

FIRST

Farmer's
Independent
Research of
Seed
Technologies

Evaluating Corn Hybrids and Soybean Varieties



Evaluation guide of corn hybrids and soybean varieties featuring independent on-farm yield tests



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Covering Wisconsin, Michigan, portions of Illinois, Indiana and Ohio

Other editions available at www.firstseedtests.com/media.shtml

CORN RESULTS

- | | |
|---|----------------------------------|
| 8 WICE
Wisconsin Central | 20 MITH
Michigan Thumb |
| 10 WISO
Wisconsin South | 22 MISO
Michigan South |
| 12 NCTS
North Central Tri-State | 24 INNO
Indiana North |
| 14 ILNO
Illinois North | 26 OHNW
Ohio Northwest |

SOYBEAN RESULTS

- | | |
|--|----------------------------------|
| 28 WISO
Wisconsin South | 34 INNO
Indiana North |
| 30 NCSL
North Central State Line | 35 OHNW
Ohio Northwest |
| 31 ILNO
Illinois North | |

Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)
3011A	Agrisure® Artesian® (CB,RW,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip,CB,LL,GT)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)
B	Blended seed (i.e. refuge blend)
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
GT	Agrisure® GT
GT/CB/LL	Agrisure® GT/CB/LL
HX	Herculex® 1, contains LL
HX,RR2	Herculex® 1, Roundup Ready 2 Corn
HXRW	Herculex® Rootworm, contains LL
HXT	Herculex® Xtra (HX,HXRW,LL)
HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
LL	LibertyLink®
None	Conventional, non-GMO
OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
OT	Optimum® TRIssect® (HX,RW,LL,RR2)
RR	Roundup Ready® soybeans
RR2	Roundup Ready® 2 Corn
RR2Y	Genuity® Roundup Ready 2 Yield® soybeans
STS	STS® - sulfonyleurea tolerant soybeans
STX	SmartStax® (VT3P,HXX)
VT2P	Genuity® VT Double Pro®
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple Pro®
YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Seed Treatments**

?	information not provided
A	Allegiance®
AC	Acceleron® fungicide products
ACi	Acceleron® fungicide and insecticide products
AM	ApronMaxx®
AP	Apron XL®
AVB	Avicta® Complete Beans
AVC	Avicta® Complete Corn
C	Cruiser®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CC	CurryCoat™
CE	Cruiser Extreme®
CM	CruiserMaxx® Corn
CMB	CruiserMaxx® Beans
CMBV	CruiserMaxx® Beans with Vibrance
D	Dynasty® (azoxystrobin)
DPHB	DPH Boost™
EE	Evergol™ Energy
Es	Escalate®
Ex	Excalibre™
G	Gaucha®
I	Inovate™ System
M	Maxim XL®
MQ	Maxim Quattro®
None	untreated
O	Optimize®
PV	Poncho®/Votivo®
P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
R	Raxil® (tebuconazole)
RS	Right Stand™
SCE	SmartCote™ Extra
SDPI	Servo DPI
SS+	Soyshield Plus™
SStd	SureStand™
St	Stamina® (pyraclostrobin)
T	Trilex® (trifloxystrobin)
V	Votivo®
Z	zinc

** Seed treatments may include unspecified plant health promoting components.

How to Interpret FIRST Trials

Farmer's Independent Research of Seed Technologies (FIRST) is an independent corn and soybean yield-testing service. We compare product yield performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin. In 2013, we compared yields of 1,032 corn grain and 706 soybean products. In total, more than 78,210 plot strips in 500 tests spread across 308 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 FIRST seed tests. Exceptions are check products (denoted by CK), chosen by FIRST managers to bridge results between early- and full-season tests, and Grower Comparison products (denoted by GC), provided by our host farmers for their knowledge.

FIRST 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" rows or four 30" rows). Typically 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 and soybean products within a 10-day and 0.7-group minimum maturity range, respectively, are pooled into a single all-season test or split into early- and full-season tests depending upon entry volume. All seed products entered in a region are seeded at each of six corn or four soybean locations within the region. Products are replicated three times per test, randomized 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 non-uniform 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, 2,001 to 12,000 eggs or more than 12,000 eggs are classified as low, medium or high populations, respectively.

FIRST 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 corn and Top 20 soybean 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. Statistically, the LSD value is the difference needed between two products to accurately state that

Footnotes and Abbreviations:

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

Brands in *italics* exceed the test's grain moisture limit.

Brand names ending with GC are grower-chosen comparison products.

Brand names ending with CK are check products in both early- and full-season tests.

identifies rejected results omitted from summary

‡ identifies locations with 2 replications

§ identifies United Soybean Board-sponsored entries

^ G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seeds are distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMMaxx® and XL® are registered trademarks of DuPont Pioneer.

ns – not significant

SCN Resistance: S – susceptible, MR – Moderately Resistant, R – Resistant.

one product is better than another 9 times out of 10 (90% probability).

FIRST manager comments are provided for each test site. Comments provide insight regarding test conditions such as weather patterns, plant health and any other factors that may have impacted product results.

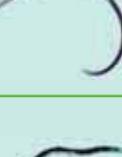
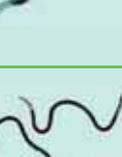
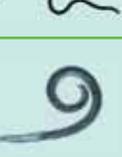
For more details, additional results and other editions visit www.firstseedtests.com.

first farmer's independent research of seed technologies

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KNOW YOUR CORN NEMATODES

INFORMATION COMPILED FROM RECENT UNIVERSITY EXTENSION ARTICLES.

COMMON NAME	DAMAGE RATING	SOIL TYPE	THRESHOLD* (per 100 cc soil)	ADDITIONAL INFORMATION
 Needle	High	Sandy	5–25	Most damaging. Prefers cool, wet conditions. Can kill corn plants. Causes stubby roots. Found near rivers and streams and in continuous corn.
 Root-Lesion	Moderate	All types	50–100 Pre-plant soil	Most significant impact in Midwest corn. Smaller root systems that are dark and discolored. Moderate stunting.
 Lance	Moderate	Sandy and others	40–150	Reduces root system. Darkened and discolored roots. Moderate stunting and chlorosis.
 Dagger	Moderate	All types; worse in coarse soils	50–100	Kills root tips. Sensitive to tillage. Severe stunting and chlorosis. Fewer fine roots remaining.
 Stubby-Root	High	Sandy	50–100	Severe stunting and chlorosis. Stubby lateral roots. Excessive upper roots.
 Sting	High	Sandy	20–50	Severe stunting and chlorosis. Small, coarse, devitalized root system. Found in southern Illinois and in the South.
 Spiral	Damage with high populations	Heavier soils	300+	Mild stunting. Smaller-than-normal root system. Root decay.
 Root-Knot	Damage with high populations	Sandy	100	Corn damaged by root-knot nematodes often is stunted and has the appearance of moisture and nutrient deficiencies.
 Stunt	Damage with high populations	Heavier soils	150–300	Moderate stunting and chlorosis. Smaller-than-normal root system.

*Guidelines only—consult your state's Extension nematologist for more information specific to your geography.

IMPORTANT: This advertisement is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.

Photos courtesy of J. Eisenback, Virginia Tech University.

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CR1012PONVOTA033V00R0



Season Overview Statistics

Corn Yield

	2013 vs. 2012		(bu. per acre)				
	% change	bu. (+/-)	2013	2012	2011	2010	2009
Minimum	85.8	38.8	45.2	6.4	6.1	30.1	84.6
Average	19.1	38.9	202.2	163.5	178.8	191.9	202.4
Maximum	13.9	46.3	333.1	286.8	277	299.6	310.6

Soybean Yield

	2013 vs. 2012		(bu. per acre)				
	% change	bu. (+/-)	2013	2012	2011	2010	2009
Minimum	-153.8	-4.0	2.6	6.6	23.7	4.4	20.7
Average	7.7	4.2	54.6	50.4	57.0	59.6	54.0
Maximum	4.8	4.8	99.1	94.3	92.1	91.2	80.3

Data from all FIRST plots tested during that year. Any rejected data was eliminated from these figures.

Corn

FIRST Region	Average Yield by Year (bu. per acre)				
	2013	2012	2011	2010	2009
DMNO	209	191	129	169	195
IAEC	185	166	196	199	219
IANC	197	148	189	191	204
IANO	184	139	176	181	197
IANW	194	183	187	188	198
IAWC	188	170	168	188	240
ILEC	201	146	172	192	211
ILNO	230	143	196	206	220
ILNOue	226	121	180	197	
ILSO	182	108	139	168	178
ILWC	206	159	201	190	198
INCE	252	140	214	232	237
INNO	214	155	207	220	200
INNO	214	155	207	220	200
INNO	214	155	207	220	201
KSNE	168				
MISO	217	124	178	186	180
MITH	209	179	180	170	192
MNSE	191	210	199	218	200
MNSW	195	193	181	203	200
MNWC	201	204	183	213	221
MONE	185	159	166		
MONW	164	104	157		
NCTS	229	181	206	212	212
NENE	217	120	190	198	219
NESE	184	126	156	187	
OHNW	196	146	185	155	184
OHWC	191	158	170	182	182
PACE	206	201	149	195	188
PASE	231	181	121	185	197
RDRV	173	222	146	159	156
SDNE	205	185	184	135	163
SDSE	200	137	166	171	173
WICE	203	166			
WISO	205	150	196	215	197
Total	202	164	179	191	201

Includes all available results except rejected data.

Soybean

FIRST Region	Average Yield by Year (bu. per acre)				
	2013	2012	2011	2010	2009
IANC	41	52	57	63	53
IANO	47	49	62	61	45
IANW	58	54			
IASC	58	62	64	55	62
IASO	62	59	67	72	67
ILNC	56	52	61	62	57
ILNO	71	70	70	66	43
ILSC	53	46	45	57	60
ILSO	60	51	50	50	52
INCE	72	64	77	74	64
INNO	68	54	73	70	59
KSEC	33				
KSNE	46	37			
MIDA	74	57	51	37	56
MNCE	59	52	49	61	46
MNSC	60	50	46	61	50
MNSO	56	54	50	58	56
MNWC	43				
MONE	40	41			
MONW	36	42			
NCSL	60	59	75	66	57
NDEC	43	44			
NDSE	33	42			
NENE	61	34			
NESE	60	35			
OHNW	43	57	55	41	47
SDEC	60	48	49	57	57
SDNE	48	52	40	45	42
SDSE	53	27	43	49	58
WISO	60	58	66	72	57
Total	55	50	57	59	54

Includes all available results except rejected data.

Corn Technologies Tested

Traits Tested	(% of entries containing traits)			
	2013	2012	2011	2010
Conventional	1.3	1.1	0.9	1.0
Glyphosate	98.5	98.8	98.8	98.0
LibertyLink	61.9	40.9	42.6	32.4
Corn Borer	97.8	96.9	96.5	94.2
Rootworm	82.1	84.4	86.2	88.8
Triple Stack*	82.0	84.3	86.0	88.2

*Triple stack = CB + RW + herbicide tolerant trait

Refuge Blends Tested

Blend	2013	2012	2011	2010
Blend	51.6	10.1	0.9	—
Non-Blend	48.4	89.9	99.1	—

Key Technologies Tested

Technology	2013	2012	2011	2010
STX	38.5	13.5	14.2	9.5
VT3P	29.4	45.1	30.8	11.3
3000GT	6.0	9.4	10.7	9.4
VT2P	4.5	2.5	2.6	0.1
HX,RR2	3.9	5.6	5.7	3.9
OI,RR	3.3	2.4	0.0	0.0
HXT,RR2	1.8	4.1	7.0	7.9
3111	1.5	1.7	2.7	0.0
GT/CB/LL	1.3	2.1	1.9	0.9
YGVT3	0.5	6.9	20.5	50.4

— items not available or not tested

Soybean Technologies Tested

Traits Tested	(% of entries)			
	2013	2012	2011	2010
RR2Y	83.4	88.5	89.8	72.8
RR2/STS	2.4	2.8	0.1	0.5
RR	14.1	8.5	9.8	21.4
RR/STS	0.1	0.1	0.3	0.7
RR Lo Lin	—	—	0.0	0
LL	—	—	—	3.4
Conv	—	0.1	—	1.2
Seed Treatment Use				
Treated	91.6	88.3	96.5	93.7
Untreated	8.4	11.7	3.5	6.3

— items not available or not tested



PONCHO

VOTiVO



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- › **EASIER:** State-of-the-art closed system eliminates hand mixing with pre-loaded recipes for ease of use.
- › **CONSISTENT:** Ensures seed treatments such as Poncho[®]/VOTiVO[®] are applied correctly and consistently, resulting in healthier plant establishment.
- › **EFFICIENT:** Consistent coverage and performance with Poncho/VOTiVO for increased yields.

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CR0812MULT11A386V00R0



Corn Stats:

Yield Range: 190.4-225.1 bu. per acre
 Yield Average: 203.4 bu. per acre
 Top \$ Per Acre: \$1,029

Corn Field Notes: Wisconsin Central

Jason Beyers, FIRST Manager

Fox Lake—This location was planted on May 16, which was early compared to the other four locations (two were planted on May 24 and the others were planted May 27 and June 1) in this region. We just caught a window to get the tests planted and then it started raining again. Emergence and early vegetative growth was good. This soil is a little lighter and that helped with the drydown on these hybrids. There was very little evidence of any disease present at harvest and any lodging noted was due to stalks, not roots.

Oxford—This test, also planted on May 24, was in a nice irrigated location. Spring planting was delayed but the test still produced nice yields. Corn plants had great stalk quality. The ears were filled out to the tip with good length and girth. There was little to no evidence of any yield-robbing disease present at harvest; ear shanks were still good and strong. Plants were still fairly green when they received frost, but it appears

the corn grain had a good drydown period prior to that.

Plover—This test was planted on May 24 due to early-season rains. Populations were good and corn was nice and uniform in the early vegetative stages. Corn was prematurely frosted off, limiting the amount of drydown this fall. Heavy winds did cause both root lodging and stalk lodging on some products. Ears were all filled out well but for the most part were facing downward. Ear shanks were weakened to the point that when the corn head touched the stalk the ears would fall off.

Pulaski—For as late as this location was planted (May 27) the yields were really good. The wet spring delayed the entire year. Plants did emerge well and received decent rainfall during the growing season. The lack of heat never let the corn completely finish off and dry down. Plants were all standing well with no evidence of any disease present at harvest. Most of the ears were still standing upright

and the plants showed signs of still having a lot of green leaves when the frost finally came.

Taylor—This location was never planted due to persistent spring rainfall. The soil never dried enough to facilitate planting. The calendar rolled around to June 10 and FIRST farmer member Jeff Guza had not put any corn in the ground. It was decided to abandon the test due to fears that the crop would not reach maturity in the short growing season this far north. Considering the cool midsummer temperatures, it was the right call.

Tomah—With a June 1 planting date, this location got off to a late start. Emergence was good and plants started out uniform. A lack of growing degree units this summer delayed the crop from maturing at a normal pace. Stalk strength was still good at harvest, as was ear retention. Cobs were still spongy, which made kernel shelling difficult. There was very little evidence of any disease that reduced yield.

