6</b>	216.3	227.5	<b>216.8</b>	241.2	217.3
NuTech	G2 5H-404^	HX,RR2	C250	<b>222.7</b>	18.0	1.0	\$864.1	5	199.3	225.5	226.3	197.2	<b>253.3</b>	<b>234.6</b>
NuTech	G2 5X-905^	HXT,RR2	C250	<b>222.2</b>	18.2	1.0	\$860.4	9	194.1	<b>230.5</b>	239.3	186.7	<b>259.0</b>	223.5
Channel	199-55VT3	VT3	P250	221.8	17.4	1.0	\$865.9	4	197.9	223.0	232.2	<b>210.6</b>	239.5	227.6
Garst	86J49-3000GT GC 3000GT	C500	C500	221.8	17.6	1.5	\$864.1	6	189.1	<b>233.2</b>	<b>246.2</b>	200.0	228.4	233.8
Stine	9421RR	RR2	P250	221.5	17.6	1.0	\$863.0	7	188.7	223.7	234.9	<b>208.1</b>	241.2	232.6
Kruger	K-6201VT3	VT3	P250	221.0	18.1	1.2	\$856.6	12	211.1	226.9	237.7	205.9	213.4	230.9
NuTech	5N-804	3000GT	C250	220.5	18.1	1.0	\$854.7	13	191.9	223.6	238.8	190.6	<b>257.6</b>	220.5
Dekalb	DKC52-59	VT3	P250	219.9	17.3	1.0	\$859.4	10	208.6	225.8	224.6	207.6	225.5	227.0
Dekalb	DKC51-86	VT3P	P250	219.3	17.3	1.0	\$857.0	11	206.8	224.5	226.8	199.0	236.4	222.2
Kruger	K-7302	VT3P	P250	218.0	17.8	1.2	\$847.6	14	<b>220.0</b>	212.1	238.9	<b>210.6</b>	216.1	210.0
AgriGold	A6276VT3	VT3	P250	217.5	18.0	1.0	\$843.9	17	206.0	225.0	219.6	206.4	230.5	217.7
Fielders Choice	NG6583	VT3	P250	217.0	18.1	1.5	\$841.1	18	186.9	226.9	<b>244.2</b>	202.8	216.6	224.6
Great Lakes	5090G3VT3	VT3	P250	216.9	17.6	1.0	\$845.0	16	201.5	222.2	215.5	<b>217.5</b>	225.8	218.6
AgriGold	A6323GT3	3000GT	C250	216.6	18.4	1.0	\$836.9	19	175.7	217.5	238.0	198.6	241.8	227.9
NuTech	5N-705	3000GT	C250	214.0	18.7	1.0	\$824.3	22	170.2	<b>233.2</b>	235.7	178.6	239.8	226.4
Fielders Choice	NG6646	VT3	P250	213.0	17.9	1.0	\$827.3	21	196.4	215.5	<b>221.8</b>	194.6	225.4	224.4
Stine	9523VT3	VT3	P250	213.0	18.4	1.0	\$823.0	23	196.1	216.5	<b>244.3</b>	194.5	193.0	233.8
NuTech	5N-803	3000GT	C250	212.6	17.6	2.8	\$828.3	20	165.0	221.0	239.7	205.2	225.5	218.9
Renk	RK698VT3	VT3	P250	210.9	17.9	1.0	\$819.1	24	199.0	213.7	216.9	184.3	234.9	216.8
Great Lakes	5306G3VT3	VT3	P250	210.7	18.2	1.2	\$815.8	27	194.8	215.2	234.9	191.1	217.4	210.8
FS Seeds	FS52SV3	VT3	P250	210.3	17.7	1.0	\$818.5	25	175.9	225.7	230.4	204.3	205.0	220.6
Garst	87D54-3000GT GC 3000GT	C500	C500	209.4	17.7	1.0	\$815.0	28	196.1	217.5	231.9	201.1	182.2	227.4
Kruger	K-6399VT3	VT3	P250	209.2	17.3	1.0	\$817.6	26	187.6	205.6	221.0	196.5	227.1	217.5
FS Seeds	FS53SV3	VT3	P250	208.6	17.9	1.0	\$810.2	30	189.5	213.1	218.4	195.2	215.0	220.4
Renk	RK670VT3	VT3	P250	208.4	17.3	1.0	\$814.4	29	194.8	221.4	220.1	183.3	216.0	214.6
AgriGold	A6220VT3Pro	VT3P	P250	206.6	17.0	5.5	\$809.9	31	181.0	215.1	<b>213.7</b>	203.1	222.0	204.6
Pioneer	35K04 CK	HXT,RR2	P250	219.5	18.5	1.0	\$847.3	15	186.5	215.2	<b>244.3</b>	206.2	<b>233.5</b>	<b>231.5</b>
<b>Test Average =</b>				<b>211.7</b>	<b>17.8</b>	<b>1.3</b>	<b>\$823.2</b>		<b>189.9</b>	<b>216.5</b>	<b>228.1</b>	<b>196.1</b>	<b>220.8</b>	<b>218.5</b>
LSD (0.10) =				10.3	0.3	n.s.			23.0	11.9	14.0	12.0	22.9	16.1

FULL SEASON TEST 105 - 108 Day CRM

Top 30 of 45 tested

FS Seeds	FS60MV4	VT3P	P250	<b>238.8</b>	20.5	1.0	\$902.7	2	215.9	<b>248.1</b>	252.1	<b>222.7</b>	243.0	<b>250.7</b>
Dekalb	DKC57-50	VT3	P250	<b>238.4</b>	20.2	1.0	\$904.0	1	216.0	<b>255.5</b>	244.8	<b>221.8</b>	240.8	<b>251.4</b>
NuTech	3T-110	VT3	C250	<b>237.3</b>	20.6	1.0	\$896.0	4	204.9	<b>252.5</b>	245.7	218.6	240.9	<b>260.9</b>
Garst	85V88-3000GT GC 3000GT	C500	C500	<b>236.6</b>	19.7	1.0	\$901.9	3	210.1	228.8	249.6	<b>221.5</b>	<b>262.3</b>	<b>247.4</b>
Dekalb	DKC59-35	VT3	P250	<b>233.9</b>	20.5	1.0	\$884.1	5	202.6	228.6	<b>254.5</b>	214.3	<b>261.2</b>	<b>242.3</b>
Jung	7610VT3	VT3P	P250	<b>230.9</b>	19.4	1.0	\$883.0	6	<b>237.9</b>	224.9	242.9	205.5	<b>250.7</b>	223.7
Mycogen	2C641	RR2	C250	230.4	20.1	1.2	\$874.6	8	201.5	237.7	244.0	<b>223.2</b>	<b>248.2</b>	227.5
Renk	RK744VT3	VT3	P250	228.8	19.1	1.2	\$877.7	7	<b>229.7</b>	215.9	236.4	209.5	246.0	235.2
NuTech	3T-808	VT3	C250	227.2	20.4	1.6	\$859.7	10	204.5	232.3	247.5	206.3	232.3	<b>240.5</b>
Trelay	6VT618	VT3	P250	227.0	19.5	1.0	\$867.1	9	217.0	215.6	248.0	209.7	241.7	229.7
Stine	9531VT3Pro	VT3P	P250	225.3	20.2	1.0	\$854.3	11	199.4	<b>252.3</b>	245.8	<b>220.9</b>	217.8	215.3
Dairyland	ST9006	VT3	P250	222.7	19.3	1.2	\$852.5	13	206.5	231.0	247.4	204.6	220.5	225.9
AgriGold	A6389VT3	VT3	P250	222.4	19.4	1.0	\$850.5	14	210.5	210.3	227.3	<b>221.6</b>	233.1	231.7
NuTech	G2 5H-608^	HX,RR2	C250	222.4	19.7	1.0	\$847.8	15	190.8	231.5	250.0	206.5	231.2	224.4
Kruger	K-6006VT3	VT3	C250	221.8	18.9	1.0	\$852.6	12	211.5	227.8	229.6	206.1	216.6	239.1
NuTech	G2 5H-007^	HX,RR2	C250	220.7	19.3	1.0	\$844.8	17	193.7	216.7	246.9	209.4	234.3	222.9
Kruger	K-6408VT3	VT3	P250	220.7	19.8	1.0	\$840.4	20	207.5	219.9	237.5	207.6	236.2	215.7
Channel	205-94VT3	VT3	P250	220.6	19.1	1.0	\$846.2	16	218.6	213.9	222.8	208.7	238.3	221.3
AgriGold	A6325VT3	VT3	P250	220.0	19.1	1.0	\$843.9	18	203.8	223.1	235.5	197.9	237.9	221.5
Jung	7V635	VT3P	P250	220.0	19.7	3.7	\$838.6	22	198.5	215.2	<b>258.8</b>	220.2	182.3	<b>244.9</b>
Trelay	7VP164	VT3P	P250	219.8	20.4	2.3	\$831.7	24	186.4	227.0	249.5	207.0	212.7	236.3
FS Seeds	FS56SV3	VT3	P250	219.4	19.0	1.0	\$842.5	19	217.6	229.0	221.5	199.6	217.1	231.8
NuTech	G2 5X-908^	HXT,RR2	C250	219.4	20.3	1.0	\$831.1	25	209.0	220.2	221.2	211.2	241.5	213.1
Jung	7S555	SS	P250	218.4	18.9	1.0	\$839.5	21	207.8	228.2	241.2	203.2	229.6	200.1
Dairyland	ST9206Q	HXT,RR2	C250	217.6	19.7	1.0	\$829.5	26	202.5	223.9	233.1	195.2	232.5	218.4
Mycogen	2J597	SS	C250	217.2	18.9	1.0	\$834.9	23	205.0	216.4	231.6	199.4	239.6	211.4
Garst	85E98-3000GT GC 3000GT	C500	C500	217.1	19.9	1.0	\$825.8	28	190.6	219.2	234.3	210.7	230.0	217.9
LG Seeds	LG2549VT3	VT3	P250	217.0	20.2	1.2	\$822.9	31	171.1	236.0	245.2	209.3	218.7	221.7
Fielders Choice	NG6676 GC	VT3	P250	215.4	19.2	1.0	\$825.4	29	213.2	220.8	236.9	208.0	205.8	207.4
Garst	86T82-3000GT GC 3000GT	C500	C500	214.7	18.7	1.2	\$827.0	27	200.3	226.9	242.0	211.3	213.6	194.0
Pioneer	35K04 CK	HXT,RR2	P250	215.2	19.4	1.0	\$822.9	30	186.0	210.9	242.0	199.8	227.6	224.8
<b>Test Average =</b>				<b>219.3</b>	<b>19.7</b>	<b>1.1</b>	<b>\$835.7</b>		<b>203.2</b>	<b>222.3</b>	<b>236.9</b>	<b>204.7</b>	<b>224.5</b>	<b>224.1</b>
LSD (0.10) =				13.0	0.5	n.s.			20.1	17.3	16.8	15.6	22.9	16.1



Jason Beyers, FIRST Manager



## Field Notes: Wisconsin South

### Stats:

Yield Range: 155.1 to 262.3 bu. per acre

Yield Average: 215.5 bu. per acre

Top \$ Per Acre: \$1,008.30

**Woodstock** – This test site had excellent yields (218.5 bu. per acre in the early-season test and 224.1 bu. per acre in the full-season test) and consistent soil type across the plot. Planting conditions were excellent and were followed by timely rains for the duration of the growing season. Late-season warm weather helped aid in grain drydown. All plants were standing very well at harvest with little evidence of any disease or insect pressure.

**Darien** – Plant health was excellent at this test plot. All hybrids were standing perfectly and there was no evidence of any disease. Art Fletcher made the comment that the plot received good rainfall all season and missed some of the big rains that hit areas close by. All of the hybrids pollinated clear to the tip of the ear. The average yields at this site were 216.5 bu. per acre in the early-season test with a slight increase to 222.3 bu. per acre for the full-season test.

**Watertown** – As can be seen from the stand stats, this location struggled emerging, which potentially caused some of the yield variance. Rainfall the rest of the season was excessive at some points. There was very little indication of any insect or disease pressure at harvest. Most of the plants had larger-than-normal stalk diameters. This test location was able to produce some very nice yields.

**Arlington** – Weather conditions this growing season caused inconsistent stresses to different areas at this location. Hybrids appeared to vary a lot across the plot, which the data indicates, though it is recommended that one uses the data from this test cautiously. We did not notice any evidence of disease or insect pressure. This site produced average yields of 189.9 bu. per acre in the early-season test and 203.2 bu. per acre in the full-season test.

**Oregon** – This was a very nice and high-yielding test plot. The crop

was uniform from the start and was fortunate enough to get some nice weather throughout the growing season. Mark Riese made the comment that rains were good all season and that the big rains all drifted either north or south of the test location. There was some diplodia on a few of the ears, but no other diseases were found. This site had great stalk quality, which was still present when harvest rolled around.

**Spring Green** – This location was put in an irrigated field, but due to record rainfall during the growing season the irrigator was never even used. Willy Hutters commented that there was a lot of nitrogen lost this year with the amount of rainfall he had here. At harvest, all plants were standing excellently and there was no evidence of any disease. This plot produced an average yield of 196.1 bu. per acre on the early test and 204.7 bu. per acre on the full-season test.

Test Site Description						Test Average			Yield Check Comparison (Pioneer 35K04)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Arlington	silt loam	strip-till	Corn	120	4/30	31,600	1.1	196.6	186.5	186.0	0.5
Darien	silt loam	conventional	Soybean	161	4/27	31,650	1.0	219.4	215.2	210.9	4.3
Oregon	silt loam	conventional	Soybean	185	4/29	31,400	1.0	232.5	244.3	242.0	2.3
Spring Green	sandy loam	no-till	Soybean	200	4/29	33,900	1.0	200.4	206.2	199.8	6.4
Watertown	sandy loam	conventional	Soybean	98	4/30	29,100	2.2	222.7	233.5	227.6	5.9
Woodstock	silt loam	conventional	Soybean	252	4/27	33,600	1.1	221.3	231.5	224.8	6.7

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

# Farmer's Independent Research of Seed Technologies

EARLY SEASON TEST 101 - 106 Day CRM

Top 30 of 63 tested

**NCTS**  
 North Central Tri-States Corn Results

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Lancaster	Manchester	Miles	Milledgeville	Postville	Warren
NuTech	G2 5H-608A^	HX,RR2	C250	<b>231.6</b>	23.1	5.8	\$851.4	2	<b>261.9</b>	<b>249.5</b>	200.1	<b>248.3</b>	204.3	225.4
Jung	7S555	SS	P250	<b>227.8</b>	21.4	10.6	\$852.9	1	<b>249.6</b>	227.7	201.3	<b>237.4</b>	214.8	<b>235.8</b>
Great Lakes	5643VT3PRO	VT3P	P250	<b>226.1</b>	21.9	11.0	\$842.0	3	<b>243.7</b>	224.1	<b>220.2</b>	223.7	210.3	<b>234.5</b>
Croplan	575VT3	VT3	C250	<b>224.1</b>	22.3	14.8	\$831.0	7	<b>251.5</b>	224.4	<b>211.3</b>	223.1	200.9	<b>233.1</b>
LG Seeds	LG2527VT3	VT3	P250	<b>223.2</b>	21.1	10.5	\$838.3	4	<b>241.3</b>	216.3	204.9	<b>231.6</b>	207.4	<b>237.4</b>
Croplan	5415VT3P	VT3P	C250	<b>223.2</b>	21.3	6.6	\$836.6	5	233.5	220.6	205.8	217.0	214.9	<b>247.3</b>
NuTech	G2 5H-404^	HX,RR2	C250	<b>222.2</b>	21.1	1.8	\$834.6	6	206.8	<b>239.2</b>	<b>213.0</b>	<b>231.4</b>	218.9	223.6
Trelay	6ST576	SS	P250	220.1	20.8	9.8	\$829.3	8	<b>242.4</b>	211.6	203.5	213.3	212.8	<b>236.9</b>
Fontanelle	6A688	SS	P250	218.5	21.8	8.7	\$814.6	11	237.9	209.8	186.6	228.5	212.6	<b>235.4</b>
Cornelius	C462-3000GT	3000GT	C250	218.4	21.7	9.4	\$815.1	10	218.5	220.9	196.5	224.8	213.2	<b>236.2</b>
Dairyland	ST9206Q	HXT,RR2	C250	217.7	22.3	7.9	\$807.2	15	<b>244.8</b>	226.4	208.5	218.3	192.4	215.8
AgriGold	A6323GT3	3000GT	C250	216.9	21.7	13.1	\$809.5	13	227.7	222.9	202.9	195.1	<b>222.0</b>	230.5
NuTech	5N-804	3000GT	C250	215.3	21.0	10.6	\$809.5	12	224.0	213.2	195.3	229.8	212.1	217.4
Kruger	K-6006VT3	VT3	C250	215.3	21.2	10.8	\$807.8	14	<b>266.6</b>	199.3	195.5	203.8	200.9	225.6
Croplan	5237SS	SS	C250	214.9	21.4	7.5	\$804.6	20	223.5	<b>235.5</b>	201.7	195.5	207.4	225.9
Cornelius	C447VT3	VT3	P250	214.8	21.1	8.6	\$806.8	16	216.5	221.5	204.3	213.4	207.1	226.1
NuTech	3T-808	VT3	C250	214.6	21.7	15.1	\$800.9	22	<b>241.5</b>	220.4	<b>218.0</b>	208.6	186.7	212.4
NuTech	5N-705	3000GT	C250	213.9	20.8	3.7	\$806.0	17	227.1	218.1	188.3	207.7	<b>229.1</b>	212.8
Kruger	K-7302	VT3P	P250	212.9	20.5	5.5	\$804.8	19	226.7	212.9	188.7	217.1	214.1	218.0
FS Seeds	FS54SX1	SS	P250	212.9	20.9	20.1	\$801.4	21	<b>242.5</b>	212.9	198.8	204.5	203.9	214.9
Mycogen	2K592	VT3	C250	212.0	22.0	10.7	\$788.6	31	217.0	224.9	205.1	225.1	184.7	215.0
Trelay	6VT618	VT3	P250	211.8	20.8	9.2	\$798.1	24	227.0	202.7	201.8	193.6	220.3	225.5
Jung	7520VT3	VT3	P250	211.4	19.8	9.6	\$805.0	18	194.2	217.7	195.7	223.5	215.2	222.3
Wyffels	W2751	VT3	P250	211.0	21.2	6.0	\$791.7	26	221.1	213.2	196.5	212.9	215.1	206.9
Wyffels	W5051	VT3	P250	210.9	21.3	17.0	\$790.5	30	215.2	213.9	193.6	213.0	212.5	217.2
Trelay	6VT154	VT3	P250	210.8	20.3	6.8	\$798.5	23	207.9	208.7	194.9	203.4	<b>228.0</b>	222.1
Renk	RK619SSTX	SS	P250	210.5	21.0	6.6	\$791.5	27	226.9	210.5	202.2	209.2	194.8	219.4
AgriGold	A6276VT3	VT3	P250	209.2	20.5	6.1	\$790.8	28	213.5	208.9	188.6	225.7	210.3	208.2
Dekalb	DKC51-86	VT3P	P250	207.9	19.5	9.9	\$794.2	25	206.8	200.0	200.8	209.4	215.4	215.2
Channel	199-55VT3	VT3	P250	207.2	19.6	11.3	\$790.7	29	235.5	193.7	194.1	195.5	199.5	224.9
Pioneer	35K04 CK	HXT,RR2	P250	219.3	21.9	9.7	\$816.7	9	224.0	<b>230.6</b>	207.8	211.7	214.3	227.6
<b>Test Average =</b>				<b>209.3</b>	<b>21.0</b>	<b>10.7</b>	<b>\$786.9</b>		<b>222.3</b>	<b>209.0</b>	<b>195.8</b>	<b>206.0</b>	<b>202.6</b>	<b>220.3</b>
LSD (0.10) =				11.1	0.9	9.5			18.8	20.5	15.3	24.0	17.9	12.2