Site Information Wisconsin Central						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Fox Lake	silt loam	minimum	peas	159	5/16	4.00	6.69	2.63	0.85	-1.93	-2.77
Oxford	sand	conventional	potato	200	5/24	5.63	12.53	3.06	2.10	-1.30	-1.79
Plover	loam	strip-till	corn	175	5/24	4.59	5.70	2.88	3.33	-1.04	-0.58
Pulaski	sandy clay loam	conventional	corn	178	5/27	2.43	3.63	2.07	4.06	-1.62	0.42
Taylor	sandy loam	minimum	corn	n/a	n/a	9.08	4.33	2.45	1.25	-2.05	-3.44
Tomah	silt loam	conventional	corn	136	6/1	6.34	7.37	2.56	1.24	-1.85	-3.13

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Wisconsin Central Corn Results



EARLY-SEASON TEST 93-98 Day CRM

Top 30 of 36 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Fox Lake	Oxford	Plover	Pulaski	Taylor	Tomah
Channel	197-68STXRIB	STX,B	AC,P5V	97	225.1	30.9	2	1,018	2	271.5	255.9	178.3	223.0		196.8
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	221.5	30.9	1	1,002	4	246.8	260.1	198.6	218.7		183.1
FS InVISION	FS 43SV4 RIB	VT3P,B	AC,P2,Z	93	218.3	24.6	2	1,029	1	248.3	240.5	200.6	216.1		185.9
AgriGold	A6202VT3Pro	VT3P	AC,P5V	96	215.4	28.1	1	992	6	251.5	246.1	204.8	209.4		165.3
Channel	195-58STXRIB	STX,B	AC,P5V	95	213.4	26.3	1	995	5	250.3	247.1	186.2	213.7		169.6
Viking	E52-95R	VT2P,B	AC,P2	95	212.3	28.9	1	973	13	238.8	239.7	193.8	207.7		181.7
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98	212.2	26.7	2	987	7	240.7	220.6	191.3	212.3		196.0
NuTech/G2 Gen	5X-894	HXT,RR2	MQ,P1V,R	94	211.2	22.7	1	1,007	3	239.9	232.2	192.6	205.3		186.2
Viking	Y91-98RL	3111	CM,C2	98	211.2	29.0	2	967	14	253.7	217.5	190.4	207.9		186.7
Pioneer	P9917AM1	AM1,B	MQ,P1V	99	211.1	26.7	1	981	9	232.5	245.5	188.7	206.7		182.3
FS InVISION	FS 46SV4 RIB	VT3P,B	AC,P2,Z	96	210.9	26.6	3	981	10	243.2	239.5	187.7	205.6		178.5
LG Seeds	LG5425STX	STX	AC,P5V	95	210.5	26.4	1	981	11	231.1	235.1	196.0	204.0		186.5
Great Lakes	4567VT3PRIB	VT3P,B	AC,P5V	95	210.3	25.4	2	986	8	247.2	263.3	181.3	183.9		176.0
Dyna-Gro	D34VC52	VT2P	AC,P5V	94	209.6	28.0	1	966	15	241.9	245.5	188.1	210.3		162.2
Renk	RK568VT3P	VT3P	AC,P2	95	208.6	28.7	2	957	19	242.9	220.7	198.1	204.1		177.4
Renk	RK585VT3P	VT3P	AC,P2	95	208.2	25.6	2	975	12	229.9	236.2	180.5	198.3		196.0
NK Brand	N37S-3000GT	3000GT	AVC,C5	97	207.3	27.7	2	958	17	235.9	227.9	163.3	200.2		209.1
NuTech	5N-9802	3000GT	MQ,C2	98	206.2	30.4	3	936	25	237.0	221.2	184.4	202.5		185.8
AgriGold	A6196VT3PRIB	VT3P,B	AC,P5V	95	206.1	25.8	1	964	16	231.2	226.4	183.5	196.7		192.5
LG Seeds	LG5444VT3PRIB	VT3P,B	AC,P5V	96	205.4	26.2	2	958	18	232.8	231.8	200.2	191.3		171.1
Renk	RK596SSTX	STX	AC,P2	98	205.4	29.0	3	941	22	230.8	240.2	176.8	210.2		168.9
Renk	RK557SSTX	STX	AC,P2	95	205.3	29.1	1	940	23	229.8	241.8	194.5	190.3		169.9
NuTech	5N-197	3000GT	MQ,C2	97	204.6	29.1	11	936	26	228.2	232.2	170.1	214.7		177.8
Jung	7S417RIB	STX,B	AC,P5V	96	204.1	27.3	1	945	21	241.2	227.8	179.4	193.6		178.7
NuTech/G2 Gen	5Z-9605	OI	MQ,P1V,R	96	203.9	25.5	3	955	20	235.7	228.4	188.1	192.1		175.0
Great Lakes	4879STXRIB	STX,B	AC,P5V	98	203.6	31.3	1	918	31	238.3	233.8	183.7	182.8		179.6
AgriGold	A6203VT3PRIB	VT3P,B	AC,P5V	97	202.5	27.6	2	936	27	225.2	252.4	165.2	199.0		170.9
NuTech	5N-9404	3000GT	MQ,C2	94	201.3	27.4	1	932	29	228.9	240.9	182.4	186.8		167.4
Stine	R9422VT3Pro	VT3P,B	AC,P2	96	200.1	25.7	2	936	28	221.7	225.6	185.9	192.3		175.2
Stine	R9311VT3Pro	VT3P,B	AC,P2	93	198.5	25.4	5	931	30	219.3	225.4	173.4	202.4		172.2
Pioneer	P0062AM1 CK	AM1,B	MQ,P1V	100	202.3	27.2	4	937	24	209.0	237.7	184.5	208.6		171.8
Test Average =					207.0	27.5	2	958		236.2	235.3	184.2	201.1		178.3
LSD (0.10) =					8.6	1.2	ns			16.2	18.4	16.3	14.1		17.9

This location was not planted due to persistent wet soil

FULL-SEASON TEST 99-102 Day CRM

Top 30 of 36 tested

LG Seeds	LG2501VT3PRIB	VT3P,B	AC,P5V	100	208.1	28.7	8	955	1	202.7	233.2	193.5	208.5		202.8
Jung	7S522RIB	STX,B	AC,P5V	101	208.1	30.4	3	944	3	185.3	243.2	199.1	222.9		190.2
Great Lakes	5015STXRIB	STX,B	AC,P5V	100	206.8	30.2	7	940	5	205.0	240.9	195.6	204.1		188.3
FS InVISION	FS 50TV4 RIB	VT3P,B	AC,P2,Z	100	206.2	28.7	1	946	2	208.1	227.6	206.3	217.5		171.3
Jung	7S506RIB	STX,B	AC,P5V	100	206.0	29.2	6	942	4	212.5	222.4	200.0	220.2		175.1
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	205.6	30.1	4	935	6	191.9	235.3	212.8	206.8		181.3
Trelay	5ST932RIB	STX,B	AC,P5V	102	204.9	30.3	5	930	9	180.8	235.7	206.7	215.3		185.8
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102	204.2	29.2	4	934	8	204.6	223.5	197.1	209.9		186.1
NuTech/G2 Gen	5Z-0105	OI	MQ,P1V,R	101	203.1	29.4	9	928	10	183.4	233.1	206.4	215.7		176.9
NuTech/G2 Gen	5H-399	HX,RR2	MQ,C2	99	202.7	29.6	7	925	11	235.7	210.9	187.6	213.1		166.3
Renk	RK581SSTX	STX	AC,P2	100	202.5	30.8	2	917	13	207.2	222.8	181.0	225.7		175.7
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	202.4	30.6	7	917	14	200.3	233.6	191.2	217.2		169.7
AgriGold	A6252STXRIB	STX,B	AC,P5V	100	201.9	29.9	5	919	12	215.5	220.2	192.1	209.4		172.5
Renk	RK666SSTX	STX	AC,P2	102	201.5	30.9	4	911	17	209.6	222.9	191.5	205.4		178.2
Pioneer	P0193HR	HX,RR2	MQ,C2	101	201.3	30.0	4	916	15	223.4	218.9	186.0	207.9		170.2
NuTech	5N-001	3000GT	MQ,C2	101	200.3	29.9	4	912	16	175.3	239.9	186.4	220.1		179.7
FS InVISION	FS 49SX1 RIB	STX,B	AC,P5V,Z	99	200.3	30.4	2	909	18	221.7	228.3	185.8	197.7		167.9
Renk	RK633SSTX	STX	AC,P2	101	199.5	30.2	2	907	19	197.4	229.4	196.2	194.3		180.1
FS InVISION	FS 52TX1 RIB	STX,B	AC,P5V,Z	102	199.3	30.3	7	905	20	196.1	222.5	187.3	208.8		181.8
Viking	E62-00R	VT2P,B	AC,P2	100	199.1	30.6	1	902	21	201.4	229.5	173.0	211.9		179.9
AgriGold	A6267STX	STX	AC,P5V	102	198.4	31.4	2	894	24	188.2	246.8	176.2	199.4		181.6
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	197.1	31.1	2	890	28	191.4	216.4	178.4	213.4		185.9
Stine	9424SS	STX	AC,P2	100	196.6	29.1	4	900	22	192.4	221.7	197.7	199.5		171.7
NuTech	5N-803	3000GT	MQ,C2	101	196.6	31.3	5	887	30	194.6	226.5	186.3	200.9		174.9
Golden Harvest	G01P52-3011A	3011A	AVC,C5	101	196.3	30.8	2	888	29	194.1	223.0	189.9	196.5		177.8
Renk	RK598SSTX	STX,B	AC,P5V	100	195.8	29.0	1	897	23	199.3	224.1	178.0	202.5		175.0
Channel	201-39STXRIB	STX,B	AC,P5V	101	195.7	29.5	2	893	25	189.4	216.3	204.3	203.9		164.8
Golden Harvest	G02W74-3000GT GC	3000GT	AVC,C5	102	195.4	29.6	4	891	27	171.7	224.7	191.8	206.8		182.2
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100	193.0	27.4	2	893	26	202.4	205.1	190.6	192.9		174.2
LG Seeds	LG2468VT3PRIB GC	VT3P,B	AC,P5V	99	191.9	27.8	5	886	31	170.2	227.8	202.1	190.4		168.9
Pioneer	P0062AM1 CK	AM1,B	MQ,P1V	100	202.1	27.4	3	935	7	200.8	238.6	192.8	212.2		166.3
Test Average =					199.8	29.9	4	910		196.1	226.5	191.9	207.2		177.4
LSD (0.10) =					ns	1.0	5			17.9	17.2	12.6	12.8		15.9

This location was not planted due to persistent wet soil



Jason Beyers, FIRST Manager



Corn Field Notes: Wisconsin South

Corn Stats:

Yield Range: 177.5-229.2 bu. per acre
 Yield Average: 204.5 bu. per acre
 Top \$ Per Acre: \$1,097

Arlington—This was a nice, high-yielding (average around 240 bu. per acre), consistent location. A lack of heat during the growing season slowed plant development to the point that corn was not drying down very well. The last couple of mornings before harvest produced killing frost so there was not much hope for further drydown. Plants were all standing perfectly with only evidence of some rust visible on the leaves. Ear and kernel sizes were larger than they were in past years at this site.

Janesville—This test started off with great emergence and corn was nice and uniform at the V5 to V6 stages. June was a wet month in this area but rainfall soon became sparse. At harvest, all plants were standing great with very little disease present. The only exception to that was some rust on the leaves. Ear size was decent but most varieties had some ear-tip dieback. I was surprised to find how dry the corn was. The average yield here was 217.5 bu. per acre in the

early-season test and 202.8 bu. per acre in the full-season test.

Oregon—This test started off great with good emergence. The plants were tall with some rust visible at harvest. Stalk quality was still good on everything. The full-season hybrids were still maintaining some green in the stalks and leaves. Ear placement on the stalks was high and the ears had good kernel set. Grain moistures were lower than expected considering the lack of heat that this test received during the growing season. Overall, this was a nice strip-till location.

Spring Green—Emergence was good at this location and the plants all looked good at the V5 stage. Throughout the test there were scattered foxtail and fall panicum, both of which more than likely reduced yield potential. Most of the plants had thin stalks and any lodging noted was due to the stalks. Ear size was small with small kernels for most hybrids. There was little to no disease pressure noted at harvest.

Watertown—This field started off really well with excellent emergence and it maintained a nice uniformity at the V5 stage. The sandy soil type here did not receive any rain for six weeks straight in July and August. Plant health was still good with little to no disease noted at harvest time. Ear size was medium with very little ear-tip dieback and good kernel size. Yield levels here were surprising considering the midseason stress that the test received.

Woodstock—Corn at this location struggled all year long. A lack of rainfall and some early-season root lodging affected several hybrids. The cobs were soft on the majority of the hybrids, making kernels hard to shell. Most of the cobs had good kernel size but just not much ear length. Stalks were still healthy with some green left in the plants. FIRST farmer member Dan Sass stated that the surrounding field would vary as much as 100 bu. per acre on his yield monitor within the same hybrid.

Site Information Wisconsin South						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Arlington	silt loam	minimum	soybean	218	5/16	5.00	11.47	2.90	0.99	-1.26	-2.91
Janesville	silt loam	strip-till	soybean	168	5/15	2.69	12.05	1.62	2.75	-2.31	-1.55
Oregon	silt loam	strip-till	corn	166	5/15	4.22	12.94	3.64	2.84	-0.07	-1.55
Spring Green	sandy loam	conventional	corn	220	5/15	4.58	10.00	3.73	1.88	-1.09	-2.36
Watertown	sandy loam	minimum	soybean	166	5/16	3.36	10.30	1.50	2.73	-3.22	-1.33
Woodstock	silt loam	conventional	corn, 2+ yr	240	5/15	3.21	10.76	2.53	3.43	-1.63	-0.94

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Wisconsin South Corn Results



EARLY-SEASON TEST 99-104 Day CRM

Top 30 of 45 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Arlington	Janesville	Oregon	Spring Green	Watertown	Woodstock
Trelay	5ST932RIB	STX,B	AC,P5V	102	229.2	22.1	1	1,097	1	255.2	225.0	215.7	247.2	246.6	185.3
Jung	7S522RIB	STX,B	AC,P5V	101	221.0	22.0	1	1,059	2	257.8	230.2	203.5	211.1	246.4	177.0
Stine	9425SS	STX	AC,P2	102	217.6	22.5	1	1,039	4	238.7	219.5	213.2	213.0	239.1	182.3
Dyna-Gro	D39VP14RIB	VT3P,B	AC,P5V	99	216.4	21.4	1	1,040	3	235.6	218.0	215.5	227.6	243.5	158.3
Renk	RK666SSTX	STX	AC,P2	102	213.4	22.2	1	1,021	6	228.7	213.0	220.4	212.7	226.5	179.0
Jung	7S577RIB	STX,B	AC,P5V	104	213.1	22.8	1	1,016	12	250.4	225.3	225.1	193.8	215.2	169.0
AgriGold	A6267STX	STX	AC,P5V	102	213.0	22.8	1	1,015	13	241.1	228.7	215.7	228.9	184.6	179.0
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	212.6	22.2	1	1,017	10	255.3	222.8	223.5	179.1	223.1	171.6
FS InVISION	FS 50TV4 RIB	VT3P,B	AC,P2,Z	100	212.4	20.3	1	1,028	5	246.0	226.0	231.6	197.1	207.7	166.1
Dyna-Gro	D41SS71	STX	AC,P5V	101	212.2	21.5	2	1,020	8	257.2	226.1	210.9	173.9	224.5	180.8
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	212.1	21.8	1	1,017	11	237.1	226.7	213.9	173.1	245.9	175.7
Golden Harvest	G02W74-3000GT	3000GT	AVC,C5	102	212.0	21.1	1	1,021	7	248.6	217.2	220.9	198.8	215.9	170.6
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	211.7	22.9	2	1,008	16	241.0	215.3	222.3	185.5	232.5	173.6
Channel	203-44STXRIB	STX,B	AC,P5V	103	211.6	22.4	1	1,011	14	246.8	215.6	210.8	217.1	207.5	172.0
Pfister	1821RA	STX,B	CM,C2	100	210.1	20.1	1	1,018	9	257.4	225.9	197.6	208.7	215.1	155.6
Pfister	2225SS	STX	CM,C2	102	209.5	23.1	1	997	21	234.7	222.6	198.4	223.0	206.4	171.8
Pioneer	P0392AMX	AMX,B	MQ,P1V	103	209.3	22.5	2	999	20	241.6	223.2	203.4	215.8	219.3	152.6
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100	208.6	20.2	7	1,010	15	248.6	222.9	215.6	178.5	233.7	152.0
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102	208.3	23.8	1	987	24	239.3	215.6	225.8	161.0	230.5	177.4
Great Lakes	5015STXRIB	STX,B	AC,P5V	100	207.4	20.9	1	1,000	19	237.8	215.5	217.8	186.7	200.2	186.6
LG Seeds	LG2501VT3PRIB	VT3P,B	AC,P5V	100	206.7	20.3	2	1,001	17	224.8	216.5	204.5	218.8	219.7	156.0
Jung	7S565RIB	STX,B	AC,P5V	103	206.7	22.9	1	985	26	247.7	211.6	198.4	198.5	222.4	161.3
Mycogen	2T498 GC	STX,B	CM,C2	100	206.6	20.2	1	1,001	18	243.6	217.4	215.3	179.2	216.5	167.8
NuTech	5N-001	3000GT	MQ,C2	101	206.4	20.8	1	996	22	238.3	225.8	217.4	192.7	207.8	156.1
FS InVISION	FS 49SX1 RIB	STX,B	AC,P5V,Z	99	205.2	21.1	1	988	23	236.1	210.3	209.5	198.2	237.1	140.1
LG Seeds	LG5522VT3P	VT3P	AC,P5V	103	203.7	23.0	2	970	30	249.6	211.1	212.7	173.3	234.8	140.9
Renk	RK633SSTX	STX	AC,P2	101	203.4	20.0	2	986	25	245.8	206.1	219.9	182.3	205.7	160.5
Renk	RK629VT3P	VT3P	AC,P2	102	203.0	22.5	2	969	31	237.7	225.8	221.0	174.4	202.7	156.1
AgriGold	A6252STXRIB	STX,B	AC,P5V	100	202.8	21.2	1	976	28	229.7	210.0	200.1	190.4	207.4	179.0
Stine	9424SS	STX	AC,P2	100	202.3	19.9	1	982	27	237.6	211.5	211.2	179.8	212.7	160.8
Pioneer	P0413AM1 CK	AM1,B	MQ,P1V	104	204.7	23.5	1	971	29	235.6	215.9	194.8	195.4	225.8	160.9
Test Average =					206.4	21.8	2	990		240.3	217.5	211.2	190.5	216.6	162.4
LSD (0.10) =					12.2	1.0	ns			13.6	9.7	18.5	23.1	21.9	15.6