FULL SEASON TEST 107 - 110 Day CRM

Top 30 of 63 tested

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Lancaster	Manchester	Miles	Milledgeville	Postville	Warren
Jung	7681VT3	VT3	P250	<b>245.4</b>	23.5	5.6	\$898.2	1	<b>276.7</b>	<b>240.1</b>	<b>241.5</b>	<b>260.0</b>	<b>239.4</b>	214.7
Dyna-Gro	57V40	VT3	P250	<b>239.2</b>	24.6	8.6	\$864.9	2	<b>252.5</b>	<b>240.5</b>	<b>247.2</b>	225.8	<b>237.6</b>	<b>231.6</b>
Channel	209-77VT3 GC	VT3	P250	<b>234.6</b>	23.4	11.3	\$859.6	3	<b>262.1</b>	207.3	234.9	240.4	<b>250.3</b>	212.5
NuTech	3T-110	VT3	C250	<b>233.0</b>	24.8	13.9	\$840.7	4	<b>238.0</b>	<b>241.6</b>	<b>250.4</b>	222.9	<b>233.7</b>	211.5
LG Seeds	LG2549VT3	VT3	P250	<b>232.1</b>	25.7	6.6	\$829.1	9	222.7	<b>238.6</b>	232.9	<b>257.2</b>	227.8	213.5
Kruger	K-6010VT3	VT3	C250	<b>230.7</b>	24.4	7.1	\$836.1	6	<b>238.5</b>	<b>236.8</b>	221.9	232.3	216.2	<b>238.2</b>
NuTech	G2 5H-608^	HX,RR2	C250	<b>230.1</b>	24.1	6.3	\$836.6	5	211.4	<b>231.3</b>	<b>241.5</b>	233.1	<b>236.1</b>	<b>236.9</b>
Croplan	6331VT3	VT3	C250	<b>229.6</b>	24.4	12.3	\$832.1	8	<b>248.9</b>	<b>234.1</b>	233.1	231.0	210.5	219.8
Great Lakes	5939G3VT3	VT3	P250	<b>229.4</b>	24.3	3.6	\$832.3	7	<b>239.4</b>	224.9	<b>239.6</b>	<b>256.8</b>	218.9	196.9
Wyffels	W6871	VT3	P250	<b>227.3</b>	24.8	18.9	\$820.1	11	209.5	<b>246.6</b>	<b>237.5</b>	<b>228.1</b>	<b>232.5</b>	209.3
Dekalb	DKC59-35	VT3	P250	226.3	23.6	2.8	\$827.4	10	207.9	220.7	226.5	240.7	<b>241.3</b>	220.4
Croplan	6125VT3	VT3	C250	224.5	24.5	3.7	\$812.7	13	219.1	204.3	<b>235.3</b>	<b>250.2</b>	215.2	<b>222.7</b>
Channel	210-61VT3	VT3	P250	224.5	25.7	6.7	\$801.9	20	229.4	218.3	<b>241.2</b>	236.9	198.9	222.5
AgriGold	A6458VT3	VT3	P250	223.3	24.6	7.7	\$807.5	17	227.9	218.1	233.8	227.4	228.1	204.5
NuTech	G2 5X-909^	HXT,RR2	C250	223.2	25.3	3.1	\$800.8	21	217.9	<b>231.4</b>	231.3	<b>251.2</b>	<b>247.8</b>	159.8
Dekalb	DKC57-50	VT3	P250	222.7	23.7	9.0	\$813.3	12	224.8	207.8	229.1	216.9	219.9	<b>237.7</b>
FS Seeds	FS60MV4	VT3P	P250	222.3	24.8	13.8	\$802.1	19	213.8	211.8	<b>244.3</b>	233.3	215.6	215.1
Wyffels	W6261	VT3	P250	220.3	23.6	2.1	\$805.4	18	225.6	230.2	213.3	230.9	218.3	203.2
Dyna-Gro	V4993VT3	VT3	P250	219.8	23.1	9.3	\$808.0	16	221.8	194.6	224.2	230.9	211.0	<b>236.5</b>
Garst	85V88-3000GT GC 3000GT	C500	219.6	22.8	15.8	\$809.9	14	223.6	226.5	215.8	223.9	220.9	206.8	
Channel	208-72VT3	VT3	P250	219.3	23.8	6.2	\$800.0	22	226.6	209.0	230.4	227.2	209.1	213.4
Garst	85E98-3000GT GC 3000GT	C500	219.3	24.3	8.0	\$795.6	23	215.3	227.6	221.0	229.5	226.8	195.7	
NuTech	3T-708	VT3	C250	219.1	24.4	13.2	\$794.0	24	221.2	216.3	230.1	233.1	215.5	198.6
Dairyland	ST9410	VT3	C250	217.3	24.1	3.1	\$790.1	28	212.3	224.8	216.3	228.4	210.4	211.3
Dyna-Gro	56R60	HXT,RR2	P250	217.1	23.7	4.1	\$792.8	25	199.6	229.1	220.1	<b>266.5</b>	196.4	190.8
Kruger	K-6107VT3	VT3	C250	217.1	23.8	7.5	\$792.0	26	209.6	193.3	<b>237.5</b>	224.7	219.6	217.6
Trelay	7VP164	VT3P	P250	216.8	23.7	17.9	\$791.8	27	221.2	206.2	212.2	215.3	222.8	<b>222.9</b>
Stine	9531VT3Pro	VT3P	P250	216.4	24.7	6.5	\$781.6	31	220.9	226.2	221.0	215.3	216.4	198.6
FS Seeds	FS57SV3	VT3	P250	212.1	22.7	18.7	\$783.1	30	206.3	188.6	227.9	214.9	212.1	222.5
Renk	RK744VT3	VT3	P250	210.9	22.1	16.6	\$783.7	29	212.1	185.0	209.3	217.3	208.4	<b>233.4</b>
Pioneer	35K04 CK	HXT,RR2	P250	217.1	21.9	7.8	\$808.5	15	228.6	<b>230.3</b>	205.0	206.3	214.7	217.5
<b>Test Average =</b>				<b>214.4</b>	<b>24.1</b>	<b>9.5</b>	<b>\$779.2</b>		<b>217.2</b>	<b>211.4</b>	<b>221.5</b>	<b>222.3</b>	<b>210.6</b>	<b>203.1</b>
LSD (0.10) =				12.6	1.1	9.4			19.4	19.2	13.6	18.5	19.9	19.5



Jason Beyers, FIRST Manager



## Field Notes: North Central Tri-States

### Stats:

Yield Range: 159.8 to 276.7 bu. per acre

Yield Average: 211.8 bu. per acre

Top \$ Per Acre: \$1,025.50

**Milledgeville** – Corn at this location was standing well until a storm hit it around Sept. 20. Evidence of some stalk rot was present here. Rainfall this season was good for the major part of the growing season. Most of the lodging reported is due to root lodging. It was noticed that most kernels were very shallow at this location.

**Miles** – This plot had a great start and received ample amounts of rainfall all year, sometimes to the point of excess. Stalk quality was starting to become quite poor as well. The corn was starting to get too dry because there was a small amount of ear shelling at the head. Pollination was good on the majority of the hybrids. This site produced an average of 195.8 bu. per acre in the early test and 221.5 bu. per acre in the full-season test.

**Manchester** – Lodging was the main issue at this location. A windstorm a few weeks before

harvest played havoc on some of the hybrids. Stand was good and pollination was excellent. There were plenty of stalk rots present that deteriorated stalk quality. All hybrids had a good root system that enabled everything to be harvested. The final production numbers for this test plot averaged yields of 209 bu. per acre for the early season and 211.4 bu. per acre for the full season.

**Postville** – Harvest moisture was wetter than desired, but stalk quality was deteriorating rapidly. Anthracnose was the main culprit. Pollination was excellent on all hybrids and rainfall was good for most of the season. The plot was located on a hilltop, so drainage was no problem. Average yields for this test were 202.6 bu. per acre for the early test and 210.6 bu. per acre for the full-season test.

**Lancaster** – Disease was the main issue at our Lancaster test lo-

cation. Anthracnose, diplodia and a variety of stalk rots were all present. Corn was mostly still standing well, but we were glad that we harvested it a little wet. Pollination was good on most hybrids and rainfall was adequate all season. This test produced an average of 222.3 bu. per acre for the early-season test while the full-season test saw a decrease to 217.2 bu. per acre.

**Warren** – The Warren site in Jo Daviess County was a nice uniform site with ample amounts of rainfall this year. Almost all hybrids were standing perfectly. There was some evidence of gray leaf spot present. Excellent pollination was observed at this location. Observing that the average full-season test yield (203.1 bu. per acre) was below the early-season average yield (220.3 bu. per acre) would indicate that late-season heat may have reduced top-end yield of full-season hybrids.

Test Site Description						Test Average			Yield Check Comparison (Pioneer 35K04)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Lancaster	silt loam	conventional	Soybean	180	4/27	33,050	1.1	219.8	224.0	228.6	-4.6
Manchester	loam	conventional	Corn, 2+ yr	200	4/22	34,600	29.4	210.2	230.6	230.3	0.3
Miles	clay loam	conventional	Soybean	201	4/23	32,900	1.8	208.7	207.8	205.0	2.8
Milledgeville	silt loam	minimum	Soybean	155	4/24	33,050	25.4	214.2	211.7	206.3	5.4
Postville	silty clay loam	conventional	Soybean	230	4/29	33,900	1.6	206.6	214.3	214.7	-0.4
Warren	silt loam	conventional	Corn, 2+ yr	238	4/28	32,800	1.2	211.7	227.6	217.5	10.1

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



Jason Beyers, FIRST Manager



### Field Notes: Illinois North

**Stats:**

Yield Range: 131.5 to 258.6 bu. per acre  
 Yield Average: 201.4 bu. per acre  
 Top \$ Per Acre: \$935.10

**Mazon** – This location was planted early and had consistent rains during late April and all of May, which caused it to struggle early on. Then the rains completely quit until the end of August. Plant health was excellent, but it was evident that most hybrids were severely stressed during pollination. Most hybrid ears had missing kernels in the rows and the tips. Some product ear tips were missing as much as two inches of kernels. Yield levels this year were definitely disappointing in the area. The yields for the ultra-early test averaged 157.8 bu. per acre, the early-season test averaged 158.2 bu. per acre and the full-season test averaged a yield of 166.9 bu. per acre.

**Malta** – Diseases such as anthracnose, gray leaf spot and Goss's wilt were all present at this location. All scores for lodging represent stalk lodging for this site. Fortunately, nearly all ears entered the corn head because stalks remained intact despite being broken over. We did receive ample amounts of rainfall early in the season, which stressed some hybrids that don't like wet feet. Most of the hybrids, however, did have good kernel size and depth. Considering the stresses that this location endured, the yield results were pleasing with an average of 210.9 bu. per acre for the ultra-early test, 208.7 bu. per acre for the early-season test and 215.1 bu.

per acre for the full-season test.

**Winnebago** – This test location was excellent all year long. Emergence for this plot was as even as anyone could ask for and was by far the most uniform location I saw this year when corn was at the five- to six-leaf stage. Rainfall was consistent the whole season, allowing all hybrids to experience great pollination and have almost ideal kernel fill in this area. All of the hybrids were maintaining excellent plant health at the time of harvest. There was some minor evidence of anthracnose and gray leaf spot present in the plot, but all in all, this was a great field. Average yields here were between 222.6 bu. per acre and 229.1 bu. per acre.

**Grand Ridge** – During July and most of August, hot, dry weather and lack of rain took their toll on this location. Stalk quality on some hybrids was poor due to anthracnose being present in

the plot. Most of the observed lodging was from stalk lodging. The majority of the hybrids experienced good pollination and a good deep kernel set. Field averages in this area were down 15 bu. per acre to 20 bu. per acre compared to the past few years. Average yields ranged from 159.7 bu. per acre to 236.5 bu. per acre. In the same plot location in 2004, we had a hybrid achieve 296.2 bu. per acre.

**Sublette** – This location has a good high-yielding soil type with excellent water-holding capacity. Pitch in good fertility levels and good farming practices, and the results are almost never disappointing. This site showed positive yields with nearly all hybrids producing over 200 bu. per acre. All of the hybrids were standing proudly at harvest with good, healthy stalks. All lodging scores are attributed to root lodging on this site. Almost all plants had

Test Site Description (Ultra-Early Season Test)						Test Average		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)
Grand Ridge	silty clay loam	conventional	Corn, 2+ yr	232	4/20	35,300	7.0	194.8
Malta	silty clay loam	conventional	Corn, 2+ yr	200	4/21	34,100	7.4	210.9
Mazon	silty clay loam	conventional	Soybean	204	4/20	35,500	1.5	157.8
Sublette	silty clay loam	conventional	Corn	170	4/19	34,800	2.2	213.2
Walnut	silt loam	strip-till	Soybean	147	4/21	34,000	1.2	183.9
Winnebago	silt loam	conventional	Soybean	203	4/22	35,400	1.1	222.6



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# Farmer's Independent Research of Seed Technologies

ULTRA-EARLY SEASON TEST 101 - 105 Day CRM

Top 30 of 54 tested

**ILNO**  
 Illinois North Corn Results

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Grand Ridge	Malta	Mazon	Sublette	Walnut	Winnebago
Jung	7S555	SS	P250	214.2	18.8	3.2	\$824.2	1	207.0	234.7	152.3	239.9	208.2	242.8
Trelay	6ST576	SS	P250	209.1	19.2	1.8	\$801.3	2	189.6	229.5	158.4	234.4	214.0	228.5
LG Seeds	LG2510STX	SS	P250	207.2	19.1	3.2	\$794.8	6	199.2	229.8	169.2	216.4	208.7	220.0
Heritage	8390GENSS	SS	P250	207.1	19.0	2.5	\$795.3	5	203.1	241.1	152.9	223.4	193.5	228.8
Garst	86T82-3000GT	3000GT	C500	206.6	19.0	2.5	\$793.3	7	213.1	216.6	157.6	220.6	196.2	235.2
Cornelius	C447VT3	VT3	P250	206.5	18.5	5.6	\$797.1	4	211.4	225.4	160.1	221.0	199.2	221.6
LG Seeds	LG2527VT3	VT3	P250	206.3	19.2	3.3	\$790.5	8	166.6	236.4	179.3	235.3	190.1	230.1
Channel	199-55VT3 GC	VT3	P250	206.2	18.0	2.2	\$800.1	3	218.2	228.1	152.0	223.1	192.2	223.3
Bo-Jac	9204	HXT,RR2	P250	206.1	20.3	2.5	\$780.7	13	206.1	197.8	161.9	226.2	219.4	225.0
AgriGold	A6309STX	SS	P250	205.2	19.4	3.4	\$784.7	10	187.8	241.9	161.8	223.1	194.4	222.2
Jung	7610VT3	VT3P	P250	204.4	19.4	2.8	\$781.6	12	196.1	227.2	163.0	232.4	170.5	236.9
Dyna-Gro	D44SS49	SS	C250	204.3	18.6	4.6	\$787.8	9	215.5	220.3	169.5	210.3	180.7	229.5
NuTech	G2 5H-404^	HX,RR2	C250	203.8	19.0	1.8	\$782.6	11	178.7	214.0	169.3	224.6	206.4	230.0
AgriGold	A6323GT3	3000GT	C250	203.7	19.5	2.1	\$778.1	15	205.7	216.2	156.4	224.9	193.9	224.9
Cornelius	C428XTLLRR	HXT,RR2	C250	202.9	20.2	4.1	\$769.4	20	182.4	207.4	156.5	226.6	206.4	238.1
NuTech	G2 5X-905^	HXT,RR2	C250	202.8	19.2	1.3	\$777.1	17	190.0	223.3	165.8	218.2	181.4	237.9
Stone	5508GSS	SS	P250	202.5	19.0	3.1	\$777.6	16	193.0	218.3	154.6	226.2	189.7	233.2
Mycogen	2J597	SS	C250	201.9	20.3	1.2	\$764.8	23	199.0	209.9	175.9	214.4	196.1	216.1
AgriGold	A6276VT3	VT3	P250	200.4	18.9	3.0	\$770.3	19	196.1	215.5	163.0	214.6	179.0	233.9
Steyer	10302-3000GT*	3000GT	C250	199.8	18.3	2.7	\$772.8	18	205.9	212.3	169.5	211.2	190.0	209.6
Croplan	5237SS	SS	C250	199.8	19.1	2.0	\$766.4	21	194.6	205.2	162.0	209.0	200.3	227.4
Trelay	5VP688	VT3P	P250	198.9	17.0	7.6	\$779.7	14	205.1	219.2	166.3	211.8	171.7	219.1
Cornelius	C462	None	C250	198.9	19.0	2.3	\$763.8	24	215.2	203.9	151.4	214.6	181.5	226.8
Great Lakes	5211GS	SS	P250	198.1	19.0	2.5	\$760.7	25	205.3	218.2	138.3	214.6	183.1	229.0
Great Lakes	5416G3VT3	VT3	P250	196.9	18.5	3.7	\$760.0	26	196.1	208.5	154.4	212.3	181.1	229.1
OMG	4M62	None	None	196.8	18.8	3.4	\$757.3	28	217.2	184.6	149.4	211.3	181.6	236.8
Trelay	6VT154	VT3	P250	196.1	18.3	4.7	\$758.5	27	201.0	206.2	169.9	200.4	172.1	226.8
Jung	7520VT3	VT3	P250	196.0	18.4	5.6	\$757.3	29	173.1	216.2	170.6	197.7	187.8	230.6
Steyer	10401VT3*	VT3	P250	195.8	18.8	2.7	\$753.4	31	198.3	208.0	144.6	203.6	192.9	227.1
Garst	86J49-3000GT	3000GT	C500	195.5	18.2	9.5	\$757.0	30	211.2	198.8	156.7	208.5	173.7	223.9
NuTech	5N-705	3000GT	C250	199.2	19.0	1.8	\$764.9	22	175.7	225.5	152.3	212.3	196.3	232.9
<b>Test Average =</b>				<b>197.2</b>	<b>18.9</b>	<b>3.4</b>	<b>\$758.1</b>		<b>194.8</b>	<b>210.9</b>	<b>157.8</b>	<b>213.2</b>	<b>183.9</b>	<b>222.6</b>
LSD (0.10) =				10.6	0.7	2.9			16.6	17.6	14.5	16.2	16.3	14.3

excellent ear retention, though there were scattered cases of Goss's wilt present. Most of the hybrids pollinated the entire ear to the tip and had good kernel depth.

**Walnut** – This location got off to a great start, receiving ample rainfall for most of the early part

of the season. Rainfall was short during July, but most hybrids pollinated well in spite of the lack of precipitation. There were some diseases, such as anthracnose and Goss's wilt, that affected plant health later in the growing season. Any lodging scores that are present were due to stalk lodging.

Ear retention for most hybrids was really good—some almost too good. Ears were bouncing around the corn head after hitting the deck plates. Average yields were 183.9 bu. per acre for the ultra-early test but grew to over 200 bu. per acre for the early- and full-season tests.

Test Site Description (Early- and Full-Season Tests)						Test Average			Yield Check Comparison (Pioneer P0916XR)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Grand Ridge	silty clay loam	conventional	Corn, 2+ yr	232	4/20	35,600	9.7	200.7	188.8	186.5	2.3
Malta	silty clay loam	conventional	Corn, 2+ yr	200	4/21	34,150	3.0	211.9	219.8	214.3	5.5
Mazon	silty clay loam	conventional	Soybean	204	4/20	35,850	1.5	162.6	157.1	163.8	-6.7
Sublette	silty clay loam	conventional	Corn	170	4/19	35,100	1.5	223.0	206.8	206.2	0.6
Walnut	silt loam	strip-till	Soybean	147	4/21	35,350	2.4	208.2	217.1	212.0	5.1
Winnebago	silt loam	conventional	Soybean	203	4/22	35,650	1.2	227.8	240.9	242.7	-1.8

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

# Farmer's Independent Research of Seed Technologies

EARLY SEASON TEST 106 - 109 Day CRM

Top 30 of 81 tested

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Grand Ridge	Malta	Mazon	Sublette	Walnut	Winnebago
Dyna-Gro	57V40	VT3	P250	223.1	22.1	3.3	\$829.0	1	218.8	240.2	171.0	241.1	219.7	248.0
Heritage	4610VT3	VT3	P250	219.5	21.2	1.3	\$823.6	2	205.6	228.4	180.2	222.0	230.2	250.7
NuTech	3T-110	VT3	C250	218.5	21.2	6.1	\$819.8	3	200.4	226.7	168.7	235.3	226.1	254.0
Steyer	10903VT3P*	VT3P	P250	215.5	21.0	1.3	\$810.3	5	221.2	211.9	177.0	233.1	217.5	232.2
Great Lakes	5939G3VT3	VT3	P250	215.2	21.5	1.5	\$804.8	8	213.1	214.0	182.0	233.8	214.9	233.3
AgriGold	A6458VT3	VT3	P250	214.7	21.4	1.3	\$803.8	9	224.3	223.1	168.3	224.1	205.2	243.3
Jung	7681VT3	VT3	P250	214.6	20.7	2.3	\$809.5	6	192.4	231.7	171.8	234.8	217.2	239.4
LG Seeds	LG2549VT3	VT3	P250	214.3	21.3	2.0	\$803.2	10	205.5	228.2	167.5	228.3	213.8	242.2
Croplan	6125VT3	VT3	C250	214.0	20.0	4.4	\$813.2	4	196.7	212.3	175.1	241.3	222.0	236.5
NuTech	3T-810	VT3	C250	213.4	22.8	2.9	\$787.0	21	204.7	221.0	181.0	227.4	206.6	239.8
NuTech	G2 5X-411^	HXT,RR2	C250	213.3	21.6	2.0	\$796.9	15	208.2	217.5	176.6	234.9	211.1	231.7
Stine	9531VT3Pro	VT3P	P250	211.2	20.6	3.4	\$797.5	14	192.6	215.1	186.3	227.9	205.1	240.3
Garst	85E98-3000GT	3000GT	C500	211.2	20.9	1.8	\$795.0	16	208.9	220.2	158.8	221.3	237.4	220.5
NuTech	G2 5X-909^	HXT,RR2	C250	211.2	21.4	1.3	\$790.7	19	199.1	226.8	162.4	233.8	214.4	230.5
Great Lakes	5643VT3PRO	VT3P	P250	210.6	20.3	2.3	\$797.8	13	203.9	217.9	171.2	216.1	221.0	233.2
AgriGold	A6389VT3	VT3	P250	210.0	19.1	5.8	\$805.6	7	220.6	219.7	156.4	222.0	198.4	242.9
Beck	XL 5269HXR^*	HXT,RR2	P500	210.0	20.9	1.7	\$790.4	20	204.6	224.5	139.8	218.3	227.2	245.7
LG Seeds	LG2529VT3Pro	VT3P	P250	209.5	19.6	2.6	\$799.5	12	203.7	217.0	154.5	229.6	206.2	245.9
Trelay	6ST576	SS	P250	208.7	18.9	2.0	\$802.2	11	201.5	219.5	165.7	226.7	196.1	242.9
Heritage	4602VT3	VT3	P250	208.6	21.2	7.5	\$782.7	27	200.8	223.7	165.8	222.1	213.3	225.6
Golden Harvest	H-8577 3000GT	3000GT	C500	208.1	20.6	4.5	\$785.8	23	230.2	209.8	158.8	215.5	210.2	224.2
Dekalb	DKC57-50	VT3	P250	207.9	20.4	2.3	\$786.7	22	202.6	212.0	165.6	227.8	203.1	236.1
NuTech	G2 5X-908^	HXT,RR2	C250	207.9	21.6	1.2	\$776.7	30	187.7	228.1	172.7	221.2	211.5	226.3
Dekalb	DKC59-35	VT3	P250	207.0	20.5	2.1	\$782.5	28	192.2	218.8	167.5	220.8	208.5	234.1
Croplan	5415VT3P	VT3P	C250	206.7	18.9	3.6	\$794.6	17	187.4	232.5	166.8	223.5	201.1	229.0
Renk	RK744VT3	VT3	P250	206.7	19.0	6.9	\$793.7	18	194.9	217.6	149.6	220.9	209.9	247.3
Beck	XL 5377HR^*	HX,RR2	P500	206.4	20.1	2.1	\$783.5	25	195.3	210.8	142.4	237.6	216.8	235.3
Kruger	K-6408VT3	VT3	P250	206.1	19.9	5.1	\$784.0	24	207.7	202.8	176.5	219.4	196.0	234.1
Trelay	7VP164	VT3P	P250	205.6	19.8	3.9	\$782.9	26	196.3	231.2	145.8	226.5	198.4	235.5
Dyna-Gro	V4993VT3	VT3	P250	203.9	19.2	2.2	\$781.3	29	209.9	213.2	156.1	206.9	205.4	231.9
Pioneer	P0916XR CK	HX,RR2	P250	205.1	20.7	2.1	\$773.6	34	188.8	219.8	157.1	206.8	217.1	240.9
<b>Test Average =</b>				<b>201.3</b>	<b>20.3</b>	<b>3.5</b>	<b>\$762.1</b>		<b>193.9</b>	<b>208.7</b>	<b>158.2</b>	<b>217.0</b>	<b>203.5</b>	<b>226.4</b>
<b>LSD (0.10) =</b>				9.1	0.7	4.0			15.9	14.9	13.4	11.3	17.9	15.0

FULL SEASON TEST 110 - 113 Day CRM

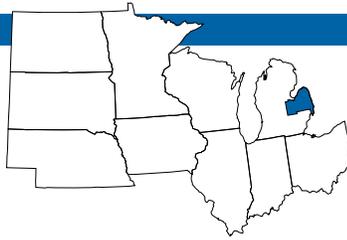
Top 30 of 72 tested

LG Seeds	LG2620VT3	VT3	P250	226.5	24.2	2.1	\$822.6	2	208.7	227.7	189.6	254.3	231.8	247.1
Beck	5442VT3	VT3	P500	224.9	22.8	4.2	\$829.4	1	218.8	234.9	170.1	258.6	220.1	246.8
Great Lakes	6354G3VT3	VT3	P250	222.2	24.2	2.1	\$807.0	6	226.5	238.6	179.9	251.5	216.3	220.2
Trelay	7T630	VT3	P250	221.6	23.2	2.1	\$813.7	4	219.6	237.7	179.7	236.3	211.9	244.1
Stine	9731VT3Pro	VT3P	P250	221.3	22.2	2.9	\$821.5	3	222.5	233.4	161.0	257.8	201.0	251.9
FS Seeds	FS61BX1	SS	P250	220.1	22.6	1.3	\$813.5	5	224.9	224.4	173.2	235.8	232.1	229.9
AgriGold	A6533VT3	VT3	P250	219.1	24.3	1.5	\$794.9	13	236.5	228.5	166.4	242.9	208.1	232.2
Wyffels	W6871	VT3	P250	219.0	23.0	5.1	\$805.9	7	214.7	237.0	180.5	234.6	206.2	240.7
Renk	RK880SSTX	SS	P250	218.5	23.1	3.0	\$803.2	9	230.6	232.8	178.4	230.9	210.2	227.8
Stone	6N52VT3	VT3	P250	218.5	23.2	1.3	\$802.3	11	226.6	213.7	172.4	238.0	211.3	248.8
Kruger	K-6010VT3	VT3	C250	217.2	22.5	1.8	\$803.6	8	219.7	233.8	177.6	236.6	199.8	235.6
Mycogen	2H735	RR2	C250	216.9	23.0	2.5	\$798.2	12	214.0	227.7	166.4	240.1	206.5	246.9
Great Lakes	6229G3VT3	VT3	P250	216.4	23.5	3.5	\$792.0	16	225.2	218.9	166.6	236.3	215.1	236.4
Channel	210-611VT3	VT3	P250	216.1	23.3	1.6	\$792.7	15	232.5	230.4	164.7	223.8	224.3	220.6
Channel	209-77VT3	VT3	P250	216.0	22.1	2.1	\$802.7	10	228.4	220.0	177.0	235.5	196.7	238.4
Merschman	Stine M-911C-10	VT3	P500	216.0	23.6	4.5	\$789.7	18	203.9	221.6	169.2	252.4	210.0	238.7
LG Seeds	LG2555VT3 GC	VT3	P250	214.4	23.2	3.6	\$787.3	20	220.4	221.7	167.6	231.4	197.3	247.7
Heritage	4642VT3	VT3	P250	214.3	23.0	1.8	\$788.6	19	233.6	217.0	179.6	232.8	203.7	219.1
AgriGold	A6476VT3	VT3	P250	213.8	22.4	2.2	\$791.9	17	198.8	219.8	178.8	237.0	216.9	231.2
AgriGold	A6458VT3	VT3	P250	213.6	23.1	1.7	\$785.2	21	230.6	208.5	171.5	226.0	208.7	236.2
NuTech	3T-713	VT3	C250	213.6	24.0	4.5	\$777.5	27	211.6	220.7	153.0	247.9	212.1	236.0
Dekalb	DKC61-69	VT3	P250	212.7	21.6	4.0	\$794.6	14	208.2	221.7	172.9	230.6	194.3	248.6
FS Seeds	FS63MMV4	VT3P	P250	212.3	23.0	2.9	\$781.3	22	222.8	217.1	179.1	222.8	207.3	224.6
Fielders Choice	NG6789 GC	VT3	P250	211.4	23.6	2.4	\$772.9	30	214.1	214.8	176.8	233.6	209.3	219.9
Steyer	11002-3000GT	3000GT	C250	211.3	22.9	2.3	\$778.4	24	205.1	222.3	163.0	236.3	206.1	235.0
Kruger	K-6411VT3	VT3	C250	210.6	22.5	1.5	\$779.2	23	229.5	201.5	176.3	227.8	209.5	219.1
NuTech	G2 5X-711^	HXT,RR2	C250	210.5	22.6	1.8	\$778.0	26	206.5	210.4	165.8	222.2	211.9	246.1
Kruger	K-1211RR	RR2	P250	209.0	21.9	6.6	\$778.3	25	193.9	210.0	161.0	221.9	211.2	255.7
Beck	XL 6077HR^*	HX,RR2	P500	209.0	22.1	1.3	\$776.6	28	205.1	225.5	174.3	234.0	192.6	222.2
Trelay	7VP745	VT3P	P250	207.7	21.6	5.5	\$776.0	29	214.6	205.9	168.5	217.9	214.0	225.3
Pioneer	P0916XR CK	HX,RR2	P250	204.3	22.0	1.3	\$760.0	50	186.5	214.3	163.8	206.2	212.0	242.7
<b>Test Average =</b>				<b>210.1</b>	<b>23.1</b>	<b>2.9</b>	<b>\$772.5</b>		<b>207.5</b>	<b>215.1</b>	<b>166.9</b>	<b>228.9</b>	<b>212.9</b>	<b>229.1</b>
<b>LSD (0.10) =</b>				10.5	1.0	3.5			16.7	17.1	13.4	15.8	17.5	18.3

Illinois North Corn Results LNO



Rich Schleuning, FIRST Manager



**Field Notes: Michigan Thumb**

**Stats:**

Yield Range: 94.1 to 238.2 bu. per acre  
 Yield Average: 170.2 bu. per acre  
 Top \$ Per Acre: \$998.10

**Peck** – This test site had ample early season rainfall, but contended with very hot and dry weather conditions throughout the middle of the summer. Fortunately we were able to catch a few late season rains to make this crop fairly high yielding. We did experience some stalk lodging which was present due to stalk rot. Ear fill was of good quality and the depth of the kernels were pleasing. Overall this was a great test plot this year with an average production yield of 212.5 bu. per acre. When we came to harvest on Oct 1st, Mark indicated that he had completed his harvest, his earliest harvest completion ever.

**Freeland** – Michigan weather here: from cool and wet, switching to hot and dry before turning to a nice moderate finish to the season. During our late May visit to take stand counts, the soil surface was beginning to turn green from moss growing in the very wet conditions. Corn plants had small shallow root masses due to the wet conditions. Plant health was good as most of the leaves were still intact at harvest. We observed good ear fill with a nice kernel set. This was a very nice

One of the benefits of hosting a F.I.R.S.T. testing location, getting to assess the performance of numerous seed products on your schedule. Leon Shoenrock checks out the New Richland, Minn. corn plot mid-season to screen products for features he desires in his farming operation.

plot to harvest with little to no lodging to speak of. Our average yield on this plot was 191.5 bu. per acre

**Henderson** – Rainfall totals from July through August here was only 1.4". The low rainfall combined with the hot temperatures of the same period made for a very stressful environment for these plants. Lodging scores reflect stalk lodging. Plants were cannibalizing stalks for energy to produce grain. Only 2 replications of results are presented as a hired man harvested the first replication by mistake. Total yield average on this test plot was 135 bu. per acre.

**Brown City** – Here at our Brown City test plot we had

an early start this spring (April 24th planting) and a record early harvest (September 30th). Warm dry conditions began well before planting here with one of the warmest and driest winters on record. We experienced dry conditions with minimal rain throughout the entire growing season. The lodging that occurred was due to some stalk rot and plant cannibalization in attempt to gain the energy needed for grain fill. Average yields here proved to produce 191.2 bu. per acre.