FULL-SEASON TEST 105-108 Day CRM

Top 30 of 36 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Arlington	Janesville	Oregon	Spring Green	Watertown	Woodstock
Dyna-Gro	CX48VP76	VT3P	AC,P5V	108	218.0	25.2	1	1,023	1	264.2	207.6	225.9	217.8	217.3	175.2
Renk	RK776VT3P	VT3P	AC,P2	107	217.2	27.3	1	1,006	2	254.3	205.2	218.7	215.1	252.3	157.5
Renk	RK752SSTX	STX,B	AC,P5V	105	215.1	26.5	1	1,001	3	256.3	216.0	220.0	209.0	218.6	170.7
FS InVISION	FS 56TX1 RIB	STX,B	AC,P5V,Z	106	212.8	25.9	2	994	5	248.6	204.3	216.8	212.1	238.6	156.3
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	211.3	26.0	1	987	7	266.1	203.2	226.7	155.7	238.5	177.4
Renk	RK791SSTX	STX,B	AC,P2	108	210.7	26.3	2	982	8	233.9	230.3	217.0	188.2	213.9	180.9
Dairyland	DS9306	3000GT	CM,C2	106	210.2	23.7	9	996	4	249.4	199.8	210.0	199.9	246.7	155.4
FS InVISION	FS 552V4 RIB	VT3P,B	AC,P2,Z	105	210.2	24.2	1	993	6	251.8	216.4	217.0	200.8	246.6	128.8
AgriGold	A6376STX	STX	AC,P5V	105	209.8	26.2	1	979	9	248.1	214.6	207.5	184.7	226.4	177.3
Pioneer	P0832AMX	AMX,B	MQ,P1V	108	208.6	26.3	2	972	11	245.8	199.5	220.5	200.6	218.5	166.4
Jung	7S671RIB	STX,B	AC,P5V	107	208.4	25.1	1	979	10	239.4	200.1	216.0	202.3	206.6	186.1
Renk	RK699SSTX	STX	AC,P2	105	206.0	25.5	1	965	12	222.9	209.6	192.6	214.0	202.8	194.0
Stine	9534VT3Pro	VT3P	AC,P2	106	204.3	25.8	2	955	15	260.6	210.0	193.9	188.6	201.6	170.9
LG Seeds	LG5591VT3P	VT3P	AC,P5V	109	204.3	27.7	1	944	21	240.7	195.4	200.7	223.2	200.8	164.7
NuTech/G2 Gen	5H-707	HX,RR2	MQ,P1V,R	107	203.9	25.0	2	958	14	247.5	197.0	205.6	179.4	230.0	163.7
Jung	7S642RIB	STX,B	AC,P5V	106	203.8	26.7	1	947	20	233.6	206.1	202.3	179.6	213.3	188.1
Dyna-Gro	D47SS23	STX	AC,P5V	106	203.3	25.7	1	951	17	245.8	193.6	218.9	179.5	201.1	181.0
Channel	205-38STXRIB	STX,B	AC,P5V	105	203.1	25.6	1	951	18	239.6	215.0	206.2	183.1	202.3	172.4
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	202.9	26.9	10	942	22	224.0	207.6	226.1	205.0	221.9	132.7
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	202.1	25.0	5	950	19	243.5	211.7	228.8	184.8	191.3	152.2
AgriGold	A6358VT3Pro	VT3P	AC,P5V	105	201.9	24.3	1	953	16	233.8	203.4	214.3	213.6	194.3	152.2
NK Brand	NG0F-3111	3111	AVC,C5	107	200.5	28.0	4	924	27	237.4	198.8	192.8	203.7	221.2	148.9
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	200.4	26.7	1	932	25	233.4	199.4	194.1	214.1	201.7	159.4
Channel	206-78STXRIB	STX,B	AC,P5V	106	199.7	25.6	1	935	24	243.1	209.0	209.2	162.5	211.2	163.4
NK Brand	N54H-3111	3111	AVC,C5	105	199.6	24.9	2	939	23	244.8	204.9	200.3	196.2	197.9	153.2
Great Lakes	5785VT3PRIB	VT3P,B	AC,P5V	107	197.6	25.6	3	925	26	232.4	201.5	201.7	199.9	217.7	132.4
Great Lakes	5884VT3PRIB	VT3P,B	AC,P5V	108	197.6	25.9	2	923	28	257.6	193.2	203.5	177.0	194.8	159.5
Dairyland	DS9305SSX	STX	CM,C2	105	196.1	25.4	1	919	30	237.4	197.9	205.5	170.4	198.7	166.7
LG Seeds	LG5533VT3P	VT3P	AC,P5V	107	195.9	24.8	3	922	29	259.2	190.9	203.8	192.5	214.6	114.3
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	193.4	24.7	1	911	31	240.4	203.0	226.9	188.4	171.9	129.8
Pioneer	P0413AM1 CK	AM1,B	MQ,P1V	104	204.0	24.1	1	964	13	231.0	212.8	198.9	201.0	220.6	159.7
Test Average =					202.5	25.8	2	947		242.7	202.8	208.9	192.9	211.0	156.4
LSD (0.10) =					13.8	1.3	ns			16.3	14.5	17.4	26.9	22.0	21.3



Jason Beyers, FIRST Manager



Corn Field Notes: North Central Tri-State

Corn Stats:

Yield Range: 202.5-249.9 bu. per acre
 Yield Average: 229.6 bu. per acre
 Top \$ Per Acre: \$1,180

Lancaster—Early-season rains delayed planting in this area until May 13. The tests looked good all year long, with good emergence and nice uniform plant growth during the early vegetative stages. Some hybrids were starting to have some stalk issues, which were mainly due to tall, thin stalks and high ear placement. There was a substantial amount of ear-tip dieback on a majority of the hybrids. Kernel size was larger than average and ear shanks were becoming weak.

Manchester—This was a really nice, high-yielding, uniform location. Plants started off great and the site looked uniform all year. Mother Nature was kind enough to dribble a little rainfall here nearly every time the corn was stressed. Ears were a nice size with larger-than-average kernel depth. There was very little evidence of any disease present at harvest, and all lodging noted was stalk lodging.

Miles—Wow! Everything appeared to go absolutely correctly at this location this season. Some corn

was over 12' tall; you could not see the combine in the field from the road. Ear placement was higher than head height on an average-height person. The stalk quality was still excellent and most full-season hybrids still had green stalks on the bottom third of the plant. Ear and kernel sizes were some of the largest I've seen yet.

Milledgeville—This was an excellent, high-yielding location. Plants started off great with excellent emergence and good early-season growth. Rainfall was limited but timely during July and August when the corn needed it the most. All lodging that you see noted was due to stalk lodging and there was very little disease that could be found at harvest. Corn plants were extremely tall for most of the hybrids, and ear size was of a good girth with large kernels. Average yields here were 257.8 bu. per acre in the early-season test and 257.7 bu. per acre in the full-season test.

Postville—Planting was delayed until May 15 due to wet soil condi-

tions this spring. Another heavy rain shortly after planting hurt a good portion of the tests on emergence. A lack of heat this summer made it difficult for corn to fully mature and start drydown. Harvest moisture was high but so were yields. Plant health was still excellent at harvest with little evidence of any disease present. After a killing frost a few days prior, it was decided to harvest the location on Oct. 25. Average yields here were 223.9 bu. per acre in the early-season test and 240.1 bu. per acre in the full-season test.

Warren—Emergence was excellent at this location but the rest of the season continued to add to disappointing yield levels. Water is still the number-one limiting factor in corn. Ear-tip dieback was terrible here and most ears were not much more than 5" long. Stalks were starting to cannibalize themselves and there appeared to be fusarium present. It was apparent that hybrids that handle stress well worked their way to the top of this data set.

Site Information						2013 Rainfall (inches)					
North Central Tri-State						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Lancaster	silt loam	conventional	corn	225	5/13	4.86	8.86	2.27	2.90	-2.05	-1.30
Manchester	loam	conventional	corn, 2+ yr	221	5/13	10.11	8.76	2.84	3.42	-2.07	-1.42
Miles	clay loam	minimum	soybean	140	5/14	4.66	4.20	1.65	1.01	-2.37	-3.57
Milledgeville	silt loam	conventional	corn	200	5/7	3.21	7.27	2.50	1.53	-1.79	-2.94
Postville	silt loam	minimum	soybean	180	5/15	8.09	8.61	2.52	3.48	-1.93	-1.18
Warren	silt loam	conventional	corn, 2+ yr	242	5/16	4.35	8.34	1.90	2.94	-1.97	-1.66

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST North Central Tri-State Corn Results



EARLY-SEASON TEST 101-106 Day CRM

Top 30 of 63 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Lancaster	Manchester	Miles	Milledgeville	Postville	Warren
Cornelius	C533SS	STX	AC,P5V	106	249.9	24.3	2	1,180	1	249.1	239.7	289.1	280.9	241.8	198.6
AgriGold	A6376STX	STX	AC,P5V	105	246.2	23.7	5	1,167	2	236.8	244.7	289.4	267.5	233.7	205.0
Renk	RK752SSTX	STX,B	AC,P5V	105	244.0	24.0	3	1,154	5	231.5	215.3	301.0	275.3	239.7	200.9
AgriGold	A6267STX	STX	AC,P5V	102	243.3	22.0	1	1,165	3	228.6	261.4	278.3	284.5	237.1	169.9
Jung	7S522RIB	STX,B	AC,P5V	101	240.1	21.3	1	1,155	4	223.3	242.4	285.8	279.3	230.7	179.3
Gold Country	105-49RSS	STX,B	AC,P5V	105	238.9	22.5	3	1,141	8	226.6	239.0	285.4	276.0	223.8	182.7
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	238.0	21.6	4	1,143	7	227.4	242.3	268.1	272.7	247.8	169.4
Wyffels	W3998	STX	AC,P5V	105	238.0	22.9	2	1,134	10	223.0	254.0	274.5	261.8	218.6	196.0
Dekalb	DKC53-56RIB	STX,B	AC,P5V	103	237.3	22.2	1	1,135	9	222.9	241.4	281.6	274.3	219.2	184.4
Titan Pro	TP 39-05 SS	STX	AC,P2,Z	105	234.3	23.8	4	1,110	14	225.6	238.2	281.7	255.2	237.1	167.8
Jung	7S577RIB	STX,B	AC,P5V	104	233.8	22.5	3	1,116	12	241.2	231.4	281.4	260.5	210.8	177.7
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102	232.2	22.1	1	1,112	13	227.7	236.7	273.8	240.9	220.5	193.7
Dyna-Gro	D47SS23	STX	AC,P5V	106	232.0	23.6	1	1,100	22	231.8	233.4	270.7	247.6	214.3	194.2
Dairyland	DS9305SSX	STX	CM,C2	105	231.9	24.7	1	1,092	29	217.3	239.0	260.0	257.6	225.5	192.1
Titan Pro	TP 39-02 SS	STX	AC,P2,Z	102	231.7	20.8	1	1,118	11	212.2	244.7	267.5	264.2	213.4	188.3
Steyer	10603GENSS RIB	STX,B	SStd	106	231.5	22.9	3	1,103	18	216.0	257.5	260.7	252.4	250.1	152.4
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	231.3	22.4	3	1,105	15	202.9	243.0	292.5	280.5	242.8	126.3
Cornelius	C303SS	STX	AC,P5V	103	230.7	22.4	2	1,102	19	213.6	227.1	270.3	266.1	247.7	159.6
Titan Pro	TP 37-06 SS	STX	AC,P5V,Z	106	230.2	23.2	1	1,094	27	211.4	221.6	268.6	266.5	221.8	191.3
Cornelius	C438SS	STX	AC,P5V	105	230.1	22.9	2	1,096	24	219.8	229.5	277.3	261.3	215.3	177.1
Wyffels	W4797RIB	VT3P,B	AC,P5V	106	229.9	21.4	2	1,105	16	203.6	245.2	274.5	266.9	242.1	147.3
LG Seeds	LG5518STX	STX	AC,P5V	104	229.6	22.8	2	1,094	28	228.6	221.7	260.9	258.4	226.3	181.5
Renk	RK699SSTX	STX	AC,P2	105	229.5	23.7	4	1,088	30	215.4	231.7	267.6	265.9	218.1	178.2
Wyffels	W2888	STX	AC,P5V	102	229.2	20.9	2	1,105	17	221.5	236.1	252.4	254.8	227.2	183.3
Pioneer	P0413AM1	AM1,B	MQ,P1V	104	229.1	23.3	1	1,088	31	230.9	215.0	267.9	269.2	223.0	168.7
Jung	7S565RIB	STX,B	AC,P5V	103	228.7	21.9	2	1,096	25	219.3	231.9	259.9	268.7	205.5	186.6
Renk	RK666SSTX	STX	AC,P2	102	228.6	21.0	1	1,102	20	222.7	235.1	270.4	254.8	204.3	184.1
Dairyland	DS9306	3000GT	CM,C2	106	227.4	20.5	8	1,099	23	211.1	228.3	294.9	238.0	235.3	156.8
Viking	D81-01RL	STX,B	AC,P2	101	226.9	19.8	3	1,102	21	205.9	254.3	262.3	247.0	225.4	166.4
FS InVISION	FS 552V4 RIB	VT3P,B	AC,P2,Z	105	226.6	20.5	6	1,096	26	202.1	237.3	290.6	265.9	244.7	119.0
Pioneer	P0533AM1 CK	AM1,B	MQ,P1V	105	242.7	23.2	2	1,154	6	226.3	247.4	281.8	276.3	233.3	190.8
Test Average =					226.0	22.1	3	1,082		210.1	231.7	273.2	257.8	223.9	159.4
LSD (0.10) =					14.4	1.1	5			14.2	15.2	14.4	21.8	20.1	20.9