**Davison** – Our Davison test plot saw a reduction in final stand due to wet conditions followed by the soil crusting. The crop was standing nicely however at harvest, as



Photo courtesy of Mark Quema

# Farmer's Independent Research of Seed Technologies

ALL SEASON TEST 91 - 100 Day CRM

Top 30 of 54 tested

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Brown City	Davison*	Fairgrove	Freeland	Henderson*	Peck
NuTech	5H-700A	HX,RR2	C250	183.2	18.1	1.0	\$789.0	1	204.1	203.8	131.3	192.9	153.7	213.1
Hyland	HLCVR68	VT3	P250	182.5	18.5	2.1	\$783.8	2	205.5	206.0	113.0	207.6	140.8	222.3
NuTech	G2 5H-696^	HX,RR2	C250	182.2	18.6	2.5	\$782.0	3	202.8	190.1	133.0	182.6	161.5	223.0
Rupp	8XP58*	VT3	P250	181.4	18.4	1.9	\$779.7	4	202.4	202.7	114.6	210.2	131.7	226.5
Stine	9421RR	RR2	P250	180.9	18.3	5.6	\$778.1	5	185.0	183.6	136.1	209.8	148.1	222.8
Great Lakes	5090G3VT3	VT3	P250	180.5	18.4	4.9	\$775.8	7	180.3	175.3	122.6	203.2	177.0	224.4
Renk	RK565GTCBLLRW	3000GT	C250	179.7	18.4	8.5	\$772.4	8	215.5	149.5	120.1	205.3	167.5	220.3
NuTech	5B-290	GT/CB/LL	C250	179.6	17.5	3.7	\$776.8	6	199.7	168.0	116.8	203.3	158.3	231.7
NuTech	5N-197A	3000GT	C250	177.4	18.8	1.8	\$760.3	10	199.9	178.9	125.9	188.1	144.8	226.9
Channel	199-55VT3	VT3	P250	177.1	19.0	2.1	\$758.0	13	204.2	168.7	111.7	203.5	136.5	238.2
Channel	196-06VT3	VT3	P250	176.8	17.9	1.4	\$762.5	9	195.9	167.3	132.1	207.4	129.8	228.0
NuTech	5N-695	3000GT	C250	176.5	18.1	5.1	\$760.2	11	217.1	172.1	111.4	195.8	146.9	215.4
Hyland	HLB45R	YGCB,RR2	P250	176.3	18.6	1.3	\$756.7	15	216.3	174.6	111.5	207.3	140.0	208.2
Fielders Choice	NG6510	VT3	P250	176.1	18.4	1.8	\$756.9	14	209.2	171.8	119.6	197.4	136.8	221.9
Great Lakes	4840VT3PRO	VT3P	P250	175.9	17.9	2.5	\$758.7	12	189.3	196.9	121.7	193.5	138.3	215.5
Rupp	XR8052	VT3	P250	175.4	18.1	2.5	\$755.4	16	198.4	197.1	123.7	181.0	143.2	208.8
Heritage	8310GENSS GC	SS	P250	174.6	18.3	3.6	\$751.0	18	197.2	170.3	122.5	200.6	140.7	216.3
AgVenture	RL5412HB GC	HX,RR2	C250	174.1	17.4	1.3	\$753.5	17	189.4	182.1	140.8	157.4	159.3	215.3
NuTech	3T-401	VT3	C250	173.4	19.4	1.9	\$740.1	23	178.4	169.9	131.0	195.4	134.5	231.3
Hyland	HLCVR74	VT3	P250	172.6	18.2	1.4	\$742.9	21	200.5	172.5	107.4	203.5	140.7	210.9
Dairyland	ST9500Q	HXT,RR2	C250	172.5	19.1	2.0	\$737.8	24	190.4	181.5	120.9	178.0	150.0	214.4
Great Lakes	4481G3VT3	VT3	P250	172.4	17.7	2.3	\$744.6	19	196.4	191.1	109.9	199.6	124.0	213.2
NuTech	G2 5X-895^	HXT,RR2	C250	172.4	18.3	1.0	\$741.5	22	197.2	175.6	115.3	195.1	134.3	216.7
Great Lakes	4664G3VT3	VT3	P250	171.9	17.6	1.6	\$743.0	20	175.1	189.0	129.8	183.6	136.3	217.3
NuTech	5N-593	3000GT	C250	170.2	17.3	2.9	\$737.1	25	180.3	183.9	110.6	188.4	139.0	219.2
Fielders Choice	NG6420	VT3	P250	169.6	17.6	2.6	\$733.0	26	206.7	152.6	112.9	188.9	151.6	204.8
NuTech	G2 5H-897^	HX,RR2	C250	168.6	18.2	1.0	\$725.7	29	194.7	179.5	119.6	176.9	140.0	200.9
Renk	RK616VT3	VT3	P250	168.3	17.6	3.3	\$727.4	28	189.1	162.8	116.6	205.4	119.5	216.1
Hyland	HLCVR64	VT3	P250	168.1	17.3	1.8	\$728.0	27	188.4	174.5	112.9	202.9	108.8	220.8
Renk	RK434RR	RR2	P250	167.5	17.3	2.1	\$725.4	30	184.7	152.6	115.3	192.9	148.0	211.7
<b>Test Average =</b>				<b>170.2</b>	<b>18.0</b>	<b>2.5</b>	<b>\$733.5</b>		<b>191.2</b>	<b>174.5</b>	<b>116.3</b>	<b>191.5</b>	<b>135.0</b>	<b>212.5</b>
LSD (0.10) =				11.5	0.8	2.7			16.5	23.9	15.3	17.9	23.4	15.6

\* = rejected results, not included in summary

all the leaves were still intact. It was really quite nice to have dry grain at harvest compared to last years higher moisture grain. The front of this plot had the heaviest stand lost and as a result that replication was eliminated from the test.

**Fairgrove** – Dry best describes the situation here in Tuscola county. The driest winter on record continued right into the summer growing season and took the top-end yield potential off of this crop. With the dry July and August the crop cannibalized itself to pull energy which was then directed into filling its ears. The lodging scores you see here is stalk related and due to the dry weather conditions. There was some red streaking in the kernels due to stress. Average yields for this test site were 116.3 bu. per acre.

Test Site Description						Test Average		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)
Brown City	loam	conventional	Wheat/clover	181	4/24	31,500	2.1	191.2
Davison	loam	conventional	Soybean	127	4/30	30,000	1.0	174.5
Fairgrove	loamy sand	strip-till	Corn, 2+ yr	170	4/23	32,400	1.9	116.3
Freeland	sandy loam	no-till	Soybean	190	4/24	32,300	1.1	191.5
Henderson	sandy loam	conventional	Soybean	160	4/23	29,400	3.0	135.0
Peck	loamy sand	conventional	Sugarbeet	183	4/22	30,800	5.6	212.5

Michigan Thumb Corn Results MITH

# HOW 'BOUT WE JUST LET THE **NUMBERS** DO THE TALKING?

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WISCONSIN - MICHIGAN - N. ILLINOIS & N. OHIO 2010 HARVEST CORN RESULTS



BRAND	F.I.R.S.T. TRIAL LOCATION	YIELD RANK	YIELD (Bu/A)
<b>86J49</b> - 3000GT	Oregon, WI	2 out of 54	<b>246.2</b> <sup>1</sup> Early Season
<b>85E98</b> - 3000GT	Wainut, IL	1 out of 81	<b>237.4</b> <sup>1</sup> Early Season
<b>84Y14</b> - 3000GT	Watska, IL	2 out of 72	<b>236.8</b> <sup>1</sup> Full Season
<b>84Y14</b> - 3000GT	Rossville, IL	1 out of 72	<b>203.8</b> <sup>1</sup> Full Season



BRAND	F.I.R.S.T. TRIAL LOCATION	YIELD RANK	YIELD (Bu/A)
<b>H-8577</b> 3000GT	GRAND RIDGE, IL	1 out of 81	<b>230.2</b> <sup>1</sup> Early Season
<b>H-9138</b> 3000GT	TOWANDA, IL	4 out of 72	<b>212.0</b> <sup>1</sup> Full Season
<b>H-9138</b> 3000GT	TUCULA, IL	4 out of 72	<b>218.1</b> <sup>1</sup> Full Season
<b>H-8577</b> 3000GT	ROSSVILLE, IL	3 out of 72	<b>197.1</b> <sup>1</sup> Early Season

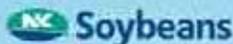
Check out our entire performance in the F.I.R.S.T trials featured in this publication



SYNGENTA TRIALS

BRAND	OUTPERFORMS:
<b>N74R</b> - 3000GT	Pioneer P1395XR by an avg of <b>16.1</b> bu/A in 30 locations <sup>2</sup>
<b>N63R</b> - 3000GT	Pioneer P0916XR by an avg of <b>12</b> bu/A in 17 locations <sup>2</sup>
<b>N68Y</b> 3000GT	Pioneer P1236XR by an avg of <b>11.3</b> bu/A in 19 locations <sup>2</sup>
<b>N61P</b> - 3000GT	Pioneer 35K04 by an avg of <b>10.1</b> bu/A in 30 locations <sup>2</sup>

WISCONSIN - MICHIGAN - N. ILLINOIS & N. OHIO 2010 HARVEST SOYBEAN RESULTS



BRAND	OUTPERFORMS:
<b>S25-F2</b> BRAND	All Competitors' products, averaging <b>63.4</b> bu/A in 43 locations <sup>3</sup>
<b>NK</b> SOYBEANS	All Competitors' products, averaging <b>62.1</b> bu/A in 274 locations <sup>3</sup>
	All Asgrow products, 64% of the time, averaging <b>55.1</b> bu/A in 211 locations <sup>4</sup>
	All Pioneer products, 77% of the time, averaging <b>54.7</b> bu/A in 111 locations <sup>4</sup>



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<sup>1</sup>F.I.R.S.T. trials. <sup>2</sup>NK head-to-head against Pioneer in Northern/Central IL. <sup>3</sup>2010 Syngenta Seeds Trials - Upper MW - 11/1/2010. <sup>4</sup>2010 Syngenta Seeds Trials - Great Lakes - 11/1/2010.



Rich Schleuning, FIRST Manager



## Field Notes: Michigan South

### Stats:

Yield Range: 93.6 to 262.6 bu. per acre

Yield Average: 182.4 bu. per acre

Top \$ Per Acre: \$1,126.30

**Decatur** – Ideal weather for this area helped out with this Decatur test site. Mike didn't even have a need to turn on the irrigation all season long! The crop was nice at harvest with light anthracnose and very little foliar disease present. There was some raccoon damage to select hybrids at the sweet corn stage. Yields for these products were removed from the results at this test location. This Van Buren county location was our highest yielding location in southern Michigan. Overall average yields were 224.0 bu. per acre with a low yield of 196.5 bu. ranging up to 262.6 bu/acre.

**Marshall** – Early planting, good soil moisture and high temperatures this season helped to make a very nice crop. Stalk quality was good with just a few signs of stalk rot. Little to no foliar diseases were observed at this test site. Good ear quality with good kernel depth and grain quality. All in all, this entire site performed very well. We averaged 207.9 bu. per acre with a range of 167.8 bu. per acre to 230.8 bu. per acre. The high area yields really slowed harvest for Jeff and Greg due to long lines at the elevator to deliver the crop.

**Riga** – Bill is a pioneer for no-till farming in Michigan. He has been

Recently roto-tilled alleys at this rolling site show the 45-foot plot length. Stand counts are typically taken at this corn growth stage.

100 percent no-till for years. Corn emergence was good considering the weather we had this year. The dry fall conditions made this crop very easy to harvest. Everything stood nicely with only some of the plant tops gone. In many ways, this was a great crop and test. The average yield production here was 201.5 bu. per acre.

**Reading** – This location received an abundance of rain. Some plot areas suffered yield reduction from water damage and/or intense late season foxtail pressure. This crop looked really good during a late May visit to conduct stand counts. The impact of excess water and uncontrolled grass was more than this crop

could overcome. The results are statistically invalid due to the widely variable yields, which ranged from 119.3 bu. per acre to 213.1 bu. per acre. The test results from this location have been rejected.

**Charlotte** – This test was planted into ideal conditions. Early rains provided good seedling establishment and a great start. Early season rains did cause some standing water. The middle to late summer delivered two weeks of very hot (90+ degrees) with hot night time temperatures. These hot conditions along with dry weather conditions created a high stress environment which hampered grain development



Photo courtesy of Rich Schleuning

# Farmer's Independent Research of Seed Technologies

ALL SEASON TEST 96 - 105 Day CRM

Top 30 of 60 tested

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Charlotte	Decatur	Marshall	Mason	Reading*	Riga
AgriGold	A6325VT3	VT3	P250	<b>207.5</b>	18.7	1.0	\$890.0	1	<b>153.0</b>	<b>262.6</b>	225.7	184.7	149.3	211.3
Rupp	XR8039	VT3	P250	<b>206.1</b>	18.6	1.4	\$884.6	2	139.7	<b>246.1</b>	221.6	<b>203.3</b>	195.5	<b>219.6</b>
Stine	9523VT3	VT3	P250	<b>200.5</b>	18.2	1.0	\$863.0	4	133.8	<b>250.9</b>	223.8	187.1	145.9	207.1
Channel	199-55VT3	VT3	P250	<b>199.8</b>	17.5	1.0	\$864.1	3	<b>152.7</b>	240.8	212.7	184.6	191.0	208.0
Channel	205-94VT3	VT3	P250	<b>199.4</b>	18.6	1.0	\$855.8	6	<b>157.8</b>	224.4	219.1	187.9	126.9	207.9
Renk	RK565GTCBLLRW	3000GT	C250	<b>199.3</b>	17.8	1.0	\$860.2	5	143.0	236.8	210.2	<b>205.0</b>	179.9	201.3
NuTech	3A-406	GT	C250	197.8	19.0	1.0	\$846.6	8	135.3	216.6	219.6	<b>205.7</b>	151.7	211.9
Stewart	5T555	VT3	P250	197.3	17.9	1.0	\$851.0	7	131.5	240.3	213.1	187.4	188.3	214.1
NuTech	5N-803	3000GT	C250	195.4	17.8	1.2	\$843.3	9	118.5	235.6	224.8	194.7	135.2	203.2
Dairyland	ST9703Q	HXT,RR2	C250	194.5	18.0	1.0	\$838.3	11	125.7	<b>253.9</b>	198.9	193.1	159.5	200.9
Stine	9417VT3	VT3	P250	192.9	16.7	1.0	\$838.9	10	129.0	235.5	221.3	181.4	162.7	197.3
Dekalb	DKC52-59 GC	VT3	P250	192.8	17.3	1.0	\$835.0	12	115.9	243.5	208.9	190.5	200.5	205.2
AgriGold	A6309STX	SS	P250	192.6	18.2	1.0	\$829.0	14	132.2	234.3	206.7	190.5	152.3	199.3
Rupp	8XP57*	VT3	P250	192.3	17.2	1.0	\$833.4	13	135.9	229.5	223.8	163.7	<b>212.9</b>	208.8
NuTech	G2 5H-005^	HX,RR2	C250	191.8	19.3	1.0	\$819.2	22	99.4	235.8	220.1	189.3	<b>213.1</b>	214.6
AgriGold	A6323GT3	3000GT	C250	191.4	18.9	1.0	\$819.8	21	103.6	242.1	217.9	177.7	191.3	215.5
Fielders Choice	NG6583	VT3	P250	191.2	18.1	1.0	\$823.5	17	107.0	228.2	203.3	<b>197.2</b>	176.0	<b>220.5</b>
AgriGold	A6276VT3	VT3	P250	190.8	18.2	1.0	\$821.2	18	117.6	215.6	215.7	185.0	166.2	<b>220.0</b>
NuTech	G2 5H-700^	HX,RR2	C250	190.7	16.9	1.0	\$828.2	15	134.9	235.4	201.7	181.6	165.8	199.7
Great Lakes	5211GS	SS	P250	190.2	17.9	1.0	\$820.3	19	113.0	237.5	<b>227.9</b>	171.8	161.1	200.6
Stewart	6T725	VT3	P250	190.2	19.0	1.0	\$814.1	26	124.9	209.6	222.7	182.7	176.6	211.1
Renk	RK580VT3	VT3	P250	190.1	16.8	1.0	\$826.2	16	129.6	235.9	189.9	189.7	155.5	205.3
NuTech	3T-401	VT3	C250	189.7	17.6	1.0	\$819.9	20	104.7	227.5	209.2	188.6	164.4	<b>218.7</b>
NuTech	5N-804	3000GT	C250	188.8	18.1	1.0	\$813.2	28	132.4	216.9	<b>230.8</b>	163.1	152.1	201.0
AgriGold	A6225VT3	VT3	P250	188.4	17.0	1.0	\$817.7	23	134.6	225.5	218.2	164.0	189.8	199.5
Channel	201-16VT3	VT3	P250	188.2	17.5	1.0	\$814.0	27	<b>144.9</b>	230.6	203.7	162.4	201.7	199.6
Dairyland	ST9799	VT3	C250	188.1	16.8	1.0	\$817.5	24	129.5	214.7	216.7	181.8	171.7	197.8
Channel	196-06VT3	VT3	P250	187.7	17.0	1.0	\$814.6	25	127.6	199.3	220.7	187.8	166.9	203.3
Great Lakes	541663VT3	VT3	P250	187.3	18.0	1.2	\$807.3	29	114.8	238.6	215.5	164.9	158.6	202.5
NuTech	G2 5H-404^	HX,RR2	C250	186.6	17.6	1.0	\$806.5	30	114.4	226.5	211.0	165.4	205.5	215.9
<b>Test Average =</b>				<b>185.6</b>	<b>17.7</b>	<b>1.0</b>	<b>\$801.8</b>		<b>120.2</b>	<b>224.0</b>	<b>207.9</b>	<b>175.4</b>	<b>165.5</b>	<b>201.5</b>
LSD (0.10) =				12.3	0.7	n.s.			23.2	21.5	18.1	21.0	45.8	16.9

\* = rejected results, not included in summary

and reduced the yield potential for this crop. There were little to no diseases observed at this test location. Average yields produced here were 120.2 bu. per acre with a low end yield of 93.6 ranging to a high yield of 157.8 bu. per acre.

**Mason** – This test location, planted on April 22nd, caught good and timely rains for this area. Stalk quality was good with only some of the tops broken off as the plants had reached full maturity. Lodging was not an issue here. We saw nice deep kernel set and dry moisture readings. Our Oct 19th harvest date was one of the earliest harvest dates and produced the driest grain ever at this location. There was no varmint damage at this location this year. Our average yield here was 175.4 bu. per acre.

Test Site Description						Test Average		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)
Charlotte	loam	no-till	Soybean	164	4/22	32,300	1.0	120.2
Decatur	sandy loam	conventional	Corn, 2+ yr	229	4/29	31,600	1.0	224.0
Marshall	loam	no-till	Soybean	144	4/22	33,400	1.0	207.9
Mason	loam	no-till	Soybean	160	4/22	33,700	1.0	175.4
Reading	sandy loam	conventional	Soybean	179	4/21	33,300	1.0	165.5
Riga	loam	no-till	Hay	125	4/22	33,000	1.1	201.5

## Season Overview



Photo courtesy of Mark Querna

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.

*continued from page 7*

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 above-average rainfall. "Southern Iowa 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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# Farmer's Independent Research of Seed Technologies

EARLY SEASON TEST 103 - 108 Day CRM

Top 30 of 42 tested

**INNO**  
 Indiana North Corn Results

Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	La Crosse	Marion**	New Paris**	Roanoke	Wolcott*	Woodburn
Dekalb	DKC57-50 GC	VT3	P250	235.7	18.4	1.6	\$1,072.0	1	286.1	<b>273.8</b>	<b>235.2</b>	141.8	<b>205.7</b>	241.8
Beck	XL 5269HXR^*	HXT,RR2	P500	234.2	18.5	1.8	\$1,064.4	2	280.6	262.2	218.5	160.1	170.9	<b>249.6</b>
Ebberts	2909VT3*	VT3	P250	233.7	19.6	1.9	\$1,054.5	4	275.4	<b>278.2</b>	219.7	169.7	186.9	<b>255.5</b>
Channel	208-72VT3	VT3	P250	233.2	20.3	1.0	\$1,047.3	8	<b>295.2</b>	<b>272.8</b>	164.9	181.2	186.3	<b>251.8</b>
Specialty	2882GENSS	SS	P250	231.3	17.1	2.2	\$1,061.0	3	272.5	<b>276.9</b>	211.5	164.5	182.8	231.2
Stine	9531VT3Pro	VT3P	P250	231.3	18.9	1.4	\$1,048.5	6	282.1	253.1	202.4	177.0	166.5	<b>242.1</b>
Specialty	4939VT3	VT3	P250	230.8	18.1	1.8	\$1,051.8	5	281.6	248.5	<b>226.7</b>	151.2	172.2	<b>245.8</b>
Stewart	5T555	VT3	P250	228.3	17.0	1.9	\$1,047.9	7	277.5	254.3	<b>220.4</b>	163.4	189.3	225.9
Heritage	8390GENSS	SS	P250	226.7	17.5	2.6	\$1,037.2	9	288.7	248.6	179.5	179.5	193.5	237.4
Heritage	4395VT3	VT3	P250	225.6	18.0	1.6	\$1,028.7	16	286.0	230.9	216.4	162.8	176.1	231.7
LG Seeds	LG2527VT3	VT3	P250	225.5	17.3	2.5	\$1,033.0	10	278.9	261.3	198.2	153.6	171.8	235.6
Golden Harvest	H-8211 3000GT	3000GT	C500	225.1	17.6	1.2	\$1,029.2	15	278.6	266.8	165.2	173.8	168.2	241.2
Dekalb	DKC57-66 GC	VT3	P250	224.3	16.6	2.5	\$1,032.2	12	279.8	242.8	212.2	151.7	169.7	235.1
LG Seeds	LG2529VT3Pro	VT3P	P250	224.2	16.5	1.0	\$1,032.4	11	285.8	238.3	208.2	143.7	182.1	<b>244.8</b>
Great Lakes	5416G3VT3	VT3	P250	223.9	16.4	2.3	\$1,031.7	13	271.5	236.3	206.8	160.7	185.4	244.0
AgriGold	A6384VT3Pro	VT3P	P250	223.9	16.6	1.2	\$1,030.4	14	<b>290.1</b>	221.6	216.0	152.5	190.3	239.5
Beck	XL 5354HXR^	HXT,RR2	P500	223.4	18.5	1.4	\$1,015.4	17	276.6	238.0	214.0	154.4	162.2	233.8
LG Seeds	LG2548VT3	VT3	P250	222.6	20.1	1.0	\$1,001.0	26	250.9	261.7	187.0	184.0	144.3	229.4
Golden Harvest	H-8577 3000GT	3000GT	C500	222.1	18.2	1.9	\$1,011.4	19	<b>291.8</b>	228.0	190.7	158.7	176.3	241.5
Stine	9528VT3Pro	VT3P	P250	221.9	20.6	1.2	\$994.6	27	273.3	214.3	213.6	163.9	177.3	244.5
Beck	XL 4817HXR^*	HXT,RR2	P500	221.7	18.6	1.2	\$1,007.0	22	265.3	250.1	178.9	<b>193.2</b>	153.6	221.1
AgriGold	A6323GT3	3000GT	C250	221.2	17.8	1.3	\$1,010.0	20	276.7	239.7	180.0	186.9	164.2	222.6
Stewart	6T725	VT3	P250	221.1	18.0	1.4	\$1,008.2	21	266.7	243.6	218.8	146.6	157.2	229.8
Great Lakes	5783G3VT3	VT3	P250	220.3	18.5	1.7	\$1,001.3	25	271.4	247.9	174.0	173.8	160.1	234.5
LG Seeds	LG2510STX	SS	P250	218.6	17.3	2.1	\$1,001.4	24	271.8	246.6	198.3	163.1	183.3	213.1
Beck	XL 5377HR^*	HX,RR2	P500	218.1	18.9	1.0	\$988.6	28	269.6	216.9	211.6	163.2	191.0	229.4
Channel	201-16VT3	VT3	P250	217.5	16.2	2.0	\$1,003.5	23	242.0	264.1	197.0	147.0	185.5	237.5
Ebberts	7357VT3*	VT3	P250	215.6	17.3	2.2	\$987.7	29	256.1	233.3	198.6	168.0	134.2	222.0
Garst	86M39-3000GT	3000GT	C500	214.4	17.7	3.9	\$979.6	30	264.4	236.3	186.4	156.9	190.3	227.9
Great Lakes	5643VT3PRO	VT3P	P250	213.4	17.1	1.0	\$978.9	31	277.3	244.2	169.5	145.8	170.7	230.2
Dekalb	DKC59-35 CK	VT3	P250	224.5	19.6	1.0	\$1,012.9	18	286.7	254.4	194.3	144.9	176.2	242.0
<b>Test Average =</b>				<b>219.3</b>	<b>18.3</b>	<b>1.7</b>	<b>\$997.9</b>		<b>272.1</b>	<b>241.9</b>	<b>190.2</b>	<b>161.6</b>	<b>172.0</b>	<b>230.9</b>
LSD (0.10) =				16.6	1.4	n.s.			17.4	29.4	30.1	28.6	26.3	13.7

FULL SEASON TEST 109 - 112 Day CRM

Top 30 of 42 tested

Specialty	4970VT3	VT3	P250	<b>236.6</b>	20.9	1.4	\$1,058.3	1	288.7	257.0	212.3	186.5	149.4	238.6
Specialty	4958VT3	VT3	P250	<b>233.5</b>	20.2	1.0	\$1,049.3	2	291.9	264.9	197.7	170.9	<b>205.8</b>	<b>242.1</b>
AgriGold	A6533VT3	VT3	P250	232.4	21.3	1.2	\$1,036.7	3	286.7	<b>277.8</b>	188.8	182.4	154.0	226.4
Beck	5442VT3	VT3	P500	230.3	20.2	1.7	\$1,035.0	4	276.3	<b>279.9</b>	183.7	170.0	156.3	<b>241.6</b>
Heritage	4602VT3	VT3	P250	228.3	20.0	1.4	\$1,027.4	7	293.6	266.7	179.3	170.5	181.3	231.5
Garst	85E98-3000GT	3000GT	C500	227.9	19.4	1.2	\$1,029.7	6	<b>299.6</b>	244.7	182.8	188.9	133.9	223.7
Channel	209-77VT3	VT3	P250	227.7	18.6	2.2	\$1,034.2	5	290.6	245.9	211.7	162.1	173.2	228.4
Stine	9728VT3Pro	VT3P	P250	227.5	21.6	1.2	\$1,012.8	14	274.1	255.0	203.6	169.0	172.2	236.0
Specialty	4969VT3	VT3	P250	227.3	20.2	1.2	\$1,021.5	11	286.5	249.1	<b>220.1</b>	159.7	172.9	221.3
Stewart	7T630	VT3	P250	227.0	20.4	1.8	\$1,018.8	12	290.2	256.6	181.2	181.3	171.5	225.9
AgriGold	A6476VT3	VT3	P250	226.7	19.7	1.2	\$1,022.2	10	273.6	254.3	192.2	189.3	166.3	224.0
Steyer	11002-3000GT	3000GT	C250	226.5	20.8	1.0	\$1,013.8	13	284.8	267.5	187.4	172.8	142.2	220.2
Steyer	10901VT3P	VT3P	P250	226.2	19.2	1.6	\$1,023.3	8	270.9	276.0	181.5	166.8	180.7	235.6
Fielders Choice	NG6789 GC	VT3	P250	225.2	21.4	2.1	\$1,003.9	18	283.6	255.7	191.8	176.7	123.0	218.3
Stewart	7W828	VT3P	P250	224.8	20.3	1.1	\$1,009.6	15	286.8	247.1	193.7	167.8	143.2	228.8
Ebberts	2711QUAD*	3000GT	P250	224.8	20.6	1.0	\$1,007.6	17	289.1	250.6	194.8	160.8	132.1	228.5
AgriGold	A6458VT3	VT3	P250	224.1	17.8	1.6	\$1,023.2	9	282.8	237.2	197.1	177.3	146.4	225.9
Garst	84J30-3000GT	3000GT	C500	223.2	22.1	1.0	\$990.3	19	282.9	252.5	180.9	189.0	134.6	210.9
Great Lakes	5939G3VT3	VT3	P250	221.3	18.2	1.6	\$1,007.8	16	262.9	224.2	200.9	<b>192.7</b>	158.7	225.9
Heritage	4620VT3	VT3	P250	220.9	21.2	1.0	\$986.1	21	253.4	246.7	203.3	189.6	148.3	211.5
Beck	5716A3	3000GT	P500	220.5	20.7	1.0	\$987.6	20	286.1	221.1	195.9	183.9	167.5	215.6
Heritage	4610VT3	VT3	P250	218.0	20.2	2.4	\$979.7	24	263.5	249.6	172.8	178.9	147.4	225.2
Great Lakes	6229G3VT3	VT3	P250	217.6	20.0	1.2	\$979.2	25	294.9	242.1	186.2	157.7	124.9	207.3
Stine	9731VT3Pro	VT3P	P250	216.9	19.3	1.2	\$980.6	22	293.7	208.3	174.5	165.6	175.3	<b>242.2</b>
Channel	210-61VT3	VT3	P250	216.4	20.3	1.6	\$971.9	28	277.3	239.9	180.7	158.1	173.4	225.8
Steyer	10902GT*	GT	C250	216.1	19.5	1.8	\$975.7	26	263.1	245.9	182.1	162.0	169.4	227.5
LG Seeds	LG2616VT3	VT3	P250	215.2	19.8	1.6	\$969.7	29	275.8	223.3	170.1	174.4	159.2	232.5
Beck	XL 6077HR^*	HX,RR2	P500	214.2	19.9	1.2	\$964.5	30	260.0	225.9	177.1	186.6	155.6	221.6
Channel	209-19VT3	VT3	P250	213.7	18.3	2.9	\$972.5	27	257.1	235.5	196.3	158.4	184.7	221.3
Ebberts	7642VT3P	VT3P	P250	212.8	19.0	2.7	\$964.0	31	267.6	220.3	195.3	158.5	162.3	222.4
Dekalb	DKC59-35 CK	VT3	P250	216.4	19.0	1.0	\$980.3	23	276.6	222.4	195.0	167.6	164.3	220.3
<b>Test Average =</b>				<b>219.7</b>	<b>20.0</b>	<b>1.5</b>	<b>\$988.6</b>		<b>276.6</b>	<b>240.6</b>	<b>186.7</b>	<b>171.7</b>	<b>157.7</b>	<b>223.1</b>
LSD (0.10) =				13.4	1.4	0.9			22.3	35.8	26.5	20.6	37.5	17.1

\*\* = 2 replications, early test only at Marion; # = rejected results, not included in summary; § = lost data, estimated value



Rich Schleuning, FIRST Manager



## Field Notes: Indiana North

### Stats:

Yield Range: 104.6 to 299.6 bu. per acre

Yield Average: 210.4 bu. per acre

Top \$ Per Acre: \$1289.80

**New Paris** – Heavy rain and ponding after planting reduced stand in some areas of the field. In June and July, storms with high winds caused significant green snap in some area fields. Despite a hot August, the crop produced excellent yield and quality grain. One replication was eliminated due to water pooling and poor stand.

**La Crosse** – This site produced better yields than expected, considering the extremely wet May and June and hot and dry July and August. Stalk quality was starting to deteriorate, as the scores indicate. Pheromone traps indicated high populations of western bean cutworm moths, but no signs of damage were present in the test plot.

**Wolcott** – Early planting and rapid corn development are the only reasons plants in this test survived the standing water associated with heavy rains. Variable plant

height and nitrogen deficiency were quite apparent in multiple areas of the test. The test results were rejected due to unacceptable variability from these growing conditions.

**Marion** – Early planting helped this crop survive the standing water caused by the heavy spring rains. High heat and dry conditions were prevalent throughout the middle of the season. Stalk quality was deteriorating because the crops were putting all their effort into filling the ears. Yields were good for this area. Local growers indicate that corn yields are running 30 bu. per acre less than those observed last year. Head shelling was an issue due to dry grain moisture. The yield results here are statistically valid but are highly variable due to the standing water and soil complications through the season.

**Woodburn** – This location made it through the heavy rains in

May and part of June followed by the extreme heat of July and August to still produce a nice yield. All of the products had reached their full maturity, as the crop was standing well and with good kernel depth. The higher final stand in some varieties was due to small seed size at planting. Yield averages for this test plot were 230.9 bu. per acre and 223.1 bu. per acre for the early- and full-season tests, respectively.

**Roanoke** – This test was planted late due to wet conditions in the area. The good heat and moisture got this crop off to a good start, but the high heat in July and August did reduce top-end yield. The crop was standing well despite having stalk rot present. The high water table here prevented the crop condition from being worse than it was. Yields here were 161.6 bu. per acre and 171.7 bu. per acre for the early- and full-season tests, respectively.