FULL-SEASON TEST 107-110 Day CRM

Top 30 of 54 tested

Channel	209-53STXRIB	STX,B	AC,P5V	109	248.8	25.8	1	1,163	4	229.8	249.3	288.9	283.0	239.4	202.3
Renk	RK791SSTX	STX,B	AC,P2	108	247.3	24.7	3	1,165	2	234.1	241.0	293.3	275.4	246.9	193.2
Stine	9632SS	STX	CM,C2	107	246.7	23.8	3	1,168	1	240.7	244.6	283.6	259.8	256.1	195.2
Jung	7S711RIB	STX,B	AC,P2	110	246.7	24.2	2	1,165	3	235.1	246.4	291.8	278.2	242.9	185.5
Dyna-Gro	CX50VP43	VT3P	AC,P5V	110	246.0	25.1	2	1,155	5	219.9	259.1	314.2	278.7	249.3	154.7
Channel	210-95STXRIB	STX,B	AC,P5V	110	244.5	24.8	3	1,151	6	245.0	239.6	294.6	281.4	234.9	171.3
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	244.0	24.6	4	1,150	7	215.3	241.5	321.6	252.7	245.5	187.6
Renk	RK797SSTX	STX	AC,P2	109	242.8	24.0	3	1,148	8	236.1	255.6	272.6	268.8	247.6	175.8
Wyffels	W5138	STX	AC,P5V	108	242.5	24.5	2	1,143	10	227.9	228.5	298.4	274.1	226.7	199.3
Wyffels	W5787RIB	VT3P,B	AC,P5V	108	242.1	24.8	3	1,139	13	241.5	241.0	294.5	257.4	254.7	163.5
Titan Pro	2M07-SS	STX,B	AC,P5V,Z	107	241.9	23.5	4	1,148	9	236.9	227.8	283.3	255.2	247.6	200.7
Pioneer	P0832AMX	AMX,B	MQ,P1V	108	241.4	24.9	2	1,135	14	236.1	231.8	272.6	260.5	247.4	200.2
Steyer	10703GENSS RIB	STX,B	SStd	107	240.6	23.5	3	1,142	11	236.0	220.7	297.1	249.3	243.6	197.1
Steyer	10803GENSS RIB	STX,B	SStd	108	240.4	23.4	3	1,141	12	225.5	252.5	287.0	265.2	248.2	164.0
Cornelius	C602SS	STX	AC,P5V	109	240.2	24.9	2	1,130	19	247.0	224.7	264.5	261.5	251.5	191.8
Wyffels	W6487RIB	VT3P,B	AC,P5V	110	240.0	24.2	7	1,134	15	226.9	250.8	291.4	255.0	242.1	173.8
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	239.6	24.3	5	1,131	18	240.9	236.2	305.6	273.5	248.5	132.8
LG Seeds	LG5591VT3P GC	VT3P	AC,P5V	109	239.6	25.3	2	1,124	22	210.8	245.2	316.0	259.7	255.1	150.7
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	239.0	24.5	7	1,127	20	232.4	222.1	288.4	252.6	240.8	197.6
Wyffels	W6627	VT3P	AC,P5V	110	238.5	24.9	4	1,122	23	207.1	245.8	312.9	258.0	235.9	171.1
Jung	7S671RIB	STX,B	AC,P5V	107	238.4	23.4	2	1,132	17	234.4	235.6	277.4	268.8	237.6	176.7
Dekalb	DKC57-75RIB	STX,B	AC,P5V	107	236.6	23.0	2	1,126	21	226.8	223.8	278.0	270.9	237.8	182.2
Steyer	11004GENSS RIB	STX,B	SStd	110	235.6	24.7	2	1,109	24	219.6	228.5	281.9	257.5	221.7	204.4
Dairyland	DS9809RA	STX,B	CM,C2	109	234.2	24.7	2	1,103	25	199.5	233.4	276.2	267.2	240.3	188.4
Pfister	2574RA	STX,B	CM,C2	110	233.8	26.2	4	1,090	29	222.2	236.7	267.7	264.7	228.1	183.3
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	233.7	24.5	2	1,102	26	223.8	220.0	285.0	273.3	256.6	143.6
Cornelius	C576VT3P	VT3P	AC,P2	108	232.1	24.7	5	1,093	28	209.0	245.1	279.7	263.0	241.7	154.0
NuTech/G2 Gen	5Z-109	OI	MQ,P1V,R	109	231.8	25.4	5	1,087	30	230.1	236.6	286.7	246.4	249.0	141.7
Titan Pro	TP 39-09 SS	STX	AC,P2,Z	109	230.8	23.2	2	1,097	27	222.3	234.9	298.3	273.1	232.4	123.5
Cornelius	C594VT3P	VT3P	CM,C2	109	230.2	24.4	3	1,086	31	194.3	243.8	275.6	247.0	244.8	175.8
Pioneer	P0533AM1 CK	AM1,B	MQ,P1V	105	238.9	23.7	2	1,132	16	224.2	242.1	280.7	268.6	228.1	189.8
Test Average =					233.1	24.2	3	1,101		217.9	232.1	285.8	257.7	240.1	165.2
LSD (0.10) =					13.0	1.1	ns			18.1	14.8	14.7	17.9	16.6	16.4



Corn Stats:

Yield Range: 202.3-250.2 bu. per acre
 Yield Average: 228.3 bu. per acre
 Top \$ Per Acre: \$1,193

Corn Field Notes: Illinois North

Jason Beyers, FIRST Manager

Grand Ridge—The Grand Ridge test plot was planted on May 7 on the farm of FIRST farmer members Don and Ralph Walter. Stalk quality was strong at this location. Plants were all standing well and ears were all still standing upright. Ears on most hybrids had a large girth to them and filled out close to the tip. Very few hybrids showed any evidence of ear-tip dieback. The kernel size on these ears was large as well. There was evidence of some charcoal rot and anthracnose in some hybrids but they were not severe enough to cause any problems. The plants all appeared to have excellent vegetative growth with some being over 12' tall. Overall, this was a nice location with high yield potential. The average yields here were 248.2, 247.9 and 252.6 bu. per acre for the ultra-early-, early- and full-season tests, respectively.

Malta—The Malta test plot started out really well with great emergence and plants that were all uniform in growth at stage V5.

Expectations for this test were quite high. Limited rainfall in July and August started to reduce yield potential quickly on this nonirrigated site. Pollination on all hybrids was excellent but the lack of water caused a significant amount of ear-tip dieback. Stalk quality was still good with the upper half of most hybrids still retaining some green color at harvest. The ears had a bit of girth but kernel size was smaller than average. This test yielded 239.8, 216.6 and 222 bu. per acre on the ultra-early-, early- and full-season tests, respectively.

Mazon—The Mazon test site was planted on May 8 and planting conditions were ideal at this location. I think every seed germinated. The corn did not receive any stress until the second week in July, when the rain stopped. Plants were short, with some of the tallest corn only about 6' tall. Ear length was not very long but they did have girth and they filled completely out to the tip. In

addition, there were a bunch of ears. After the past two years of being a drought-stricken area, it was nice to see these guys have some yields to be happy about. The average yields from the Mazon test were 190.4, 213.4 and 220.3 bu. per acre on the ultra-early-, early- and full-season tests, respectively.

Sublette—The Sublette test site was also planted on May 8. This test was a nice, high-yielding location. The plants were standing well for the most part. Any lodging that you see represented was stalk lodging. There was evidence of rust, anthracnose and some charcoal rot present at harvest. Ears on most hybrids had extreme girth to them and had very large kernels. Most of the fuller-season corn still had green left in the top half of the plants but almost all of the ears were hanging down. Overall, this was a good high-producing soil type, with a great water-holding capacity. The average yields here were

Site Information Illinois North						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Grand Ridge	silty clay loam	conventional	corn, 2+ yr	234	5/7	7.48	5.18	1.67	3.62	-2.70	-0.02
Malta	silty clay loam	conventional	corn, 2+ yr	200	5/6	3.83	11.19	2.20	4.67	-2.17	0.31
Mazon	silty clay loam	conventional	soybean	190	5/8	10.05	6.03	2.73	7.65	-1.27	4.15
Sublette	silty clay loam	conventional	corn, 2+ yr	279	5/8	5.37	8.11	1.20	2.31	-3.03	-1.78
Walnut	silt loam	conventional	corn, 2+ yr	144	5/8	6.55	5.98	2.83	1.71	-1.02	-2.73
Winnebago	silt loam	conventional	corn	236	5/14	3.37	9.00	1.75	2.89	-2.52	-1.72

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Illinois North Corn Results



ULTRA-EARLY TEST 101-105 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Grand Ridge	Malta	Mazon	Sublette	Walnut	Winnebago
AgriGold	A6376STX	STX	AC,P5V	105	249.2	22.1	5	1,193	1	283.6	253.3	209.9	269.5	231.2	247.6
AgriGold	A6267STX	STX	AC,P5V	102	241.2	19.9	1	1,171	2	265.7	247.2	194.8	270.1	237.5	231.9
Stone	5118RIB	STX,B	AC,P5V	101	240.2	19.3	1	1,170	3	248.0	273.5	208.0	266.8	231.6	213.0
Golden Harvest	G03W95-3000GT	3000GT	AVC,C5	103	240.2	19.6	2	1,168	4	270.5	242.9	189.8	280.7	230.8	226.7
Pioneer	P0533AM1	AM1,B	MQ,P1V	105	239.8	21.2	2	1,154	7	250.1	252.0	201.6	275.4	234.3	225.3
Stone	5318RIB	STX,B	AC,P5V	103	238.1	19.8	1	1,156	5	255.7	266.7	198.3	241.3	249.5	217.3
Jung	7S565RIB	STX,B	AC,P5V	103	238.1	19.8	2	1,156	6	253.9	258.5	195.5	262.0	232.7	225.9
FS InVISION	FS 55ZV4 RIB	VT3P,B	AC,P2,Z	105	236.7	20.6	12	1,144	8	260.9	263.2	196.3	272.8	250.4	176.6
Jung	7S577RIB	STX,B	AC,P5V	104	236.2	21.5	2	1,135	9	255.0	254.4	197.2	277.5	207.7	225.1
Titan Pro	TP 39-05 SS	STX	AC,P2,Z	105	233.6	21.9	2	1,120	14	255.2	237.3	212.9	239.2	232.6	224.5
LG Seeds	LG5528VT3P	VT3P	AC,P5V	105	233.5	22.6	2	1,114	18	283.8	233.4	211.3	240.7	243.9	187.8
Wyllfells	W3998	STX	AC,P5V	105	232.6	20.8	1	1,123	13	242.2	258.5	201.7	253.3	210.5	229.5
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	231.9	20.0	1	1,125	12	256.4	251.0	181.7	257.0	231.2	214.3
Golden Harvest	G02W74-3000GT	3000GT	AVC,C5	102	231.7	19.2	1	1,129	10	241.0	234.8	209.2	258.3	240.6	206.5
Stine	9425SS	STX	AC,P2	102	231.4	19.2	2	1,128	11	247.8	245.8	196.4	267.7	226.3	204.6
NK Brand	N50K-3000GT	3000GT	AVC,C5	103	231.4	20.5	2	1,119	15	253.9	245.0	165.1	269.1	234.8	220.7
LG Seeds	LG5522VT3P GC	VT3P	AC,P5V	103	230.9	20.3	1	1,118	16	274.0	243.2	186.2	254.9	232.1	195.0
FS InVISION	FS 54VX1 RIB	STX,B	AC,P2,Z	104	230.5	20.7	2	1,113	19	231.0	247.3	191.8	279.3	211.8	222.0
Pfister	2225SS	STX	CM,C2	102	229.6	20.5	2	1,110	20	251.6	232.7	182.4	265.0	217.8	227.8
Cornelius	C325SS	STX	AC,P5V	102	229.0	18.9	1	1,118	17	255.5	251.5	183.7	255.1	214.8	213.3
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	229.0	22.4	1	1,094	28	251.2	233.0	198.9	273.8	214.1	202.7
Stone	5418RIB	STX,B	AC,P5V	104	228.8	21.6	2	1,099	24	247.5	223.1	210.1	262.4	211.1	218.6
Wyllfells	W3007RIB	VT3P,B	AC,P5V	103	227.9	19.7	11	1,107	22	252.7	250.7	196.7	243.9	245.6	177.9
Jung	7S555RIB	STX,B	AC,P2	102	227.9	20.0	2	1,105	23	222.1	245.6	194.3	264.2	228.9	212.2
Titan Pro	TP 39-02 SS	STX	AC,P2,Z	102	227.1	18.9	1	1,109	21	251.8	228.3	184.6	262.4	218.5	216.9
NuTech	5N-803	3000GT	MQ,C2	101	226.9	20.5	2	1,097	27	224.0	254.1	199.3	253.4	220.4	210.4
NuTech/G2 Gen	5H-905	HX,RR2	MQ,C2	105	226.8	20.2	3	1,099	25	264.3	237.9	201.5	267.3	219.8	170.0
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102	226.3	20.7	4	1,093	29	243.7	256.9	197.6	255.9	215.9	187.6
Great Lakes	5368VT3PRIB	VT3P,B	AC,P5V	103	226.0	19.5	2	1,099	26	273.3	248.7	191.4	247.6	214.0	181.2
Wyllfells	W2888	STX	AC,P5V	102	223.1	19.2	1	1,087	30	243.2	236.7	183.1	270.8	199.2	205.5
Test Average =					226.1	20.4	2	1,094		248.2	239.8	190.4	255.1	221.4	201.6
LSD (0.10) =					13.2	0.9	ns			18.8	16.9	11.9	16.7	22.5	18.7

EARLY-SEASON TEST 106-109 Day CRM

Top 30 of 63 tested

Renk	RK791SSTX	STX,B	AC,P2	108	244.3	21.7	1	1,172	1	261.3	245.6	232.5	267.6	217.0	241.5
Channel	209-53STXRIB	STX,B	AC,P5V	109	244.1	22.9	1	1,163	4	242.4	231.5	241.5	267.0	235.0	247.2
Renk	RK752SSTX	STX,B	AC,P5V	105	243.3	21.1	2	1,172	2	256.1	243.5	220.6	272.4	215.0	252.1
Dekalb	DKC57-75RIB	STX,B	AC,P5V	107	242.1	20.8	1	1,168	3	252.9	208.6	219.8	273.1	247.6	250.8
Renk	RK797SSTX	STX	AC,P2	109	239.7	21.5	2	1,152	5	258.9	235.8	221.8	255.2	214.1	252.6
Steyer	10703GENSS RIB	STX,B	SStd	107	238.7	21.7	2	1,146	7	277.7	220.8	213.9	267.1	207.9	244.5
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	238.4	21.5	2	1,146	8	251.9	238.1	213.3	262.9	212.0	252.2
YIELDirect	5E58-RIB	STX,B	AC,P5V	107	238.1	21.1	2	1,147	6	259.8	216.8	221.4	259.6	223.0	248.0
Cornelius	C574SS	STX	AC,P5V	109	236.3	21.2	2	1,138	11	235.5	232.6	212.4	263.5	227.8	246.1
YIELDirect	5L33-GENSS	STX	AC,P5V	109	236.2	23.3	1	1,122	14	250.2	223.0	223.7	260.3	179.2	280.6
Cornelius	C533SS	STX	AC,P5V	106	235.7	20.1	3	1,142	10	257.8	205.3	219.1	272.0	216.2	243.5
Beck	Beck 5385A3	3000GT	Es	108	235.4	23.6	3	1,116	15	267.4	232.3	215.6	267.1	226.5	203.6
Stone	5828RIB	STX,B	AC,P5V	108	235.1	21.2	1	1,132	12	249.6	239.8	221.6	251.5	213.6	234.7
Stine	9632SS	STX	CM,C2	107	234.6	20.9	2	1,131	13	255.2	227.3	213.8	268.2	203.4	239.6
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	232.3	21.7	1	1,115	16	259.2	233.8	205.2	277.5	216.4	201.9
Pioneer	P1018AMX	AMX,B	MQ,P1V	110	232.1	23.2	4	1,103	24	259.6	216.7	216.4	227.0	233.9	238.7
Beck	XL 5828AMX^	AMX,B	Es	109	231.6	22.4	2	1,107	21	263.8	205.6	213.1	284.2	198.0	224.7
Titan Pro	2M07-SS	STX,B	AC,P5V,Z	107	231.3	21.6	2	1,111	17	253.1	197.4	226.8	265.4	201.7	243.3
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	231.3	22.5	3	1,104	23	265.2	240.6	200.4	272.9	214.6	193.8
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	231.1	21.8	1	1,108	20	256.9	233.3	202.8	258.3	212.7	222.7
Jung	7S671RIB	STX,B	AC,P5V	107	229.8	20.7	1	1,110	18	251.3	234.0	196.4	255.8	211.8	229.4
Renk	RK776VT3P	VT3P	AC,P2	107	229.4	20.9	1	1,106	22	242.4	212.2	217.2	261.3	226.8	216.4
LG Seeds	LG5533VT3P	VT3P	AC,P5V	107	228.7	19.9	1	1,110	19	259.4	204.7	203.5	257.5	220.3	226.8
Stine	9631VT3Pro	VT3P	CM,C2	109	228.3	21.8	2	1,095	26	260.7	210.7	227.2	265.1	203.6	202.3
Wyllfells	W5138	STX	AC,P5V	108	228.1	21.8	2	1,094	28	245.1	209.4	217.3	278.3	172.5	246.2
ProHarvest	6878StaxRIB	STX,B	AC,P5V	108	227.9	20.9	1	1,099	25	252.6	196.4	217.0	256.1	215.0	230.0
Jung	7S642RIB	STX,B	AC,P5V	106	227.4	21.8	1	1,091	30	235.7	229.3	218.4	247.3	205.9	227.8
ProHarvest	6800StaxRIB	STX,B	AC,P5V	107	226.6	20.8	1	1,094	29	237.6	184.1	221.3	246.7	236.2	233.6
Steyer	10803GENSS RIB	STX,B	SStd	108	226.5	20.5	2	1,095	27	246.3	183.9	212.4	260.3	221.5	234.7
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	225.1	20.1	2	1,091	31	236.4	225.4	201.2	276.3	208.3	203.0
Pioneer	P0832AMX CK	AMX,B	MQ,P1V	108	238.3	21.5	1	1,145	9	260.5	234.5	217.0	248.9	224.9	244.2
Test Average =					226.4	21.7	2	1,087		247.9	216.6	213.4	253.8	207.4	219.2
LSD (0.10) =					14.0	1.0	ns			18.8	21.9	14.6	17.6	22.1	20.0

FIRST Illinois North Corn Results



FULL-SEASON TEST 110-113 Day CRM

Top 30 of 72 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Grand Ridge	Maita	Mazon	Sublette	Walnut	Winnebago
LG Seeds	LG5618STX	STX	AC,P5V	113	250.2	25.6	1	1,171	3	261.4	257.3	237.6	279.5	206.4	258.7
Dyna-Gro	D52SS91RIB	STX,B	AC,P5V	112	249.3	25.8	1	1,166	5	269.2	223.7	238.5	289.0	217.3	260.4
Jung	7S744RIB	STX,B	AC,P5V	111	248.1	24.9	2	1,167	4	263.2	213.1	240.1	290.6	220.9	258.1
Channel	211-24STXRIB	STX,B	AC,P5V	111	247.6	23.6	2	1,174	1	267.7	236.5	227.0	250.1	246.9	257.4
Wyffels	W6627	VT3P	AC,P5V	110	247.2	23.4	2	1,174	2	265.4	254.3	216.7	281.7	244.7	220.6
Jung	7S777RIB	STX,B	AC,P5V	110	244.8	25.0	1	1,151	6	249.1	240.3	228.7	273.1	215.1	262.5
Stone	6358RIB	STX,B	AC,P5V	113	243.4	24.4	2	1,148	8	262.3	237.5	247.5	227.8	239.8	245.6
Dyna-Gro	D51VP32	VT3P	AC,P5V	111	242.6	23.8	1	1,149	7	270.4	227.8	228.1	275.6	222.6	231.0
Channel	213-59STXRIB	STX,B	AC,P5V	113	242.6	24.9	1	1,141	10	253.5	241.5	219.4	269.6	210.3	261.2
Dairyland	DS9111SSX	STX	CM,C2	111	241.3	24.5	2	1,138	11	260.3	207.8	226.7	275.9	242.2	235.1
Beck	XL 6175AMX^	AMX,B	Es	112	239.5	23.5	1	1,136	13	257.3	227.5	215.0	265.2	230.4	241.7
Jung	7S711RIB	STX,B	AC,P2	110	239.1	23.2	1	1,137	12	257.8	239.3	226.1	275.6	205.4	230.5
Steyer	11004GENSS RIB	STX,B	SStd	110	238.7	23.5	1	1,133	14	270.0	239.0	223.8	265.1	186.8	247.7
Stone	6258RIB	STX,B	AC,P5V	112	238.1	24.4	1	1,123	15	252.7	240.2	218.8	258.1	215.2	243.5
Cornelius	C728VT3P	VT3P	CM,C2	112	238.0	24.4	1	1,123	16	241.8	223.6	226.6	277.1	230.8	228.0
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V,Z	113	237.5	26.4	1	1,106	27	265.3	227.5	235.7	243.4	210.0	243.2
Trelay	8ST261RIB	STX,B	AC,P5V	113	237.3	25.0	1	1,115	21	257.3	206.3	223.4	253.9	220.7	262.3
Wyffels	W7477RIB	VT3P,B	AC,P5V	112	236.9	25.1	2	1,113	22	280.8	229.0	223.4	249.5	232.6	205.8
Steyer	11103GENSS RIB	STX,B	SStd	111	236.8	25.4	1	1,110	26	262.3	219.6	229.9	275.6	201.9	231.6
Pioneer	P1221AMX	AMX,B	MQ,P1V	112	236.6	24.0	1	1,119	17	250.6	249.2	204.5	267.0	213.5	235.0
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	236.5	25.8	1	1,106	28	248.8	237.1	215.4	265.7	233.3	218.9
Wyffels	W6917RIB	VT3P,B	AC,P5V	111	236.0	24.1	1	1,116	18	256.3	219.8	219.0	276.1	235.4	209.5
Stone	6148RIB	STX,B	AC,P5V	111	236.0	24.7	1	1,111	24	242.5	231.7	218.7	258.2	207.1	257.7
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	235.4	23.6	1	1,116	19	261.3	229.1	214.7	256.9	241.2	209.4
Cornelius	C628VT3P	VT3P	CM,C2	111	235.1	24.2	1	1,111	25	236.2	210.2	233.9	271.1	227.3	231.9
Channel	210-95STXRIB	STX,B	AC,P5V	110	234.5	23.1	1	1,116	20	246.0	214.1	223.3	265.7	215.1	242.7
Renk	RK890VT3P	VT3P	AC,P2	113	234.2	24.2	2	1,106	29	260.3	231.8	221.1	275.5	215.9	200.8
Stone	6058RIB	STX,B	AC,P5V	110	233.5	22.8	2	1,113	23	246.7	228.2	214.3	259.9	208.5	243.2
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	233.2	24.3	1	1,101	30	241.7	205.9	225.1	284.8	213.2	228.3
Golden Harvest	G10D98-3122 GC	3122,B	AVC,C5	110	233.2	24.5	1	1,100	31	250.3	239.9	213.6	252.5	225.8	217.2
Pioneer	PO832AMX CK	AMX,B	MQ,P1V	108	239.5	21.9	1	1,148	9	265.7	236.8	216.6	251.0	227.5	239.2
Test Average =					232.3	24.5	1	1,095		252.6	222.0	220.3	259.3	216.0	223.8
LSD (0.10) =					14.2	0.8	ns			18.9	15.9	13.2	19.3	18.4	18.3

255.1, 253.8 and 259.3 bu. per acre in the ultra-early-, early- and full-season tests, respectively.

Walnut—This location, also planted on May 8, was off to a great start and emergence was excellent. The plants received decent rainfall during the vegetative growth stages. Once tasseling started, the spigot shut off. Most of the hybrids started to die prematurely because of the lack of adequate precipitation. There was a fair amount of rust present on the leaves at harvest. Most of the early-season hybrids had the tops blown out from the last strong windstorm. All reported lodging represented stalk lodging. The average yields here at the Walnut test site were 221.4, 207.4 and 216 bu. per acre in the ultra-early-, early- and full-season tests, respectively.

Winnebago—The Winnebago test site was planted on May 14 and gave way to good emergence with uniform growth in the early stages. June rains produced plants that were extremely tall with ear placement at head height. Rainfall became limited during the reproductive part of the season, leading to smaller ears. There was a significant amount of ear-tip dieback on most hybrids and kernel size appeared to be smaller than normal. All lodging noted was from stalk lodging. Stalk quality was starting to deteriorate rapidly. There was evidence of anthracnose, charcoal rot, rust and what appeared to be fusarium. This test averaged 201.6, 219.2 and 223.8 bu. per acre in the ultra-early-, early- and full-season tests, respectively.



Photo courtesy of Jason Beyers

Harvest went well at Mazon, Ill., even though corn plants were short at 6' tall or less. However, with several years of poor yield results due to weather, the short corn did not mean poor performance, as Mazon's yield average was in the middle of the pack for this region.

A graphic element for the Corvus logo, featuring a yellow sun partially obscured by a green horizon line, set against an orange background.

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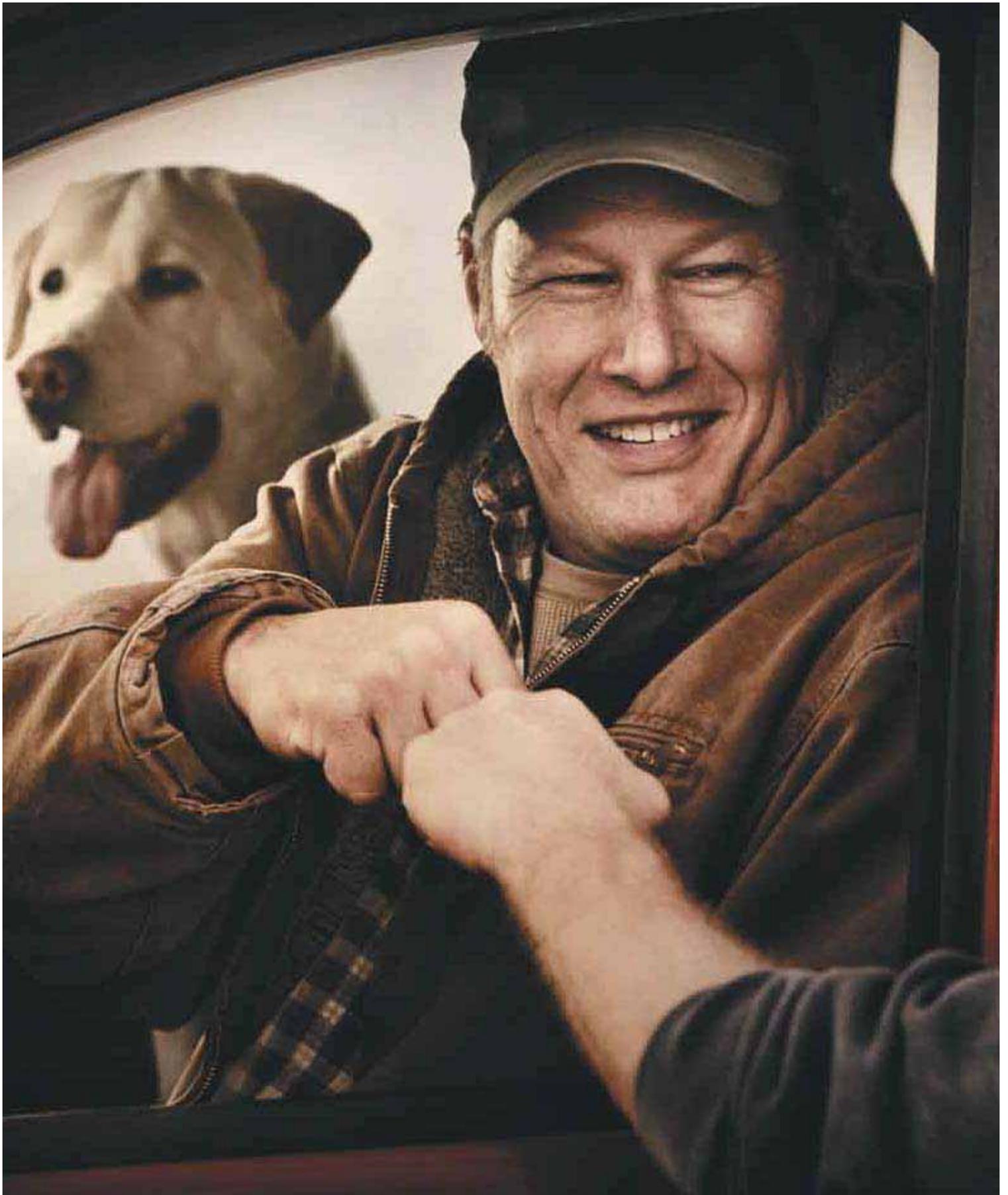
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Corn Field Notes: Michigan Thumb

Corn Stats:

Yield Range: 189.7-233.9 bu. per acre

Yield Average: 208.6 bu. per acre

Top \$ Per Acre: \$1,056

Breckenridge—The Breckenridge test was planted on May 13. Rain makes grain but it also creates other issues. Yields were variable due to excessive early-season water. Only two replications were used because we eliminated the most variable results. Lodging scores are high due to stalk rot from anthracnose, fusarium and gibberella. At the time of harvest on Oct. 30 the plant tops were broken off, there were no leaves on stalks and the plants were bent over to 6" to 8" above the ground. We were, however, able to feed lodged plants into the combine. There were some barren stalks in some products. Grain quality varied from light yellow to dull yellow with some ear rot from diplodia, fusarium and aspergillus.

Brown City—It was certainly a tough time to get a crop planted this spring. When a small window of good conditions opened on May 12 we were lucky to get this test planted. Crops planted in this area during this time frame had good emergence, catching the right weather. Yes, we got lucky! Plant health was good, as light disease was present but there were still green leaves and stalks. Corn kernels had a light red streak in them and test weight ranged from 56 to 59 lbs. per bushel. Lodging was not an issue here on the Brown City test site. This test was harvested on Oct. 28 and the average yield here was 237.7 bu. per acre.

Davison—When you receive your average annual rainfall in just two and a half months, it makes for a tough growing season. There was some ponding that stunted growth, thinned stands and hurt final yield in some areas. July and August were drier than normal with August receiving just 0.6" of rain, so yields were better than I expected. The stresses caused some ear-tip dieback, aborted kernels between kernels and a variance in ear size. In late August, diseases present were corn leaf blight, anthracnose and rust. Some signs of nutrient deficiency were noted too. With the disease and dry conditions, corn ears were hanging down on some hybrids. The September rains helped bring plants back to life, which helped

with ear retention and standability. This test was harvested on Oct. 29 and averaged a yield of 188.9 bu. per acre.

Henderson—This location was planted on May 13 and even though it is a well-drained site it had some excessive water issues like many of our tests this year. Fortunately, one single replication was uniformly impacted, making it statistically valid. Water-impacted plants in that replication were shorter, with inferior kernel set and smaller ears. Plant height in the other two replications was normal; these plants had good kernel set and ear size was from 16 to 18 kernels around and 36 to 40 kernels long. This test saw good stalk quality with minimal disease pressure present. We harvested on Oct. 30 and the average yield including all three replications was 190.3 bu. per acre.

Midland—The Midland test site was planted on FIRST farmer members Jim and Dave Terwilliger's farm on May 14. The crop got off to a nice start and emergence was good and even. In July, the area had hail that stripped all the leaves at growth stage V6. Strong winds in another late-season storm caused a couple of plots to goose-neck, as the soil was saturated. Overall stalk quality was good, with light disease pressure. Some products were hard to shell due to having a soft cob. Good grain quality, dry grain and ear sizes of 14 to 16 kernels around and 32 to



Ear-tip dieback was common in the tests at Davison, Mich., due to crop stresses such as ponding from excessive rain early in the season and a dry August.