Test Site Description						Test Average			Yield Check Comparison (Dekalb DKC59-35)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
La Crosse	sandy loam	conventional	Soybean	195	4/29	32,500	2.2	274.4	286.7	276.6	10.1
Marion	silt loam	minimum	Soybean	185	4/20	33,505	1.8	241.3	254.4	222.4	32.0
New Paris	loam	strip-till	Soybean	125	4/30	26,400	1.0	188.5	194.3	195.0	-0.7
Roanoke	silty clay loam	conventional	Soybean	185	5/29	31,000	1.0	166.7	144.9	167.6	-22.7
Wolcott	clay loam	minimum	Soybean	143	4/20	33,600	1.1	164.9	176.2	164.3	11.9
Woodburn	silty clay	conventional	Soybean	238	4/21	36,000	2.1	227.0	242.0	220.3	21.7

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

# Farmer's Independent Research of Seed Technologies

EARLY SEASON TEST 103 - 108 Day CRM

Top 30 of 45 tested

OHNW Ohio Northwest Corn Results

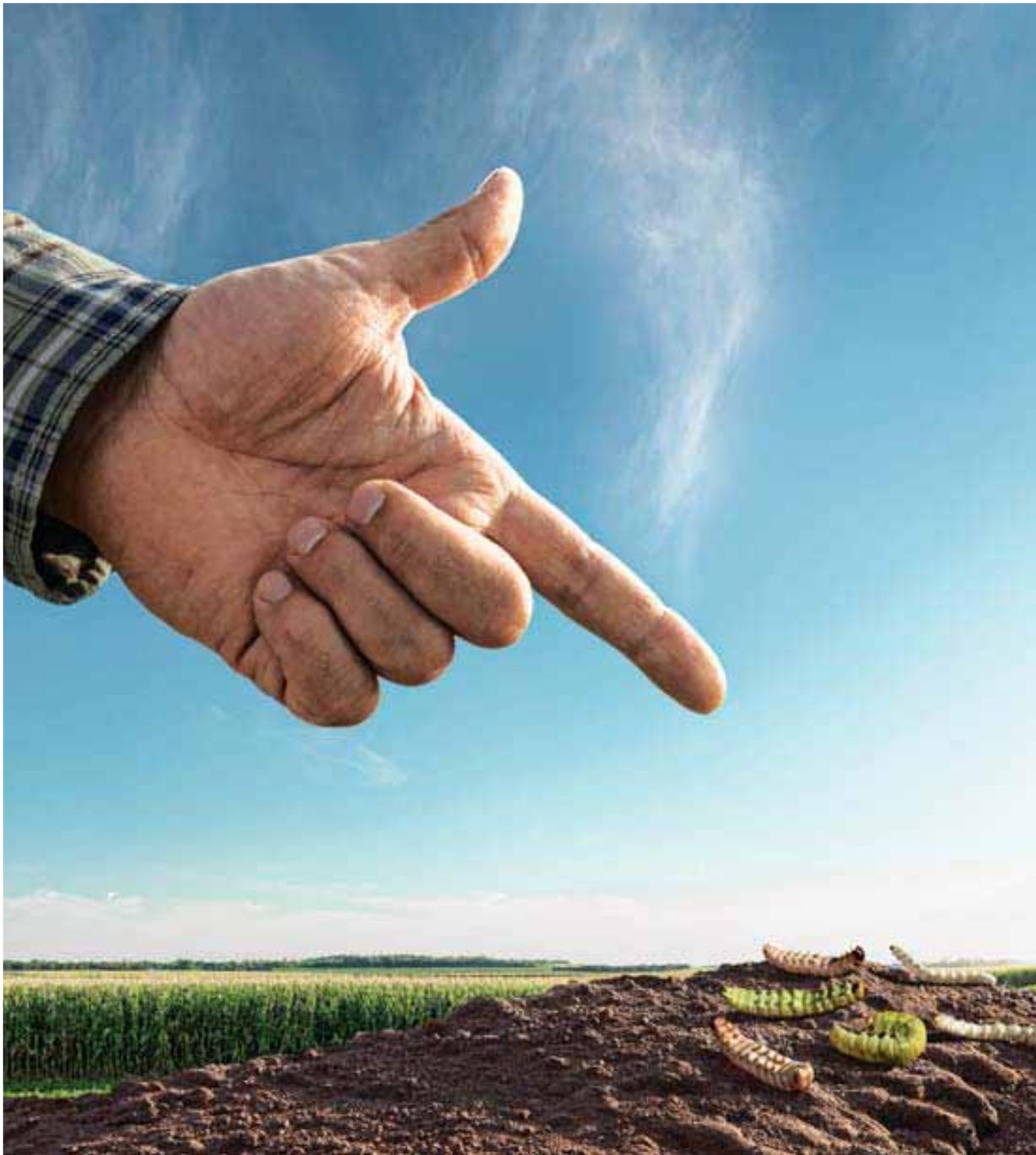
Company	Brand	Technology	Insecticide Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Bloomdale	Defiance <sup>#</sup>	Fayette	Leipscic	McComb	Tiffin
Mycogen	2P612 GC	VT3	C250	167.8	13.2	1.0	\$747.4	1	170.6	124.3	167.6	194.2	145.4	161.0
NuTech	3T-110	VT3	C250	161.0	13.8	1.0	\$714.2	2	153.3	130.4	178.6	173.0	130.9	169.3
Ebberts	2909VT3*	VT3	P250	160.2	13.7	1.0	\$711.1	3	140.9	116.9	175.9	174.0	137.5	172.9
Steyer	10701VT3P	VT3P	C250	159.2	13.4	1.0	\$708.1	4	143.9	114.8	164.5	172.3	124.8	190.6
Rupp	XR8407	VT3	C250	158.4	13.4	1.0	\$704.6	5	157.8	116.8	161.9	177.9	126.1	168.4
Dekalb	DKC55-09 GC	SS	P250	157.7	13.2	1.2	\$702.4	6	151.3	101.1	162.1	170.3	136.3	168.6
Bo-Jac	9294	HXT	C250	156.7	13.6	1.2	\$696.1	10	148.3§	102.5	155.8	166.3	135.4	177.6
LG Seeds	LG2529VT3Pro	VT3P	P250	156.6	13.2	1.0	\$697.5	9	148.9	101.8	154.3	169.4	129.8	180.8
Specialty	2882GENSS	SS	P250	156.3	12.8	1.0	\$698.0	8	140.5	110.3	167.6	168.8	125.9	178.8
NuTech	G2 5H-007^	HX,RR2	C250	155.6	13.3	1.0	\$692.6	11	150.3	112.5	165.4	168.4	124.2	169.5
NuTech	G2 5X-909^	HXT,RR2	C250	155.5	13.8	1.0	\$689.8	14	151.7	113.9	155.9	172.6	124.0	173.3
FS Seeds	FS59SX1 GC	SS	P250	155.2	13.2	1.0	\$691.3	12	141.7	115.1	159.3	164.2	129.5	181.3
Stine	9531VT3Pro	VT3P	P250	155.1	13.6	1.0	\$689.0	15	148.4	122.6	162.2	171.1	128.4	165.3
Channel	208-72VT3	VT3	P250	155.0	13.6	2.8	\$688.5	16	149.8	128.8	160.2	170.6	128.4	166.2
Stewart	5T555	VT3	P250	154.7	12.9	1.0	\$690.4	13	151.2	117.1	159.3	163.2	132.5	167.2
LG Seeds	LG2510STX	SS	P250	154.1	13.0	1.0	\$687.3	17	146.1	116.8	166.9	168.7	131.7	157.1
NuTech	5N-705A	3000GT	C250	154.1	13.2	1.0	\$686.4	18	142.3	111.9	159.4	174.3	129.4	165.2
Fielders Choice	NG6676	VT3	P250	154.1	13.6	1.0	\$684.5	20	153.5	99.7	161.5	167.9	127.7	160.1
Dairyland	ST9309Q	HXT,RR2	C250	153.7	14.1	1.0	\$680.4	21	153.7	119.1	156.7	158.3	132.2	167.8
Channel	201-16VT3	VT3	P250	153.6	13.1	1.2	\$684.6	19	150.8	107.8	164.3	164.6	129.0	159.5
NuTech	G2 5H-608^	HX,RR2	C250	153.0	13.6	1.0	\$679.6	23	142.7	110.1	163.6	162.6	127.4	168.8
Beck	XL 5269HXR^*	HXT,RR2	P500	152.7	13.6	1.0	\$678.3	28	133.5	114.1	166.0	170.8	129.8	163.2
Fielders Choice	NG6686	VT3	P250	152.6	13.2	1.0	\$679.7	22	142.9	111.5	158.8	170.4	119.0	172.1
Stewart	6T725	VT3	P250	152.6	13.3	1.0	\$679.2	24	142.1	102.5	156.6	170.1	126.7	167.6
NuTech	5N-803	3000GT	C250	152.6	13.3	2.6	\$679.2	26	153.9	121.7	169.9	168.1	137.1	134.1
NuTech	G2 5X-007^	HXT,RR2	C250	152.5	13.2	1.0	\$679.2	25	141.9	117.7	155.8	165.2	132.2	167.6
Steyer	10401VT3*	VT3	P250	152.4	13.2	1.0	\$678.8	27	141.3	106.3	162.7	165.7	122.8	169.4
Fielders Choice	NG6723	VT3	P250	152.1	13.8	1.0	\$674.7	29	140.2	115.0	165.7	167.1	121.4	166.1
NuTech	5X-209	HXT,RR2	C250	151.4	13.5	1.0	\$673.0	30	137.7	121.1	161.3	170.4	125.3	162.3
Specialty	4939VT3	VT3	P250	151.4	13.5	1.0	\$673.0	31	138.7	115.0	157.4	170.3	129.2	161.5
Dekalb	DKC59-35 CK	VT3	P250	157.8	14.0	1.0	\$699.1	7	139.9	115.0	175.6	183.0	130.9	159.4
<b>Test Average =</b>				<b>153.6</b>	<b>13.5</b>	<b>1.1</b>	<b>\$682.8</b>		<b>144.4</b>	<b>113.4</b>	<b>161.1</b>	<b>168.5</b>	<b>128.1</b>	<b>165.8</b>
LSD (0.10) =				6.9	0.5	n.s.			11.2	18.5	12.2	11.0	10.2	22.1

FULL SEASON TEST 109 - 112 Day CRM

Top 30 of 30 tested

Stewart	7T765	VT3	P250	165.1	14.3	1.0	\$729.9	1	157.5	122.6	178.8	188.9	137.3	162.9
Channel	210-61VT3	VT3	P250	164.0	14.5	1.0	\$724.1	2	143.8	115.2	184.6	171.9	136.7	183.1
LG Seeds	LG2549VT3	VT3	P250	161.8	14.3	1.0	\$715.3	3	147.3	100.1	185.0	171.6	135.6	169.4
Stewart	7T630	VT3	P250	161.4	14.3	1.0	\$713.5	4	141.3	107.8	182.5	168.6	139.8	174.8
Great Lakes	6229G3VT3	VT3	P250	160.2	14.5	1.0	\$707.3	7	147.6	115.1	162.5	175.8	142.6	172.5
Beck	5442VT3	VT3	P500	160.1	14.2	1.0	\$708.3	6	146.3	109.2	163.2	169.5	143.0	178.3
Specialty	4958VT3	VT3	P250	160.0	14.0	1.0	\$708.8	5	148.9	112.4	167.6	177.3	132.9	173.2
Steyer	11002-3000GT	3000GT	C250	159.9	14.5	1.0	\$706.0	8	154.0	105.5	166.6	165.3	138.7	175.1
Rupp	XR8500	VT3	P250	159.3	14.3	1.0	\$704.3	9	145.3	117.0	174.1	165.1	135.4	176.5
Channel	209-19VT3	VT3	P250	158.6	13.9	1.2	\$703.1	10	138.9	113.0	175.0	174.1	149.8	155.1
Specialty	4970VT3	VT3	P250	157.9	14.9	1.5	\$695.2	14	160.2	104.8	171.3	168.0	138.6	151.5
Ebberts	2711QUAD*	3000GT	P250	157.8	14.6	1.0	\$696.2	13	150.4	100.7	151.6	169.4	151.4	166.0
LG Seeds	LG2555VT3	VT3	P250	157.5	14.1	1.2	\$697.3	12	144.0	120.6	159.2	168.4	141.0	174.9
Stine	9731VT3Pro	VT3P	P250	157.2	14.3	1.0	\$695.0	15	152.3	133.0	159.7	167.9	140.0	166.1
Dairyland	ST9410	VT3	C250	157.0	14.3	1.0	\$694.1	16	138.5	109.7	170.4	174.2	140.2	161.9
Beck	6179VT3	VT3	P500	156.7	14.8	1.2	\$690.4	18	141.5	113.9	165.3	174.0	138.4	164.2
Bo-Jac	9459	3000GT	C250	156.4	14.3	1.0	\$691.4	17	149.8	120.5	160.5	160.1	143.0	168.4
Stewart	7T945	VT3	P250	156.4	14.7	1.2	\$689.6	20	144.1	116.8	159.6	168.8	137.3	172.0
Beck	XL 6077HR^*	HX,RR2	P500	156.3	14.6	1.0	\$689.6	19	141.8	104.0	179.9	165.4	132.4	161.9
Ebberts	7642VT3P	VT3P	P250	156.0	14.7	1.5	\$687.8	21	158.9	104.3	167.3	168.8	141.0	143.9
Steyer	10903VT3P	VT3P	P250	155.1	14.0	1.0	\$687.1	22	139.4	121.9	163.0	159.1	141.7	172.2
Ebberts	7501RR*	RR2	P250	154.2	14.7	1.0	\$679.9	25	145.0	121.2	161.1	166.9	133.7	164.1
Dairyland	ST9710SSX	SS	C250	153.8	14.3	1.0	\$679.9	24	144.7	116.5	161.5	170.1	127.5	165.2
Great Lakes	5939G3VT3	VT3	P250	153.5	13.9	1.5	\$680.5	23	137.0	113.7	174.7	171.7	134.7	149.4
Stewart	7V828	VT3P	P250	153.1	14.5	1.0	\$675.9	26	136.4	115.0	174.2	165.9	127.2	161.7
Beck	5716A3	3000GT	P500	151.2	14.5	1.4	\$667.5	27	141.4	106.7	141.7	171.6	137.4	164.1
Stine	9728VT3Pro	VT3P	P250	151.0	14.8	1.0	\$665.3	28	147.3	110.1	142.9	175.5	129.0	160.5
Specialty	4969VT3	VT3	P250	150.2	14.2	1.4	\$664.5	29	137.5	101.1	155.3	163.5	139.1	155.5
LG Seeds	LG2616VT3	VT3	P250	149.5	14.5	1.0	\$660.0	30	132.9	108.0	158.8	165.8	127.3	162.9
Dekalb	DKC59-35 CK	VT3	P250	159.0	14.3	1.2	\$702.9	11	134.5	118.7	174.8	181.9	133.0	170.7
<b>Test Average =</b>				<b>157.0</b>	<b>14.4</b>	<b>1.1</b>	<b>\$693.7</b>		<b>145.0</b>	<b>112.6</b>	<b>166.4</b>	<b>170.2</b>	<b>137.5</b>	<b>165.9</b>
LSD (0.10) =				8.2	0.4	n.s.			12.5	15.5	15.0	10.2	9.1	17.5

# = rejected results, not included in summary § = lost data, estimated value



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Rich Schleuning, FIRST Manager



## Field Notes: Ohio Northwest

### Stats:

Yield Range: 99.7 to 194.2 bu. per acre  
 Yield Average: 148.3 bu. per acre  
 Top \$ Per Acre: \$860.20

**Bloomdale** – This test is best described as one extreme to another. An overabundance of spring rains delayed planting until May 26. The conditions then turned hot and dry through pollination, reducing top-end yield potential. Harvest was nice, as crop was standing erect. The stalk quality was beginning to deteriorate when the combine rolled through. Final yield results here were consistent in both the early- and full-season tests with an average of 144.4 bu. per acre in the early-season test and of 145 bu. per acre in the full-season test.

**McComb** – After planting, this location got an excessive amount of precipitation, which reduced emergence and final stand. Mark Bryan said that if we could have picked up some rain in July this plot would have been very good. During pollination here we were experiencing drought conditions. Plants were short with small ears. All of this affected our final yield average,

leaving us with only 128.1 bu. per acre in the early test and 137.5 bu. per acre for the full-season test.

**Leipsic** – Great weather conditions were experienced here after planting with very nice temperatures. The crop got off to a good start with ample rain to help it get ahead of the hot and dry weather that would come in late July and continue through August. Stalk quality here was pretty good, with just a little bit of light lodging. This site showed yields ranging from 155.7 bu. per acre to 194.2 bu. per acre for an average of 168.5 bu. per acre in the early test and 170.2 bu. per acre for the full-season test.

**Defiance** – This crop suffered from an excessive amount of water nearly all season long. Starting with emergence all the way through ten-leaf stage and again at ear set, this test had ponding issues that inconsistently reduced yield and delayed maturity. Data for this test has been rejected, as water stress

instead of genetics dictated product yield outcome.

**Fayette** – This location showed very nice yields considering the weather conditions this year. Diseases present included leaf rust, stalk rot and leaf blights, which were all present at harvest. Randy Carothers said that the plot looked good considering the late dry conditions. The average yield here was 161.1 bu. per acre for the early-season test and 166.4 bu. per acre for the full-season test.

**Tiffin** – This test location had ideal conditions for seeding establishment. Rains continued to provide good conditions in June. Pollination was hampered by July weather patterns, and severe August storms flattened products (twisted stalks) in several plots, increasing yield variability. Average plot yield was virtually the same for the early- and full-season tests with 165.8 bu. per acre in the early season and 165.9 bu. per acre for the full-season test.

Test Site Description						Test Average			Yield Check Comparison (Dekalb DKC59-35)		
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	Stand (per A)	Lodging (%)	Yield (Bu/A)	Early Test	Full Test	*Difference
Bloomdale	clay loam	minimum	Wheat	175	5/26	30,900	1.0	144.7	139.9	134.5	5.4
Defiance	clay	conventional	Soybean	192	5/10	24,050	1.0	113.0	115.0	118.7	-3.7
Fayette	loamy sand	minimum	Soybean	177	5/6	27,250	1.1	163.8	175.6	174.8	0.8
Leipsic	clay loam	minimum	Wheat	190	4/22	31,487	1.0	169.4	183.0	181.9	1.1
McComb	clay loam	conventional	Wheat	170	5/6	26,550	1.0	132.8	130.9	133.0	-2.1
Tiffin	sandy clay loam	conventional	Soybean	207	5/10	30,250	1.5	165.9	159.4	170.7	-11.3

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



Jason Beyers, FIRST Manager

**Stats:**

Yield Range: 52.5 to 86.3 bu. per acre  
 Yield Average: 71.7 bu. per acre  
 Top \$ Per Acre: \$863.00

## Farmer's Independent Research of Seed Technologies

### Field Notes: Wisconsin South

**Arlington** – This test plot received excellent rainfall all season. Plants stood well and harvested easily. No disease was evident at harvest. Plants ranged from 28" to 40" tall. Some varieties had a thin stand due to cool temperatures following planting. Yields averaged of 72.5 bu. per acre.

**Lancaster** – All of the varieties were very tall with some measuring up to 52". This caused heavy lodging. Stems were

green on most varieties and were large in diameter. Internodes were as much as 8" long. Plenty of rain fell during the growing season which helped produce yields averaging 73.7 bu. per acre.

**Spring Green** – This location produced the easiest cutting beans. Irrigation was never turned on due to record rainfall. There was no disease present. This plot produced nice, uniform and high yields (76.8 bu. per acre average).

**Watertown** – There was no evidence of any disease pressure. Some varieties experienced germination issues due to cold weather following planting (May 5). All varieties stood excellently with heights ranging from 24" to 42". Ample rain fell most of the season, which helped this non-irrigated sandy field. Yields averaged 63.9 bu. per acre.

#### Test Site Description

Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.
Arlington	silt loam	no-till	15	5/4	129,900	low
Lancaster	silt loam	conventional	15	5/4	132,700	low
Spring Green	sandy loam	conventional	15	5/4	122,100	low
Watertown	sandy loam	conventional	15	5/5	126,000	low

#### 1.8 - 2.5 Maturity Group

Top 30 of 35 tested

Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Arlington	Lancaster	Spring Green	Watertown
Kruger	K2-2301	RR2Y	2.3	S	AC	78.7	11.5	9.9	\$787.0	77.9	80.8	85.5	70.6
Dairyland	DSR-2011RR*	RR	2.0	S	CM	78.2	11.6	10.8	\$782.0	78.2	78.7	82.8	72.9
FS Seeds	HS24A01	RR2Y	2.4	S	AC	76.7	11.5	9.9	\$767.0	75.2	82.4	78.1	71.0
Renk	RS241R2	RR2Y	2.4	S	AC	76.4	11.6	9.8	\$764.0	73.4	86.3	78.1	67.8
FS Seeds	HS24R91	RR	2.4	S	CM	76.0	11.7	14.3	\$760.0	72.6	75.5	82.4	73.5
Dairyland	DSR-2560RR	RR	2.5	S	CM	75.9	11.4	14.3	\$759.0	73.9	75.3	80.5	73.8
Asgrow	AG2330	RR2Y	2.3	R	AC	74.6	11.7	15.5	\$746.0	72.3	83.0	79.4	63.6
Titan Pro	23M9 GC	RR2Y	2.3	S	CM	74.1	11.6	11.2	\$741.0	69.9	75.5	79.3	71.8
FS Seeds	HS21A02	RR2Y	2.1	R	AC	73.7	11.5	11.9	\$737.0	79.4	76.2	77.8	61.5
Titan Pro	25M20	RR2Y	2.5	R	CM	72.8	11.7	15.5	\$728.0	70.2	70.6	82.4	68.0
Dyna-Gro	V25N9RR	RR	2.5	R	CM	72.6	11.3	8.8	\$726.0	70.8	72.4	76.4	70.7
Kruger	K2-2703	RR2Y	2.7	R	AC	72.5	12.8	18.7	\$725.0	71.6	74.3	75.1	69.1
Kruger	K2X24A1	RR2Y	2.3	R	AC	72.3	11.7	14.4	\$723.0	74.6	79.5	75.0	59.9
Jung	1225RR2	RR2Y	2.2	R	AC	72.2	11.4	6.6	\$722.0	77.1	80.7	76.4	54.7
Jung	1201RR2	RR2Y	2.0	R	AC	72.2	11.5	14.4	\$722.0	77.7	71.8	76.2	63.2
Kruger	K2-2502	RR2Y	2.5	R	AC	72.0	12.1	14.9	\$720.0	74.3	68.3	81.4	64.1
Channel	2500R2	RR2Y	2.5	R	AC	71.8	11.7	11.9	\$718.0	71.4	71.7	80.3	63.8
FS Seeds	HS23A02	RR2Y	2.3	R	AC	71.7	11.8	18.2	\$717.0	67.8	72.5	82.3	64.3
Titan Pro	20M70	RR2Y	2.0	S	CM	71.7	11.9	19.6	\$717.0	74.0	69.3	78.3	65.1
Kruger	K2-1902	RR2Y	1.9	R	AC	71.6	11.6	10.8	\$716.0	72.0	76.9	76.1	61.2
Jung	1234RR2	RR2Y	2.3	R	AC	71.1	11.8	19.6	\$711.0	73.8	72.4	75.8	62.3
Jung	1248RR2 GC	RR2Y	2.4	R	AC	70.8	11.7	10.8	\$708.0	72.8	79.9	74.3	56.0
Dyna-Gro	33RY23	RR2Y	2.3	R	AC	70.3	11.7	17.3	\$703.0	72.6	69.2	74.8	64.6
Asgrow	AG2130	RR2Y	2.1	S	AC	70.2	11.6	13.0	\$702.0	76.2	72.5	75.8	56.2
Dairyland	DSR-2132R2Y	RR2Y	2.1	S	CM	69.8	11.6	8.6	\$698.0	70.6	66.3	75.2	67.2
FS Seeds	HS2166	RR	2.1	R	CM	69.8	11.3	14.4	\$698.0	67.3	71.3	75.6	65.0
Kruger	K2-1901	RR2Y	1.9	R	AC	69.5	11.4	9.9	\$695.0	71.8	69.8	70.9	65.3
Titan Pro	20M1 GC	RR2Y	2.0	R	CM	69.1	11.6	10.8	\$691.0	71.2	76.6	72.8	55.6
FS Seeds	HS25A02	RR2Y	2.5	R	AC	69.0	11.5	10.8	\$690.0	68.8	74.5	73.4	59.4
Kruger	K2-2001	RR2Y	2.0	R	AC	68.7	11.5	7.2	\$687.0	72.6	70.8	73.0	58.3
<b>Site Averages =</b>			<b>71.7</b>			<b>11.6</b>	<b>12.7</b>		<b>\$717.5</b>	<b>72.5</b>	<b>73.7</b>	<b>76.8</b>	<b>63.9</b>
LSD (0.10) =			4.6			0.4	8.0			5.5	8.6	5.2	8.0

Wisconsin South Soybean Results WISO



Jason Beyers, FIRST Manager

### Farmer's Independent Research of Seed Technologies

#### Field Notes: North Central State Line

**Stats:**

Yield Range: 32.8 to 91.2 bu. per acre  
 Yield Average: 66.2 bu. per acre  
 Top \$ Per Acre: \$912.00

**Miles** – This location was constantly saturated with water. Several varieties did not adapt well to season-long wet feet. A number of pods did not fill on some varieties and all were relatively short. Lodging was consistent while yields varied from 32.8 to 66.7 bu. per acre for an average of 47.5 bu. per acre.

**Winnebago** – Final stands were low due to poor germination. After planting, these soybeans experienced a week of

cold weather. Despite low populations, plants compensated well. The field around the plot yielded 71 bu. per acre.

**Warren** – This was a high-yielding location. The field has been in continuous corn for several years. All the beans were standing excellently with plants as tall as 48". This location received close to record amounts of rain, but the soils were well drained. Lodging was minimal and the average yield was 78.6 bu. per acre.

**Darien** – Planting date really impacted the final stands at this location. This field was planted on May 5 and suffered cool weather shortly after, which hurt a majority of the varieties. Plants compensated well to produce yields averaging 68.6 bu. per acre. There was no evidence of disease pressure and all plants were standing perfectly.

#### Test Site Description

Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.
Darien	silt loam	conventional	15	5/5	122,200	medium
Miles	clay loam	conventional	15	5/6	107,200	low
Warren	silt loam	conventional	15	5/4	137,400	low
Winnebago	silt loam	no-till	15	5/5	105,200	low

#### 2.1 - 2.8 Maturity Group

#### Top 30 of 45 tested

Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Darien	Miles	Warren	Winnebago
FS Seeds	HS24R91	RR	2.4	S	CM	75.4	11.0	1.0	\$754.0	76.5	64.8	87.0	73.3
Dairyland	DSR-2560RR	RR	2.5	S	CM	74.0	11.0	1.0	\$740.0	72.6	65.0	84.8	73.6
Dyna-Gro	V278RR	RR	2.7	S	CM	71.1	10.6	1.0	\$711.0	62.2	66.7	83.3	72.3
Prairie Brand	PB-2558NRR	RR	2.5	R	T6	69.8	11.0	1.0	\$698.0	77.0	53.1	83.5	65.4
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CM	69.1	11.4	1.0	\$691.0	73.2	41.1	91.2	70.8
Prairie Brand	PB-2110R2	RR2Y	2.1	S	CM	68.8	11.4	1.0	\$688.0	68.9	53.2	80.3	72.8
FS Seeds	HS27A02	RR2Y	2.7	R	AC	68.5	10.7	1.0	\$685.0	64.5	54.9	83.3	71.4
Kruger	K2X24A1	RR2Y	2.3	R	AC	67.8	11.1	1.0	\$678.0	69.4	47.0	79.5	75.2
Dyna-Gro	V25N9RR	RR	2.5	R	CM	67.7	11.1	1.0	\$677.0	73.4	51.2	76.4	69.6
Kruger	K2-2301	RR2Y	2.3	S	AC	67.6	11.4	1.0	\$676.0	71.2	41.8	86.5	70.7
Kruger	K2-2703	RR2Y	2.7	R	AC	67.6	10.8	1.0	\$676.0	69.6	46.4	83.7	70.7
Stone	2R2501 GC	RR2Y	2.5	R	AC	67.0	11.2	1.0	\$670.0	71.6	44.1	79.4	72.8
Kruger	K2-2803	RR2Y	2.8	R	AC	66.9	10.9	1.0	\$669.0	65.8	50.3	80.2	71.3
Titan Pro	26M20	RR2Y	2.6	R		66.8	11.4	1.0	\$668.0	69.0	46.1	78.3	73.9
Asgrow	AG2130	RR2Y	2.1	S	AC	66.6	11.1	1.0	\$666.0	75.4	40.4	81.5	69.0
Channel	2500R2	RR2Y	2.5	R	AC	66.6	11.5	1.0	\$666.0	68.7	45.1	84.1	68.6
Prairie Brand	PB-2142R2	RR2Y	2.0	R	CM	66.4	11.1	1.0	\$664.0	70.8	43.1	81.6	69.9
Asgrow	AG2830	RR2Y	2.8	R	AC	66.4	10.8	1.0	\$664.0	67.7	48.1	75.6	74.2
FS Seeds	HS24A01	RR2Y	2.4	S	AC	66.3	11.1	1.0	\$663.0	71.0	45.9	80.9	67.3
Kruger	K2-2802	RR2Y	2.8	R	AC	66.3	10.9	1.0	\$663.0	72.7	38.7	83.1	70.8
Stone	2R2701 GC	RR2Y	2.7	R	AC	66.2	10.9	1.0	\$662.0	69.3	49.8	75.2	70.5
Beck	XL 244NR^ GC	RR	2.4	R	ES	66.0	11.4	1.0	\$660.0	66.1	44.8	79.2	74.0
Asgrow	AG2330	RR2Y	2.3	R	AC	65.9	11.1	1.0	\$659.0	73.5	45.9	78.8	65.5
Dairyland	DSR-2727R2Y	RR2Y	2.7	S	CM	65.8	11.0	1.0	\$658.0	65.0	56.2	75.5	66.4
FS Seeds	HS21A02	RR2Y	2.1	R	AC	65.8	11.4	1.0	\$658.0	69.3	45.9	75.5	72.6
Renk	RS271NR2	RR2Y	2.7	MR	AC	65.8	10.9	1.0	\$658.0	62.7	55.7	78.1	66.7
Kruger	K2-2502	RR2Y	2.5	R	AC	65.6	11.3	1.0	\$656.0	73.1	37.2	82.5	69.4
FS Seeds	HS25A02	RR2Y	2.5	R	AC	65.6	10.8	1.0	\$656.0	65.5	46.0	74.6	76.1
Jung	1234RR2	RR2Y	2.3	R	AC	65.5	11.2	1.0	\$655.0	67.9	48.5	75.5	70.0
Renk	RS261NR2	RR2Y	2.6	R	AC	65.5	11.0	1.0	\$655.0	70.4	50.7	73.7	67.1
<b>Site Averages =</b>						<b>66.2</b>	<b>11.1</b>	<b>1.0</b>	<b>\$661.8</b>	<b>68.6</b>	<b>47.5</b>	<b>78.6</b>	<b>69.9</b>
LSD (0.10) =						5.4	0.3	n.s.		4.6	5.9	7.8	4.4



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Jason Beyers, FIRST Manager

## Farmer's Independent Research of Seed Technologies

### Field Notes: Illinois North

**Grand Ridge** – This plot got off to a great start and received ample rain mid-season. July and late August were dry. There was evidence of sudden death syndrome (SDS) in the surrounding field, but it was hard to find in the plot. Plants ranged from 30" to 42" tall. The average yield was 61.4 bu. per acre.

**Walnut** – Almost all of the varieties here still had green stems and some leaves at harvest. Some had severe lodg-

ing. The plants had very large stems and extremely long internodes, but several had three bean pods per node. Plants ranged from 28" to 62" tall. Overall, this was a very nice plot with good yields averaging 71.1 bu. per acre.

**Scarboro** – Plants ranged from 25" to 44" tall. There was some SDS present. It is worth noting that this plot of soybeans was following Cyst Tech soybeans. Seed size was medium to large, and almost all pods had at least three seeds. Yields averaged 66.9 bu. per acre.

**Lanark** – Due to late-season flooding, this test plot was lost. An adjacent creek came out of its bank and covered the entire plot area. Harvest was attempted but stopped. Almost all varieties were lying on the ground, covered with dirt.

**Stats:**

Yield Range: 50.2 to 78.6 bu. per acre

Yield Average: 66.5 bu. per acre

Top \$ Per Acre: \$786.00

**Test Site Description**

Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.
Grand Ridge	silty clay loam	conventional	15	5/10	135,500	medium
Lanark	silt loam	conventional	15	5/6	Site lost to flooding	
Scarboro	silt loam	minimum	15	5/19	143,000	medium
Walnut	silt loam	no-till	15	5/10	91,900	medium

**2.4 - 3.1 Maturity Group**

Top 30 of 54 tested

Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Grand Ridge	Lanark	Scarboro	Walnut
Jung	1275RR2	RR2Y	2.7	R	AC	72.1	11.1	14.1	\$721.0	61.9		<b>78.6</b>	75.8
Diener	2621CR2	RR2Y	2.6	R	AC	72.1	10.8	14.3	\$721.0	63.8		<b>78.3</b>	74.2
Diener	2812CR2	RR2Y	2.8	R	AC	70.6	10.9	11.9	\$706.0	<b>67.0</b>		<b>75.3</b>	69.4
Steyer	2701R2*	RR2Y	2.7	R	AC	70.6	10.6	14.3	\$706.0	<b>68.5</b>		68.5	74.9
Kruger	K2-2803	RR2Y	2.8	R	AC	70.2	11.1	9.0	\$702.0	<b>66.7</b>		70.2	73.7
FS Seeds	HS27A02	RR2Y	2.7	R	AC	70.2	10.6	14.1	\$702.0	<b>71.6</b>		65.9	73.1
Stone	2R2701	RR2Y	2.7	R	AC	69.4	10.7	11.9	\$694.0	<b>67.4</b>		71.0	69.9
Asgrow	AG3030	RR2Y	3.0	R	AC	69.4	11.0	14.1	\$694.0	61.7		69.6	<b>76.9</b>
FS Seeds	HS29R80	RR	2.9	R	CM	69.3	11.0	18.7	\$693.0	60.6		71.6	75.6
Kruger	K2-2703	RR2Y	2.7	R	AC	69.3	10.6	19.6	\$693.0	63.7		70.4	73.9
Diener	2712CR2	RR2Y	2.7	R	AC	69.2	11.0	15.6	\$692.0	61.8		74.3	71.5
Dairyland	DSR-2560RR	RR	2.5	S	CM	69.1	10.9	15.6	\$691.0	62.0		73.9	71.5
Kruger	K2-2802	RR2Y	2.8	R	AC	68.8	10.8	11.7	\$688.0	60.5		69.3	<b>76.6</b>
Beck	XL Ex6013NR^	RR	3.0	R	ES	68.8	11.2	15.6	\$688.0	66.0		69.6	70.7
Dairyland	DSR-2929RR	RR	2.9	R	CM	68.6	10.9	15.6	\$686.0	62.0		72.5	71.4
Dyna-Gro	38RY28	RR2Y	2.8	R	AC	68.5	10.9	11.4	\$685.0	66.3		69.0	70.1
Channel	2800R2	RR2Y	2.8	R	AC	68.2	11.3	12.9	\$682.0	66.2		69.1	69.4
Steyer	2801R2	RR2Y	2.8	R	CM	68.1	11.2	9.2	\$681.0	63.3		69.0	71.9
FS Seeds	HS24A01	RR2Y	2.4	S	AC	68.0	11.1	11.7	\$680.0	55.0		<b>75.0</b>	73.9
Asgrow	AG2830	RR2Y	2.8	R	AC	68.0	10.6	17.0	\$680.0	61.1		69.3	73.7
Beck	XL 242NR^*	RR	2.4	R	ES	67.9	10.4	16.0	\$679.0	57.4		<b>75.9</b>	70.3
FS Seeds	HS28A02	RR2Y	2.8	R	AC	67.8	10.9	12.9	\$678.0	<b>68.9</b>		69.0	65.5
Kruger	K2-2902	RR2Y	2.9	R	AC	67.7	10.9	17.7	\$677.0	<b>66.6</b>		68.5	68.0
Steyer	2501R2*	RR2Y	2.5	R	AC	67.3	11.0	12.2	\$673.0	61.2		65.4	75.3
Beck	XL Ex6002NR^	RR	3.1	R	ES	67.1	10.9	10.2	\$671.0	63.0		67.4	70.8
Channel	2902R2	RR2Y	2.9	R	AC	67.0	10.6	9.2	\$670.0	59.1		67.0	75.0
Beck	XL 244NR^*	RR	2.4	R	ES	66.8	10.8	11.1	\$668.0	61.9		70.6	68.0
Channel	2903R2	RR2Y	2.9	R	AC	66.8	10.9	11.4	\$668.0	63.5		62.2	74.8
Asgrow	AG3130	RR2Y	3.1	MR	AC	66.6	11.3	20.6	\$666.0	61.2		63.7	74.8
Kruger	K2-2502	RR2Y	2.5	R	AC	66.5	11.0	16.0	\$665.0	59.6		63.4	<b>76.4</b>
<b>Site Averages =</b>			<b>66.5</b>	<b>10.9</b>	<b>14.2</b>	<b>\$664.8</b>	<b>61.4</b>					<b>66.9</b>	<b>71.1</b>
LSD (0.10) =			5.7	0.6	7.3		5.1					7.7	5.0

Location lost to flooding



Rich Schleuning, FIRST Manager

**Stats:**

Yield Range: 53.2 to 88.4 bu. per acre  
 Yield Average: 73.1 bu. per acre  
 Top \$ Per Acre: \$961.60

## Farmer's Independent Research of Seed Technologies

### Field Notes: Indiana North

**New Paris** – Healthy rains fell through August. All varieties were standing nicely with nodes close together. Plant heights varied from 22" to 42". There was no lodging with all plants upright, making for a very easy harvest. This site was harvested early to accommodate field mature application. This early harvest did cause some variation in grain moisture, as some of the replications were slightly more mature than others.