FIRST Michigan Thumb Corn Results



ALL-SEASON TEST 92-101 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Breckenridge [†]	Brown City	Davison	Henderson	Midland	Peck [‡]
NuTech Integra	5N-001 9482VT3PRO	3000GT VT3P	MQ,C2 AC,P2	101 98	233.9 231.0	20.4 19.1	0 0	1,056 1,050	1 2	263.9 233.9	252.2 252.0	222.2 203.7	214.1 216.0	236.2 223.9	214.8 256.5
NuTech/G2 Gen	3F-198AM 8450RA	AM-R,B STX,B	MQ,C2 CM,C2	98 97	228.9 224.1	18.6 22.0	1 2	1,044 1,003	3 5	211.5 188.7	254.1 258.9	212.0 214.1	197.3 209.0	220.1 233.4	278.1 240.2
NuTech Great Lakes	5N-9802 4879STXRIB	3000GT STX,B	MQ,C2 AC,P5V	98 98	221.6 220.1	19.8 21.4	0 0	1,004 988	4 7	233.2 194.9	223.3 252.3	212.0 207.0	209.3 196.6	210.0 227.1	241.8 242.8
NuTech/G2 Gen	5H-399 5N-803	HX,RR2 3000GT	MQ,C2 MQ,C2	99 101	218.9 216.9	19.5 22.0	1 1	993 971	6 12	225.9 204.2	249.9 252.0	172.6 207.6	180.7 185.9	225.6 225.5	258.4 226.3
Renk Steyer	RK633SSTX 10102VT3PRO RIB	STX VT3P,B	AC,P2 SStd	101 101	216.3 216.2	21.1 19.2	0 0	973 983	11 8	218.0 210.1	239.1 254.0	191.4 197.8	192.1 202.4	211.0 222.6	246.0 210.3
NK Brand Channel	N45P-3011A 195-58STXRIB	3011A STX,B	AVC,C5 AC,P5V	101 95	215.0 214.5	20.4 18.8	0 0	971 977	13 9	183.9 202.5	246.4 252.8	190.3 194.6	200.3 199.0	228.1 203.5	241.1 234.6
NuTech/G2 Gen	5Z-9605 Dairyland	OI DS9501SSX	MQ,P1V,R AVC,C2	96 100	213.5 213.5	18.3 20.1	0 5	975 966	10 14	189.3 218.6	251.4 243.1	194.3 191.0	208.5 165.5	200.1 215.8	237.3 247.1
Hyland Integra	8505RA 5151SS	STX,B STX,B	CM,C2 AC,P5V	101 101	213.0 212.6	22.5 20.2	0 0	951 961	23 17	226.6 209.1	239.8 271.8	206.3 172.7	164.0 195.8	207.3 195.8	234.1 230.1
NuTech/G2 Gen	5Z-200 Steyer	OI 9203VT3PRO RIB	MQ,P1V,R SStd	100 92	212.0 211.9	19.1 18.6	0 0	964 966	16 15	238.0 224.9	215.6 240.4	192.9 204.7	188.5 208.4	209.2 204.1	228.0 189.0
Renk Rupp	RK581SSTX xrJ98-11	STX STX,B	AC,P2 AC,P2	100 98	211.2 211.1	21.1 20.0	0 0	950 955	26 20	168.2 235.9	251.6 232.6	200.7 192.3	190.0 180.6	215.2 191.8	241.7 233.5
Hyland Rupp	8486RA xrD90-64	STX,B 3220,B	CM,C2 CM,C2	100 90	210.0 209.6	19.9 18.0	2 1	951 959	24 18	227.4 189.6	226.5 243.4	180.3 189.3	201.4 204.2	196.1 200.9	228.3 230.0
Renk Great Lakes	RK522SSTX 5015STXRIB	STX STX,B	AC,P2 AC,P5V	94 100	209.5 209.5	18.2 19.8	0 1	957 949	19 27	205.4 214.7	250.4 233.2	179.4 199.9	208.4 195.2	198.2 193.0	215.4 221.2
Great Lakes Dairyland	4567VT3PRIB DS9791RA	VT3P,B STX,B	AC,P5V CM,C2	95 92	209.1 208.9	18.3 18.4	0 1	955 954	21 22	215.1 212.2	236.6 243.5	201.5 178.4	198.3 194.1	179.2 198.7	223.8 226.6
Renk Great Lakes	RK557SSTX 4206STXRIB	STX STX,B	AC,P2 AC,P5V	95 92	208.3 208.0	19.7 18.1	0 0	944 951	28 25	206.8 184.5	227.8 236.3	215.9 215.2	176.5 174.2	198.7 217.4	224.2 220.3
Dairyland Hyland	DS9694SSX 8315RA	STX STX,B	CM,C2 CM,C2	94 92	207.9 207.0	19.3 18.5	0 1	944 944	29 30	203.9 212.1	241.4 232.9	193.3 193.5	185.6 188.7	203.6 183.2	219.7 231.7
Test Average =					208.6	19.5	1	947		204.9	237.7	188.9	190.3	203.5	226.5
LSD (0.10) =					14.0	0.8	4			37.6	23.5	25.8	21.5	25.6	31.1
‡ = 2 replications															

38 kernels long were noted. This test was harvested on Oct. 30 and yielded an average of 203.5 bu. per acre.

Peck—Well, it is Michigan, so there was light damage (which was mostly lodging) from deer. Add to that some damage from a John Deere chopper on two passes and we had to remove one replication. We had nice emergence and the stand was close to target popula-

tion. Yields in this area are better than expected considering the spring and summer this year. Corn leaf blight was high at this location and the combine was covered in a black dust. Stalk and ear retention was good and ears had nice kernel depth, nice grain fill and no ear-tip dieback. Grain drydown was good. Plants had reached full maturity as 80% of the plant tops were broken off.



Northern corn leaf blight (NCLB) was a problem at Peck. The lesions are long and oblong, with tapered ends, much like the shape of a cigar. These characteristics distinguish NCLB from other leaf diseases.

Site Information						2013 Rainfall (inches)					
Michigan Thumb						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Breckenridge	loam	conventional	soybean	190	5/13	4.17	4.50	0.98	4.79	-1.79	1.34
Brown City	clay loam	conventional	wheat	188	5/12	2.51	1.94	2.24	2.10	-0.79	-0.94
Davison	sandy clay loam	conventional	soybean	160	5/13	2.25	5.46	1.66	1.11	-1.48	-2.08
Henderson	loamy sand	conventional	soybean	162	5/13	3.86	4.12	1.73	4.27	-1.39	1.07
Midland	sandy clay loam	conventional	sugarbeet	178	5/14	5.10	5.92	2.18	3.44	-0.34	0.23
Peck	clay loam	conventional	sugarbeet	198	5/12	2.62	1.97	3.06	1.56	0.31	-1.69

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.



Corn Stats:

Yield Range: 196.7-236.0 bu. per acre
 Yield Average: 216.8 bu. per acre
 Top \$ Per Acre: \$1,047

Corn Field Notes: Michigan South

Rich Schleuning, FIRST Manager

Charlotte—This area went from abundant spring rain to a dry mid-season and then ample late-season rain. Some seed products had high disease pressure above the ear leaf in August. Digging up a few corn plants revealed corn rootworm feeding and subsequent root mass reductions. Ear sizes ranged from 16 to 18 kernels around and 23 to 28 kernels long. Ear-tip dieback was observed and reached up to 2" in length. Average yield here was 194.7 bu. per acre on the early-season test and 197.7 bu. per acre on the full-season test.

Hartford—Soil here was very wet when we initiated harvest. Extra care was taken to limit combine weight to prevent getting stuck in the mud. Within an hour of starting on Oct. 30, rain began to fall, which ended up shutting us down. Ten days later water was still standing on the test. Harvest will be completed once the ground freezes. Unfortunately, this did not occur before our publication deadline. Please visit www.firstseedtests.com for final results.

Marshall—Corn stand was reduced by the wet spring weather. On June 13 corn had purple leaves partly due to wet conditions. These symptoms are often due to poor root development and short-term nutrient deficiency. Grain moistures were sporadic. Midseason diseases noted were corn leaf blight, anthracnose and rust. There was also some light insect feeding on grain. In early August, ears were hanging down on some plants. Some of these plants were dug and extensive corn rootworm feeding was evident.

Mason—Excessive early-season moisture led to some ponding, which hurt some test plots. Ear size ranged from 16 to 20 kernels around and 28 to 32 kernels long and all ears had shallow kernel depth. Corn plants showed signs of nitrogen deficiency when the dry spell hit, resulting in lack of moisture for nutrient uptake. The crop was standing nicely at harvest but stalk quality was poor. Plant diseases included anthracnose, corn leaf blight and light amounts of fusarium kernel rot and rust.

Reading—On the Reading test plot one extreme was followed by another. Last year, this test site averaged 134 bu. per acre. This year, yield is 100 bu. per acre higher and set a new record high. This is Michigan, so of course there was some deer-damaged corn. Diseases present include anthracnose, rust and diplodia stalk rot. The crop was standing well at harvest but a pinch and bump test showed quality detracting, evidenced by the fact that stalks would bend.

Riga—Ideal conditions at planting made for good emergence on the Riga test site. The crop was completely intact at harvest and ears were hanging down. Disease pressure was light with anthracnose, corn leaf blight and rust. The full-season test showed more disease pressure than the early-season test. Plants had quality root mass and prolific brace root development. Corn grain quality was good with a bright yellow color. A small amount of ear-tip dieback was observed here.

Site Information Michigan South						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Charlotte	clay loam	minimum	soybean	184	5/14	2.30	3.81	2.52	4.14	-0.53	0.76
Hartford	clay loam	conventional	corn, 2+ yr	n/a	5/8	2.42	4.03	2.79	3.83	-0.59	0.08
Marshall	sandy clay	no-till	soybean	176	5/11	1.53	3.45	4.58	4.81	0.44	1.10
Mason	clay loam	minimum	soybean	170	5/14	1.96	5.50	1.53	3.19	-1.73	-0.11
Reading	sandy loam	conventional	soybean	164	5/9	1.84	5.73	3.98	3.11	0.19	-0.72
Riga	loam	minimum	wheat	170	5/10	1.24	7.49	3.07	1.81	-0.40	-1.69

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Michigan South Corn Results



EARLY-SEASON TEST 96-101 Day CRM

Top 30 of 36 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Charlotte†	Hartford	Marshall	Mason	Reading	Riga
Steyer	10102VT3PRO RIB	VT3P,B	SStd	101	229.3	18.3	0	1,047	1	224.4		222.7	196.8	273.3	229.3
NuTech	5N-9802	3000GT	MQ,C2	98	228.0	18.5	0	1,040	2	222.7		235.0	206.4	235.1	240.6
NuTech	5N-803	3000GT	MQ,C2	101	228.0	20.1	0	1,031	3	206.5		232.2	172.6	280.9	247.8
Dairyland	DS9898RA	STX,B	CM,C2	98	226.8	19.8	0	1,027	4	205.4		236.1	195.3	269.1	228.3
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98	223.6	17.9	0	1,024	5	212.2		206.0	190.8	268.5	240.4
Dairyland	DS9501SSX	STX	AVC,C2	100	223.2	19.0	0	1,016	6	192.0		220.0	190.6	277.4	236.2
Pioneer	P0094AMX	AMX,B	MQ,P1V	100	222.7	19.6	0	1,010	8	216.2		207.8	185.4	270.5	233.5
NuTech	5N-001	3000GT	MQ,C2	101	222.4	19.2	0	1,011	7	205.6		212.3	189.6	291.8	212.8
NK Brand	N45P-3011A	3011A	AVC,C5	101	221.5	19.1	0	1,007	9	204.4		196.6	188.8	274.9	243.0
NuTech/G2 Gen	5Z-0105	OI	MQ,P1V,R	101	221.4	19.4	0	1,005	10	198.2		231.9	180.3	267.6	228.8
Channel	197-33STXRIB	STX,B	AC,P5V	97	219.9	18.9	0	1,001	11	202.0		211.9	192.3	254.6	238.5
NuTech/G2 Gen	5Z-200	OI	MQ,P1V,R	100	219.1	18.7	0	999	12	192.3		226.4	188.3	270.6	217.7
Steyer	9503VIP3111	3111	SStd	96	218.0	19.4	0	990	13	195.0		215.1	183.9	251.4	244.5
Hyland	8505RA	STX,B	CM,C2	101	218.0	19.9	0	987	15	174.8		236.6	178.3	247.3	253.0
Great Lakes	4879STXRIB	STX,B	AC,P5V	98	217.0	18.8	0	988	14	188.2		227.7	174.3	262.9	231.8
Stine	R9422VT3Pro	VT3P,B	AC,P2	96	215.6	18.3	0	985	16	200.4		221.0	188.1	230.5	238.0
Integra	5151SS	STX,B	AC,P5V	101	215.2	18.4	0	982	17	193.3		213.5	176.0	280.2	212.9
Rupp	xrD97-56	VT2P,B	AC,P2	97	215.1	18.4	0	982	18	204.9		207.3	182.9	258.4	221.9
Renk	RK633SSTX	STX	AC,P2	101	214.3	18.8	0	976	19	198.8		189.0	187.7	276.2	219.7
Hyland	8486RA	STX,B	CM,C2	100	212.8	18.6	0	970	20	197.3		232.2	172.4	266.9	195.2
Steyer	10004GENSS RIB	STX,B	SStd	100	212.7	19.8	0	964	22	190.1		217.5	185.1	253.3	217.6
Integra	9482VT3PRO	VT3P	AC,P2	98	211.7	18.4	0	966	21	195.7		231.4	176.9	255.1	199.5
Renk	RK581SSTX	STX	AC,P2	100	211.3	19.7	0	958	24	181.0		217.2	169.0	250.9	238.6
Great Lakes	5015STXRIB	STX,B	AC,P5V	100	210.8	18.7	0	961	23	185.4		210.8	183.4	249.6	224.9
Rupp	xrD00-27	VT2P,B	AC,P2	100	210.7	19.6	0	956	25	182.6		224.8	173.4	236.8	235.7
NuTech	5N-197	3000GT	MQ,C2	97	210.7	20.1	0	953	27	193.2		201.9	196.2	267.5	194.5
NuTech/G2 Gen	5H-399	HX,RR2	MQ,C2	99	209.5	18.9	0	954	26	200.1		214.4	180.2	244.2	208.7
AgriGold	A6252STXRIB	STX,B	AC,P5V	100	207.6	19.3	0	943	28	178.1		200.2	175.6	249.9	234.3
Steyer	9603VT2PRO RIB	VT2P,B	SStd	96	204.4	18.1	0	935	30	185.0		198.8	177.5	247.8	213.1
AgriGold	A6202VT3Pro	VT3P	AC,P5V	96	204.3	18.3	0	933	31	182.8		207.8	187.4	236.8	206.8
Seed Consultants	SCS 10HQ02 CK	HXT,RR2	MQ,P1V	100	207.0	19.5	0	939	29	189.7		210.4	175.9	249.6	209.5
Test Average =					214.4	19.0	0	975		194.7		214.8	182.4	256.7	223.5
LSD (0.10) =					13.3	0.8	ns					19.6	18.8	24.3	22.5