**Marion** – This test got off to a great start. Plant height was moderate and stood well. Timely rains in late July and August delivered solid yields (75.2 bu. per acre average). No disease issues were evident but sudden death syndrome (SDS) was reported in the area.

**La Crosse** – There was a lot of forage to thresh due to plant heights up to 55" tall. Though tall, there was no issue with lodging. Some varieties still had green leaves and light green stems at harvest. There was also no evidence of disease.

**Wolcott** – Plant heights ranged from 42" to 48" and had a wide node set. All varieties were standing straight with no lodging reported. This farm caught nice rains in late July and August, which helped fill out the pods with good bean size.

#### Test Site Description

Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.
La Crosse	sandy loam	conventional	15	5/11	176,000	medium
Marion	silt loam	minimum	30	5/11	174,700	low
New Paris	loam	minimum	15	5/29	153,200	medium
Wolcott	clay loam	conventional	15	5/9	159,700	low

#### 2.9 - 3.6 Maturity Group

Top 30 of 42 tested

Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	La Crosse	Marion	New Paris	Wolcott
Ebberts	2300RR2*	RR2Y	3.0	r	AC	78.3	9.9	0.5	\$845.6	<b>82.9</b>	77.4	67.5	85.5
Channel	2903R2	RR2Y	2.9	r	AC	78.0	10.1	0.5	\$842.4	<b>85.6</b>	72.1	67.3	<b>86.8</b>
Steyer	3001R2	RR2Y	3.0	r	CM	77.8	10.1	0.5	\$840.2	80.0	80.6	67.2	83.2
Beck	XL Ex6013NR^	RR	3.0	r	ES	77.4	9.9	0.5	\$835.9	74.6	<b>83.0</b>	63.6	<b>88.4</b>
Steyer	2801R2*	RR2Y	2.8	r	CM	77.4	10.5	0.5	\$835.9	81.6	79.7	65.4	82.8
Ebberts	2341RR2*	RR2Y	3.4	r	AC	76.8	10.9	0.5	\$829.4	80.0	80.5	59.9	<b>86.9</b>
Channel	3502R2	RR2Y	3.5	r	AC	76.6	9.6	0.5	\$827.3	78.3	72.6	<b>71.9</b>	83.6
Diener	3012CR2	RR2Y	3.0	r	AC	75.2	10.3	0.5	\$812.2	<b>82.5</b>	69.6	68.6	80.2
Ebberts	2350RR2*	RR2Y	3.5	r	AC	74.8	11.1	0.5	\$807.8	77.8	75.2	63.7	82.3
LG Seeds	C3001R2	RR2Y	3.0	r	AC	74.7	9.8	0.5	\$806.8	79.1	72.7	63.3	83.8
Beck	XL 299NR^	RR	2.9	r	ES	74.7	10.2	0.5	\$806.8	80.4	74.7	63.7	80.0
Stewart	3677R2	RR2Y	3.6	r	AC	74.7	12.2	0.5	\$806.8	73.0	79.0	63.0	83.8
Stewart	3000R2	RR2Y	3.0	r	AC	74.6	9.9	0.5	\$805.7	80.0	74.6	62.8	80.9
Stewart	3300R2	RR2Y	3.3	r	AC	74.4	10.7	0.5	\$803.5	73.1	75.5	<b>71.8</b>	77.0
Beck	XL 325NR^	RR	3.4	r	ES	74.3	10.5	0.5	\$802.4	76.4	77.6	61.0	82.3
Stewart	3400R2	RR2Y	3.4	r	AC	74.2	10.8	0.5	\$801.4	74.4	75.0	62.7	84.6
Steyer	2803R2*	RR2Y	2.8	r	CM	74.2	9.8	0.5	\$801.4	71.3	74.8	65.8	<b>84.7</b>
Ebberts	2291RR2*	RR2Y	2.9	r	AC	74.1	10.0	0.5	\$800.3	71.5	81.4	65.7	77.8
Beck	XL 362NR^	RR	3.6	r	ES	74.1	11.6	0.5	\$800.3	73.1	81.4	59.4	82.4
Diener	2941CR2	RR2Y	2.9	r	AC	74.0	9.6	0.5	\$799.2	80.9	72.2	66.1	76.9
Beck	XL 322NR^	RR	3.2	r	ES	74.0	10.1	0.5	\$799.2	77.1	74.5	60.8	83.4
Stewart	3600R2	RR2Y	3.6	r	AC	73.9	11.8	0.5	\$798.1	73.3	74.2	62.5	<b>85.6</b>
Beck	XL 357NR^	RR	3.5	r	ES	73.8	12.0	0.5	\$797.0	71.4	<b>82.4</b>	62.2	79.3
Stewart	3177R2	RR2Y	3.1	r	AC	73.6	10.5	0.5	\$794.9	69.2	<b>81.9</b>	63.8	79.3
Channel	3000R2	RR2Y	3.0	r	AC	73.4	10.1	0.5	\$792.7	81.3	76.7	67.7	67.8
Ebberts	2371RR2*	RR2Y	3.7	r	AC	73.2	14.4	0.5	\$790.6	77.0	<b>81.9</b>	61.5	72.5
Channel	3404R2	RR2Y	3.4	r	AC	72.2	10.8	0.5	\$779.8	71.0	77.7	62.7	77.3
Diener	3311CR2	RR2Y	3.2	mr	AC	71.9	10.2	0.5	\$776.5	79.6	75.7	53.8	78.6
Channel	3303R2	RR2Y	3.3	r	AC	71.5	10.6	0.5	\$772.2	81.8	65.8	64.8	73.4
Beck	XL 294NR^	RR	2.9	r	ES	71.3	10.2	0.5	\$770.0	71.0	69.1	59.3	<b>85.7</b>
<b>Site Averages =</b>						<b>73.2</b>	<b>10.7</b>	<b>0.5</b>	<b>\$790.1</b>	<b>75.8</b>	<b>75.2</b>	<b>63.0</b>	<b>78.5</b>
LSD (0.10) =						6.0	2.3	n.s		6.4	6.6	6.5	6.2

Indiana North Soybean Results **INNO**



Rich Schleuning, FIRST Manager

**Stats:**

Yield Range: 34.9 to 52.6 bu. per acre

Yield Average: 40.8 bu. per acre

Top \$ Per Acre: \$570.70

## Farmer's Independent Research of Seed Technologies

### Field Notes: Ohio Northwest

**Leipsic** – This site experienced adverse weather conditions. The first half of the season was abnormally wet and then turned to dry at pod fill. Bean size was small with most beans the size of BBs. Plant height ranged from 22" to 34" tall. There was an abundance of crop residue with low-yielding beans averaging only 40.5 bu. per acre.

**Dunkirk** – Heavy rains in May delayed planting until the mid-June.

Despite dry August conditions, plants reached 34". Jerry McBride was able to plant some beans in April surrounding the plot area that averaged 58 bu. per acre while this test plot only averaged 38.1 bu. per acre.

**McComb** – Rainfall was ample until August, but the dry, hot weather resulted in an abundance of vegetation, good pod set, and very small beans. Conditions hampered top-end yield.

**Bloomdale** – The dry and warm conditions in August took the top end of this crop. Bean size was small due to lack of moisture. Plants were healthy all season and stood nicely at harvest, so lodging was not an issue. The yield at this test site ranged between 37.0 bu. per acre and 50.9 bu. per acre for an average of 41.3 bu. per acre.

#### Test Site Description

Site	Soil Texture	Tillage	Spacing	Planting Date	Stand	SCN Pop.
Bloomdale	clay loam	no-till	30	6/14	107,600	n/a
Dunkirk	sandy clay loam	no-till	30	6/15	107,800	n/a
Leipsic	sandy loam	no-till	30	6/15	107,600	n/a
McComb	clay loam	no-till	30	6/14	106,100	n/a

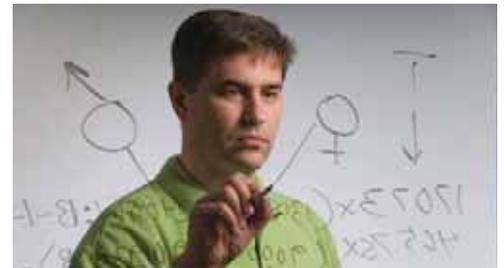
#### 2.9 - 3.6 Maturity Group

#### Top 30 of 36 tested

Company	Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Bloomdale	Dunkirk	Leipsic	McComb
Steyer	3402R2*	RR2Y	3.4	R	CM	50.5	10.2	1.0	\$545.4	50.1	48.8	50.4	52.6
FS Seeds	HS28A02	RR2Y	2.8	R	AC	47.4	10.1	1.0	\$511.9	45.7	43.7	48.9	51.4
Buckeye	PS309RR2*	RR2Y	3.0	R		43.1	10.3	1.0	\$465.5	43.4	41.7	40.5	46.6
FS Seeds	HS31A02	RR2Y	3.1	R	AC	43.0	10.1	1.0	\$464.4	44.8	38.9	44.2	44.2
Steyer	2801R2*	RR2Y	2.8	R	CM	42.9	10.0	1.0	\$463.3	43.9	39.5	40.2	47.9
Buckeye	PS314RR*	RR	3.1	R		41.9	10.2	1.0	\$452.5	40.4	37.4	44.9	44.8
Channel	3303R2	RR2Y	3.3	R	AC	41.7	10.2	1.0	\$450.4	45.8	36.4	43.2	41.3
Channel	2903R2	RR2Y	2.9	R	AC	41.1	9.9	1.0	\$443.9	42.1	36.4	41.8	44.1
Stewart	3200R2	RR2Y	3.2	R	AC	41.1	10.2	1.0	\$443.9	39.2	37.5	44.8	42.9
Steyer	3202R2*	RR2Y	3.2	R	CM	40.8	9.6	1.0	\$440.6	39.2	41.0	41.3	41.5
Beck	XL 357NR^	RR	3.5	R	ES	40.8	10.6	1.0	\$440.6	40.6	35.4	42.1	45.0
Stewart	2909R2	RR2Y	2.9	R	AC	40.6	10.1	1.0	\$438.5	40.0	38.7	38.9	44.9
Steyer	2803R2*	RR2Y	2.8	R	CM	40.5	10.0	1.0	\$437.4	40.4	41.5	38.1	42.0
Steyer	3102R2	RR2Y	3.1	R	CM	40.5	10.3	1.0	\$437.4	40.6	35.9	39.9	45.4
Ebberts	2341RR2*	RR2Y	3.4	R	AC	40.4	9.5	1.0	\$436.3	40.4	38.0	39.6	43.6
Steyer	3001R2	RR2Y	3.0	R	CM	40.3	10.1	1.0	\$435.2	40.0	36.8	40.4	43.9
Channel	3600R2	RR2Y	3.6	R	AC	40.3	10.7	1.0	\$435.2	42.0	39.0	37.8	42.5
Stewart	3677R2	RR2Y	3.6	R	AC	40.3	10.6	1.0	\$435.2	37.0	39.5	41.8	43.0
Beck	XL 362NR^	RR	3.6	R	ES	40.3	10.5	1.0	\$435.2	40.6	37.2	41.8	41.6
Stewart	3177R2	RR2Y	3.1	R	AC	40.1	10.2	1.0	\$433.1	43.6	37.3	38.0	41.6
Ebberts	1365RR*	RR	3.6	R	T6	40.1	10.3	1.0	\$433.1	40.0	36.8	40.8	42.7
Stewart	3000R2	RR2Y	3.0	R	AC	40.0	10.2	1.0	\$432.0	40.9	37.7	39.7	41.7
Ebberts	2291RR2*	RR2Y	2.9	R	AC	39.9	10.0	1.0	\$430.9	41.1	36.8	37.7	44.0
Beck	XL 294NR^	RR	2.9	R	ES	39.9	10.0	1.0	\$430.9	42.0	37.7	38.2	41.8
Ebberts	2350RR2*	RR2Y	3.5	R	AC	39.8	10.4	1.0	\$429.8	40.9	36.3	38.8	43.2
Stewart	3400R2	RR2Y	3.4	R	AC	39.7	10.4	1.0	\$428.8	41.1	37.5	39.1	41.0
Stewart	3600R2	RR2Y	3.6	R	AC	39.7	10.4	1.0	\$428.8	42.3	37.4	37.6	41.4
Beck	XL 299NR^	RR	2.9	R	ES	39.4	10.1	1.0	\$425.5	39.9	35.8	40.3	41.5
Ebberts	2300RR2*	RR2Y	3.0	R	AC	39.4	10.0	1.0	\$425.5	40.8	36.8	38.1	42.0
Beck	XL 322NR^	RR	3.2	R	ES	39.4	10.0	1.0	\$425.5	40.8	34.9	38.4	43.4
<b>Site Averages =</b>			<b>40.8</b>			<b>10.2</b>	<b>10.2</b>	<b>1.0</b>	<b>\$441.0</b>	<b>41.3</b>	<b>38.1</b>	<b>40.5</b>	<b>43.4</b>
LSD (0.10) =			2.0			0.6	n.s		2.6	3.3	3.4	3.1	

# 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, Iowa, 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."

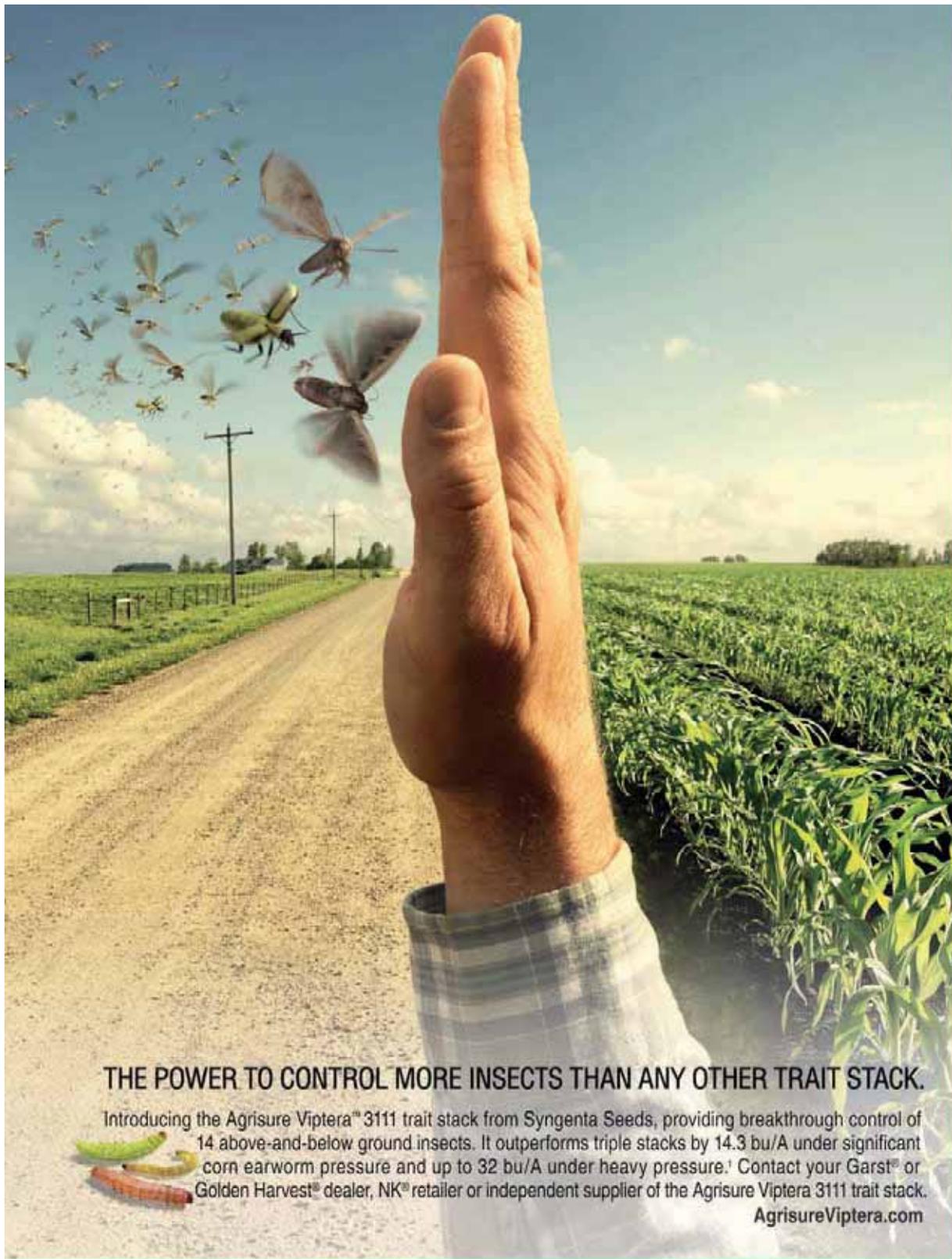
In 2007, for example, corn products in late-stage development yielded an average of 4 to 6 bushels per acre more than competitive products with comparable characteristics. Just two years later, products at the same stage of development averaged 8.5 to 10 bushels per acre more than comparable competitive 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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<sup>1</sup>2007-2009 Syngenta data from registered trials on locations with natural pest pressure.