Harvest was incomplete. Visit www.firstseedtests.com for final summary

FULL-SEASON TEST 102-105 Day CRM

Top 30 of 30 tested

Hyland	4687	3000GT	CM,C2	105	236.0	25.7	0	1,034	1	206.0		229.3	225.1	285.7	233.7
Hyland	8521RA	STX,B	CM,C2	105	230.0	22.3	0	1,028	2	207.4		227.1	196.6	257.4	261.6
Steyer	10403VT3PRO RIB	VT3P,B	SStd	104	228.4	21.0	0	1,028	3	225.6		208.5	182.3	262.1	263.4
AgriGold	A6389VT3PRIB	VT3P,B	AC,P5V	105	228.1	23.0	0	1,015	4	204.8		229.2	207.8	271.6	227.3
Rupp	xr8034	3000GT	CM,C2	105	226.7	22.4	0	1,012	5	225.9		226.8	172.7	273.7	234.5
AgriGold	A6358VT3Pro	VT3P	AC,P5V	105	226.0	21.9	0	1,012	6	209.3		212.1	194.1	269.0	245.3
Renk	RK752SSTX	STX,B	AC,P5V	105	224.9	22.6	0	1,003	8	195.7		209.0	176.6	306.6	236.4
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	224.4	21.9	0	1,005	7	217.7		212.9	184.4	273.8	233.1
Dairyland	DS9305SSX	STX	CM,C2	105	223.4	23.3	0	992	10	212.8		196.4	188.0	252.5	267.3
NuTech/G2 Gen	5H-502	HX,RR2	MQ,C2	102	221.0	20.8	0	996	9	222.9		202.0	196.1	251.4	232.8
Integra	5441SS	STX,B	AC,P2	104	220.4	21.3	0	990	11	180.4		199.0	182.2	282.7	257.8
Rupp	xrJ03-31	STX	AC,P2	103	220.0	22.3	0	983	14	201.7		215.6	185.0	268.4	229.2
Great Lakes	5368VT3PRIB	VT3P,B	AC,P5V	103	219.4	22.4	0	980	16	180.7		202.5	190.0	267.8	256.1
Renk	RK629VT3P	VT3P	AC,P2	102	219.2	21.0	0	986	12	211.1		200.6	198.2	251.0	235.3
Channel	205-38STXRIB	STX,B	AC,P5V	105	219.1	23.1	1	974	19	174.5		194.7	185.5	277.2	263.4
NuTech/G2 Gen	3D-802AMX	AMX-R,B	MQ,C2	102	218.5	21.2	0	982	15	194.9		218.0	176.9	260.6	242.3
AgriGold	A6267STX	STX	AC,P5V	102	218.2	20.7	0	984	13	185.2		213.8	179.6	276.2	236.1
Golden Harvest	G05T82-3122	3122,B	AVC,C5	105	218.1	23.3	0	969	20	204.1		190.3	185.2	275.0	235.8
Seed Consultants	SCS 10HR43 GC	HX,RR2	MQ,P1V	104	218.0	21.9	0	976	17	191.5		214.3	197.9	269.0	217.1
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	217.9	21.8	0	976	18	214.6		197.2	187.8	249.2	240.8
Hyland	8636RA	STX,B	CM,C2	105	217.7	23.9	0	964	23	189.6		208.9	187.8	275.4	226.8
Hyland	8575RA	STX,B	CM,C2	104	215.5	21.8	0	965	22	193.4		211.1	179.2	258.5	235.4
NuTech/G2 Gen	5H-202	HX,RR2	MQ,C2	102	214.9	20.8	0	968	21	190.2		193.6	191.3	260.3	239.2
Stine	9425SS	STX	AC,P2	102	214.0	21.3	0	961	24	186.6		197.3	194.9	251.3	239.8
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	213.7	23.3	0	949	26	187.9		198.3	181.4	258.3	242.4
Seed Consultants	SCS 1032AM1 GC	AM1,B	MQ,P1V	102	213.6	21.5	0	959	25	210.5		201.0	174.0	255.9	226.8
Renk	RK699SSTX	STX	AC,P2	105	208.1	22.7	0	928	28	185.0		190.3	192.5	247.4	225.1
Dairyland	DS9604SSX	STX	CM,C2	103	206.3	21.9	0	924	29	171.6		191.7	183.5	258.3	226.2
Renk	RK666SSTX	STX	AC,P2	102	204.0	20.6	0	920	30	178.7		191.6	194.8	245.2	209.7
Seed Consultants	SCS 10HQ02 CK	HXT,RR2	MQ,P1V	100	210.0	21.0	0	945	27	171.1		216.0	180.2	243.7	239.0
Test Average =					219.2	22.1	0	980		197.7		206.6	188.4	264.5	238.7
LSD (0.10) =					13.4	1.4	ns					22.4	19.9	22.8	24.1

Harvest was incomplete. Visit www.firstseedtests.com for final summary

† = 2 replications, full-season test



Corn Field Notes: Indiana North

Rich Schleuning, FIRST Manager

Howe—Emergence here was good and quick and corn was up within five days of planting. Wet conditions shortened the total plant height. There was light earworm feeding on the tip and center of loosely husked ears. Harvested cobs showed kernels that had started but then aborted during fill. These were only present after being shelled. Diseases present included corn leaf blight and anthracnose.

La Crosse—This was a nice test to harvest, as crops stood well with only light lodging. A stalk strength “push test” found some stalks had very little strength left. Pushing 30 degrees from vertical, the stalk folded over. Diseases present include anthracnose and corn leaf blight. Considering the conditions this season, pollination was good, with only short ear-tip dieback. Kernel depth was shallow and kernel size varied. Grain color was dull yellow instead of the normal bright yellow.

Monroe—This area missed some showers at planting and conditions were getting dry. To find ample mois-

ture for seed germination, we had to plant 2.5” deep. We had good emergence and a good final stand. A strong storm before pollination led to some green snap below the ear. This made yields variable, especially in the full-season test. At harvest, all ears were hanging down with good retention. Plants had reached full maturity, as the leaves were starting to drop. Stalk quality varied from great to not having long before falling. Disease pressures noted were rust, corn leaf blight and anthracnose. Grain quality was good and color was bright. Kernels were easy to shell off the solid cobs.

South Bend—The crop here stood well at harvest. Some stalks and leaves remained green. Kernel depth was shallow. There was a small amount of ear-tip dieback with ears ranging from 14 to 18 kernels around and from 26 to 36 kernels long. Light infestations of rust, gray leaf spot, corn leaf blight and anthracnose were observed. Insect feeding on the ear tip was light, which led to light fusarium

Corn Stats:

Yield Range: 192.8-231.9 bu. per acre
Yield Average: 213.9 bu. per acre
Top \$ Per Acre: \$1,049

and aspergillus ear rot. The crop showed stress from early-season dry conditions.

Wolcott—This location had nice planting conditions with good emergence, which made for a nice final stand. The erratic weather conditions were conducive to plant disease. Disease pressure was from anthracnose, Northern corn leaf blight, light rust and light gray leaf spot. The crop was standing well at harvest with light lodging below the ear. Some stalks were still green. Grain quality varied with shallow to deep kernel set. Cob strength varied from soft to hard and grain moistures were drier than expected.

Woodburn—This site had better-than-expected yields. It was a nice crop to harvest, as plant health was some of the best I have seen this fall. We had high grain quality; the test weight was 57 to 60 lbs. per bushel with the grain a nice bright color. The crop was fully intact at harvest with all tassels and leaves present. It was a dirty crop to harvest and the combine was black when finished.

Site Information						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Indiana North											
Howe	sandy loam	conventional	corn, 2+ yr	197	5/15	2.30	7.99	2.75	2.71	-1.14	-1.34
La Crosse	sandy loam	conventional	soybean	188	5/7	3.53	6.31	2.32	4.82	-1.99	0.74
Monroe	silty clay loam	conventional	soybean	325	5/13	2.02	5.76	4.60	3.15	0.21	-0.60
South Bend	sandy clay	strip-till	wheat	235	5/8	2.90	5.09	1.70	4.46	-2.30	0.70
Wolcott	silt loam	conventional	soybean	165	5/9	5.83	5.40	2.12	1.46	-2.38	-1.86
Woodburn	silty clay	conventional	soybean	218	5/9	1.95	3.50	3.50	2.14	-0.74	-1.50

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Indiana North Corn Results



EARLY-SEASON TEST 103-108 Day CRM

Top 30 of 45 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Howe	La Crosse	Monroe	South Bend	Wolcott	Woodburn
Golden Harvest Dairyland	G07V88-3000GT DS9306	3000GT	AVC,C5	107	231.9	20.5	0	1,046	1	228.7	219.1	268.5	224.3	210.6	240.0
Seed Consultants	SCS 1074YHR	OI	MQ,P1V	107	223.3	20.3	0	1,009	5	192.4	223.7	242.6	217.3	212.5	251.1
Stine	R9632SS	STX,B	CM,C2	107	222.0	18.8	1	1,011	3	197.7	217.0	242.3	219.6	201.0	254.1
Ebberts	9488SSX	STX	AC,P5	108	222.0	20.1	1	1,004	8	207.5	222.8	233.6	216.6	203.5	248.2
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	221.9	19.0	1	1,010	4	195.0	201.2	255.4	227.3	216.8	235.5
Ebberts	7909VT3P	VT3P	AC,P5	108	221.6	20.9	1	998	10	225.2	203.7	267.8	192.9	211.8	228.2
NK Brand	N61P-3000GT	3000GT	AVC,C5	107	221.1	20.8	0	996	12	205.6	213.4	242.9	224.1	208.0	232.3
Stewart	5A439RIB	STX,B	AC,P5V	104	221.0	19.1	1	1,005	7	198.1	207.7	242.7	234.3	214.0	229.2
FS InVISION	FS 55ZV4 RIB	VT3P,B	AC,P2,Z	105	220.5	18.3	1	1,007	6	206.1	210.1	243.8	212.7	200.1	250.2
Stewart	6V556RIB	VT3P,B	AC,P5V	107	220.0	18.4	1	1,004	9	216.8	224.0	235.1	207.9	192.8	243.4
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	219.4	19.8	0	994	14	196.4	204.0	256.1	212.7	210.9	236.2
AgriGold	A6376STX	STX	AC,P5V	105	219.2	19.4	1	995	13	205.5	206.0	238.2	218.1	206.9	240.3
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	218.5	20.2	0	988	17	199.4	206.7	237.2	223.6	206.2	237.6
AgriGold	A6422VT3Pro	VT3P	AC,P5V	108	218.3	18.3	1	997	11	208.6	213.6	266.4	188.5	196.4	236.2
Seed Consultants	SCS 10HR43	HX,RR2	MQ,P1V	104	218.3	19.6	1	990	16	190.8	199.9	240.3	209.0	220.1	249.4
Steyer	10703GENSS RIB	STX,B	SStd	107	216.8	19.6	0	983	20	185.8	211.7	248.8	217.1	212.8	224.6
Great Lakes	5785VT3PRIB	VT3P,B	AC,P5V	107	216.2	18.8	0	985	18	216.3	209.2	226.5	217.2	202.1	225.6
LG Seeds	LG5533VT3P	VT3P	AC,P5V	107	215.4	18.1	1	985	19	185.7	209.7	236.3	207.8	205.6	247.1
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	215.3	18.5	0	982	21	186.3	181.3	244.2	234.1	192.2	253.8
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	215.3	19.6	0	976	22	189.7	206.3	231.8	227.0	200.4	236.6
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	214.5	19.0	0	976	23	189.6	195.3	257.8	211.9	210.8	221.5
LG Seeds	LG5528VT3P	VT3P	AC,P5V	105	213.6	18.9	1	972	24	206.3	185.3	232.1	221.6	201.9	234.5
NK Brand	N60F-3111	3111	AVC,C5	107	212.8	20.3	0	961	28	184.1	196.1	255.3	217.6	194.3	229.3
Stewart	7A259RIB	STX,B	AC,P5V	108	212.5	19.5	1	964	26	188.6	214.8	216.8	214.2	209.7	230.6
Ebberts	7109VT3P	VT3P	AC,P5	108	211.7	20.3	0	956	30	201.3	221.8	207.9	226.7	209.2	203.3
Golden Harvest	G02W74-3000GT	3000GT	AVC,C5	102	211.6	17.9	0	969	25	202.9	195.2	235.0	212.8	196.6	227.2
Seed Consultants	SCS 10HR62	HX,RR2	MQ,P1V	106	211.5	19.1	0	962	27	200.7	211.8	217.1	220.5	193.7	224.9
Stewart	5A988RIB	STX,B	AC,P5V	103	209.8	18.2	1	959	29	180.0	212.0	240.4	206.4	192.9	226.8
Partners Brand	PB 7672GT GC	GT	CM,C2	106	209.7	18.9	0	955	31	185.8	198.7	223.6	219.1	196.6	234.3
Beck	Beck 5509A3 CK	3000GT	Es	110	219.9	20.5	1	992	15	203.8	199.4	250.5	233.3	205.2	227.2
Test Average =					213.5	19.2	0	970		192.4	205.5	234.9	214.4	200.8	232.6
LSD (0.10) =					11.3	0.7	0			27.2	16.5	26.6	18.3	16.9	15.1

FULL-SEASON TEST 109-112 Day CRM

Top 30 of 54 tested

NuTech/G2 Gen	5Z-109	OI	MQ,P1V,R	109	227.5	20.6	1	1,026	2	211.1	223.4	247.2	225.2	216.5	241.7
AgriGold	A6499STX	STX	AC,P5V	112	227.5	23.0	0	1,012	3	224.9	231.7	243.2	205.5	218.3	241.3
Ebberts	9451SSX	STX	AC,P5	111	222.9	21.0	1	1,003	6	195.0	227.0	253.1	207.5	201.7	253.2
Seed Consultants	SCS 1093AAHQ	OT	MQ,P1V	109	222.6	19.9	1	1,008	4	208.6	217.3	251.2	199.6	193.7	265.3
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	222.3	20.0	0	1,006	5	217.2	226.5	225.3	208.3	217.5	238.9
Select	4984SM	STX,B	AC,P5	112	221.4	23.1	1	985	11	213.8	226.8	232.5	203.7	218.4	233.2
Channel	210-95STXRIB	STX,B	AC,P5V	110	221.2	20.4	1	999	7	205.0	224.9	249.5	211.9	198.5	237.6
Seed Consultants	SCS 1094AM-R	AM-R,B	MQ,P1V	109	219.2	20.2	1	991	8	209.7	211.8	229.5	197.1	229.3	237.5
Stine	9740VT3Pro	VT3P	CM,C2	110	218.8	20.8	1	986	9	211.3	192.5	239.8	200.9	212.4	256.0
Great Lakes	6232VT3PRIB	VT3P,B	AC,P5V	112	218.7	20.6	0	986	10	207.8	193.9	252.1	217.6	188.9	252.1
FS InVISION	FS 62MV4 RIB	VT3P,B	AC,P2,Z	112	218.3	21.2	1	981	14	214.6	203.8	253.5	191.4	213.1	233.2
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	218.1	20.9	0	982	12	197.1	209.3	246.3	214.9	197.6	243.5
Dairyland	DS9212SSX	STX	CM,C2	112	218.1	21.7	1	978	18	212.5	205.8	231.7	221.0	196.6	240.9
Ebberts	7712VT3P	VT3P	AC,P5	112	218.1	23.1	1	970	23	226.3	227.2	224.9	204.2	191.0	235.2
Partners Brand	PB 8242VIP3111	3111	CM,C2	112	218.0	22.0	0	976	20	222.7	209.0	236.8	188.6	198.5	252.5
Dairyland	DS9111SSX	STX	CM,C2	111	217.5	21.2	0	978	19	191.7	205.2	258.0	215.0	203.1	232.2
Golden Harvest	G12J11-3011A	3011A	AVC,C5	112	217.5	23.1	1	967	24	229.9	221.2	215.3	180.2	215.7	242.8
Partners Brand	PB 8333-3000GT	3000GT	AC,P2	113	217.5	23.3	0	966	25	232.8	211.0	234.2	209.2	190.5	227.4
Steyer	11004GENSS RIB	STX,B	SStd	110	217.4	20.8	0	979	16	217.5	210.9	222.6	209.7	202.2	241.6
Dairyland	DS9610	3000GT	CM,C2	110	217.1	20.1	1	982	13	197.5	210.9	240.4	211.9	192.2	249.9
LG Seeds	LG2575VT3PRIB	VT3P,B	AC,P5V	110	216.5	19.9	0	980	15	211.3	220.0	237.4	199.8	191.9	238.8
Seed Consultants	SCS 1114YHR	OI	MQ,P1V	111	216.1	20.7	1	974	21	213.1	214.9	230.8	202.5	189.0	246.1
NuTech	5B-410	GT/CB/LL	MQ,C2	110	215.8	19.6	1	979	17	206.6	205.8	220.1	225.0	196.9	240.6
AgriGold	A6472VT3Pro	VT3P	AC,P5V	110	215.2	22.0	1	963	26	219.6	215.5	240.2	191.6	192.2	232.3
FS InVISION	FS 61JX1	STX	AC,P5V	111	214.8	21.6	0	963	27	202.5	202.1	243.8	204.4	201.8	234.2
Stine	9631VT3Pro	VT3P	CM,C2	109	214.4	19.7	0	972	22	199.3	203.1	227.4	223.2	194.2	239.4
Steyer	11203-3000GT	3000GT	SStd	112	214.0	21.4	1	961	30	205.2	196.0	233.4	204.5	214.5	230.6
Golden Harvest	G09E98-3000GT	3000GT	AVC,C5	109	213.7	20.7	0	963	28	195.5	214.9	225.2	214.9	195.1	236.7
NK Brand	N70J-3011A	3011A	AVC,C5	112	213.6	21.4	0	959	31	189.0	226.6	244.2	186.8	194.7	240.5
Stewart	7A747RIB	STX,B	AC,P5V	110	212.8	20.2	1	962	29	205.4	215.8	215.9	218.4	181.8	239.6
Beck	Beck 5509A3 CK	3000GT	Es	110	231.6	19.8	1	1,049	1	207.2	208.5	255.1	222.7	230.8	265.0
Test Average =					214.3	21.1	0	964		204.6	210.5	230.2	203.3	197.2	239.9
LSD (0.10) =					11.6	1.1	ns			22.1	20.9	30.1	19.2	22.1	18.7



Rich Schleuning, FIRST Manager



Corn Field Notes: Ohio Northwest

Corn Stats:

Yield Range: 181.5-210.1 bu. per acre
 Yield Average: 196.0 bu. per acre
 Top \$ Per Acre: \$937

Bloomdale—The field tile line locations could be identified during harvest. The crop above them had a healthy appearance and good stalk strength. Between tile lines lodging scores were higher, there was more disease pressure and some ponding was also noticed. The Hoytville clay soil type here did not handle the excessive moisture as well as sandier soil types do. Area yields on Hoytville clay are running around 140 bu. per acre and sandier soils are out-yielding it, according to FIRST farmer member Larry Bishop.

Broughton—This test site had ample rainfall all year. Yields in this area were outstanding and reached record levels. The test showed no disease symptoms and the leaves of some hybrids were still green from good health at harvest. Corn plants above tile lines were darker green than those between lines due to better drainage. There was, however, no yield difference observed due to position over tile lines. Uniformity seemed to be consistent throughout the test and standability was excel-

lent. The average yield from this test was 231 bu. per acre in the early-season test and up to 243.4 bu. per acre for the full-season test.

Fayette—Unfortunately the Fayette location was lost. A new combine operator was unaware that our tests were located in the field. By the time our FIRST farmer member Randy Carothers realized that the combine was located in the FIRST test plots, three-fourths of the tests had been harvested.

McComb—This location had damage from some late rain that caused isolated ponding issues that hurt some plots. Overall, these were nice tests with very low disease pressure evident. The full-season test had more water damage and smaller yields than the early-season test. Near-perfect weather conditions during pollination helped deliver good grain fill. The yield in the field surrounding the test was higher at around 230 bu. per acre because it was on mostly sandy ground.

New Bavaria—This site had more than enough precipitation through-

out the year. Ear girth was nice, although leaves showed Northern corn leaf blight. There were also some symptoms of anthracnose. Standability was good even though stalk strength was starting to weaken from all the wind and wet weather. Yields in the area ranged from 180 bu. per acre to 230 bu. per acre, according to Darrell Myer, our FIRST farmer member for this site. Some plants even had two ears; that is not something you see often here.

Tiffin—The extensive rain this season made for high variability here. In some areas there were some ponding issues, which hurt grain fill and caused some kernels to abort. One replication was removed from the test results to eliminate the worst of this variation. The crop stood well with light lodging. The presence of anthracnose and common rust were noted. At harvest, tile line locations could be visualized based on crop growth above the tile. FIRST farmer member Chris Magers commented that this test was fair to good under the circumstances this season.

Site Information						2013 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Bloomdale*	clay loam	no-till	corn	271	5/18	2.00	3.00	4.00	3.00	0.21	-0.43
Broughton*	clay	minimum	soybean	195	5/15	2.00	3.00	1.00	1.00	-2.82	-2.17
Fayette*	sandy loam	conventional	soybean	208	5/21	1.00	7.00	2.00	1.00	-1.63	-2.60
McComb*	silt loam	conventional	soybean	310	5/16	1.00	4.00	2.00	1.00	-1.91	-2.64
New Bavaria*	clay loam	conventional	soybean	180	5/14	2.00	2.00	2.00	2.00	-2.09	-1.02
Tiffin*	sandy loam	conventional	soybean	188	5/21	3.00	5.00	3.00	3.00	-0.55	-0.50

Rainfall obtained on-site (* denoted) or estimated from www.weatherplot.com. Rainfall Normals (1981-2010) from National Climatic Data Center.

FIRST Ohio Northwest Corn Results



EARLY-SEASON TEST 103-108 Day CRM

Top 30 of 42 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Bloomdate	Broughton	Fayette	McComb	New Bavaria	Tiffin†
Select Dairyland	4809AQ DS9306	3000GT 3000GT	CM,C2 CM,C2	108 106	206.7 205.3	22.1 21.7	1 1	924 920	1 2	157.8 159.8	260.3 252.0		218.6 197.4	220.6 213.8	176.3 203.4
NuTech/G2 Gen	5H-707	HX,RR2	MQ,P1V,R	107	205.0	21.5	1	920	3	150.0	228.5		224.3	196.2	226.2
Dekalb	DKC57-75RIB	STX,B	AC,P5V	107	204.3	21.7	1	916	4	153.3	240.9		217.0	219.0	191.5
Steyer	10702VIP3111	3111	SStd	107	204.3	21.9	1	915	5	159.0	237.3		218.7	204.1	202.6
Specialty	4383GENVT3PRIB	VT3P,B	AC,P5V	105	204.2	21.9	1	914	6	160.4	260.5		201.1	213.1	186.1
Rupp	xrJ07-20	STX,B	AC,P2	107	201.8	21.8	1	904	7	145.8	219.4		225.5	194.1	224.1
LG Seeds	LG5528VT3P	VT3P	AC,P5V	105	200.1	21.8	1	896	8	153.8	229.1		219.0	211.8	186.6
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	199.5	21.8	1	894	9	158.3	241.7		212.7	194.5	190.4
Dairyland	DS9305SSX	STX	CM,C2	105	199.1	21.8	1	892	10	152.9	236.7		201.2	200.3	204.3
Mycogen	2C647	STX	CM,C2	108	199.0	22.1	1	890	11	162.2	222.3		226.7	210.9	172.9
Ebberts	9488SSX	STX	AC,P5	108	198.8	22.0	1	890	12	160.3	243.6		218.8	215.3	155.9
Ebberts	7109VT3P	VT3P	AC,P5	108	198.6	22.0	1	889	13	153.5	249.4		206.6	200.4	183.1
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	198.3	22.0	1	887	14	143.5	233.0		232.2	200.1	182.7
Ebberts	7909VT3P	VT3P	AC,P5	108	197.9	22.3	1	884	16	149.1	232.3		208.5	200.5	199.1
Select	4277SM	STX	AC,P5	105	197.4	22.1	1	883	17	147.8	239.8		217.1	224.2	157.9
Stine	R9534VT3Pro	VT3P,B	AC,P2	106	197.3	21.5	1	885	15	149.5	212.5		207.2	205.4	211.9
Doebblers	RPM 537AMX^	AMX,B	MQ,P1V	103	197.0	21.9	1	882	18	156.9	236.7		207.8	195.7	187.7
Great Lakes	5785VT3PRIB	VT3P,B	AC,P5V	107	196.3	21.7	1	880	19	143.0	231.1		222.2	202.3	182.7
Steyer	10803GENSS RIB	STX,B	SStd	108	195.9	21.8	1	878	20	154.4	226.9		207.1	207.1	183.8
Rupp	xrJ10-91	STX,B	AC,P2	110	195.5	22.2	1	874	21	151.9	238.5		201.5	219.0	166.6
Steyer	10703GENSS RIB	STX,B	SStd	107	194.7	21.9	1	872	22	154.8	227.9		208.7	185.6	196.5
Ebberts	6587VT2P	VT2P	AC,P5	108	194.6	22.0	1	871	23	148.2	237.3		216.0	210.7	160.9
Specialty	37V593	VT3P,B	AC,P5V	107	194.3	21.9	1	870	24	150.5	241.9		206.9	199.8	172.5
FS InVISION	FS 55ZV4 RIB	VT3P,B	AC,P2,Z	105	194.3	21.9	1	870	25	148.2	224.4		207.5	194.6	196.9
Great Lakes	5368VT3PRIB	VT3P,B	AC,P5V	103	193.8	21.8	1	868	26	153.4	215.4		208.1	215.9	176.1
Integra	5776SS	STX,B	AC,P2	107	193.7	21.9	1	867	27	147.4	240.7		225.6	190.8	164.2
Specialty	38A573	STX,B	AC,P5V	108	193.1	22.0	1	864	28	141.8	226.9		206.2	206.6	184.0
Select	4314AQ	3000GT	CM,C2	105	192.9	21.8	1	864	29	151.7	216.5		215.0	201.3	179.8
LG Seeds	LG5518STX	STX	AC,P5V	104	192.4	21.6	1	863	30	151.2	230.6		202.8	198.8	178.6
Beck	XL 5475AMX^ CK	AMX,B	Es	108	192.6	22.1	1	861	31	145.7	216.0		214.9	198.7	187.7
Test Average =					195.4	21.9	1	875		150.3	231.0		209.9	202.9	182.9
LSD (0.10) =					12.0	0.4	ns			13.1	20.4		18.9	15.0	22.9

Test was lost due to accidental harvest

FULL-SEASON TEST 109-112 Day CRM

Top 30 of 42 tested

Steyer	11203-3000GT	3000GT	SStd	112	210.1	22.6	1	937	1	164.1	254.0		193.0	229.2	210.3
Ebberts	9470SSX	STX	AC,P5	110	208.7	22.8	1	930	2	174.8	261.3		192.1	222.9	192.4
Ebberts	6411VT2P	VT2P	AC,P5	111	207.4	22.8	1	924	3	165.5	277.9		179.5	199.8	214.3
Ebberts	7712VT3P	VT3P	AC,P5	112	207.1	23.0	1	922	5	156.8	272.0		183.1	221.9	201.8
Ebberts	9451SSX	STX	AC,P5	111	207.0	22.6	1	923	4	161.9	243.1		186.6	238.2	205.0
Steyer	11103GENSS RIB	STX,B	SStd	111	202.9	23.0	1	903	7	168.1	237.0		163.0	222.6	224.0
Steyer	11208VT3PRO RIB	VT3P,B	SStd	112	202.8	22.5	1	905	6	163.8	250.9		163.3	222.2	214.0
Stine	9740VT3Pro	VT3P	CM,C2	110	202.6	22.7	1	903	8	160.7	253.7		186.1	220.2	192.3
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	202.5	23.0	1	901	9	160.0	254.6		171.4	224.7	201.6
Dairyland	DS9610	3000GT	CM,C2	110	202.0	22.6	1	901	10	159.0	266.8		172.6	217.8	193.7
Specialty	41A743	STX,B	AC,P5V	111	201.8	22.7	1	900	11	175.0	257.7		158.5	219.7	198.0
Rupp	xrT09-22	VT3P,B	AC,P2	109	200.3	22.9	1	892	12	165.7	234.0		191.2	215.1	195.4
NuTech/G2 Gen	5Z-1008	OI	MQ,P1V,R	111	200.2	22.9	1	891	13	176.0	238.5		182.8	220.3	183.5
Specialty	86R56GENSSRIB	STX,B	AC,P5V	111	199.7	22.6	1	891	14	173.7	256.6		180.4	207.9	180.0
NuTech	5B-410	GT/CB/LL	MQ,C2	110	199.7	22.6	1	891	15	160.5	230.9		187.3	226.2	193.5
Mycogen	2V709	STX,B	CM,C2	110	197.9	22.7	1	882	16	160.0	241.2		189.3	226.1	172.8
NuTech/G2 Gen	5Z-109	OI	MQ,P1V,R	109	197.5	22.6	1	881	17	167.6	231.8		170.8	224.2	193.3
Rupp	xrD11-13	VT2P,B	AC,P2	111	197.3	22.6	1	880	18	160.9	243.2		187.1	216.7	178.7
Great Lakes	6232VT3PRIB	VT3P,B	AC,P5V	112	196.7	22.7	1	877	19	162.4	246.8		157.5	232.2	184.7
Specialty	86R70GENSSRIB	STX,B	AC,P5V	112	196.7	23.0	1	875	20	164.0	244.6		160.7	207.6	206.8
Buckeye	RR9128VT3PRIB	VT3P,B	AC,P2	110	195.5	22.5	1	872	21	170.4	246.5		173.8	193.1	193.7
NuTech/G2 Gen	5H-610	HX,RR2	MQ,P1V,R	110	195.0	22.8	1	869	22	164.4	233.6		175.3	199.9	201.6
Integra	5906SS	STX,B	AC,P5	109	194.9	22.8	1	868	23	179.1	236.0		176.7	186.4	196.3
FS InVISION	FS 61JX1	STX	AC,P5V	111	194.5	23.1	1	865	24	168.5	238.1		177.8	216.5	171.8
Select	4984SM	STX,B	AC,P5	112	194.4	23.5	1	863	26	157.4	258.5		153.9	195.4	206.8
Buckeye	RR9021VT3PRIB	VT3P,B	AC,P2	110	194.1	22.7	1	865	25	164.1	245.3		159.5	204.4	197.1
LG Seeds	LG2575VT3PRIB	VT3P,B	AC,P5V	110	193.3	22.4	1	863	27	169.8	239.1		161.3	201.4	194.8
Steyer	11004GENSS RIB	STX,B	SStd	110	192.7	22.8	1	858	28	157.0	239.1		176.7	205.5	185.0
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	192.4	22.7	1	858	29	148.2	241.8		162.5	226.7	182.7
Integra	9613VT3PRO	VT3P	AC,P2	111	191.7	22.4	1	856	30	169.6	234.3		173.3	199.8	181.3
Beck	XL 5475AMX^ CK	AMX,B	Es	108	190.4	22.7	1	849	34	153.4	227.2		172.7	208.5	190.3
Test Average =					196.5	22.7	1	876		162.7	243.4		173.8	212.0	190.9
LSD (0.10) =					11.7	0.4	ns			15.3	20.6		18.2	18.8	25.7

Test was lost due to accidental harvest

† = 2 replications, early-season test

FIRST Wisconsin South Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Arlington	silt loam	no-till	15	5/27	97.4	low	0.99
Lancaster	silt loam	conventional	15	5/24	126.8	low	3.03
Spring Green	silt loam	conventional	15	5/24	113.1	medium	1.88
Watertown	sandy loam	no-till	15	5/21	111.4	low	2.73

Rainfall obtained on-site (*denoted) or estimated from www.weatherplot.com



Jason Beyers, FIRST Manager

Soybean Stats:

Yield Range: 54.4-63.6 bu. per acre
 Yield Average: 59.5 bu. per acre
 Top \$ Per Acre: \$827

Soybean Field Notes: Wisconsin South

Arlington—Soil conditions were extremely wet at planting. Early-season rains delayed planting until the end of May. Soybeans struggled to get out of the ground but seemed to compensate well during the growing season. This location did receive some timely rain, which helped to produce yields averaging 66.4 bu. per acre. There was little evidence of any disease pressure at harvest time. Plants ranged from 24" to 52" tall.

Lancaster—This location performed really well, considering that it was planted in late May and that emergence was not ideal. Plants were all standing perfectly with heights ranging from

24" to 48" tall. There was excellent pod set on most varieties and seed size was fairly large. Little to no disease presence was noted in the test plot area but there were several varieties that were still holding onto green stems. This test yielded an average of 70.1 bu. per acre.

Spring Green—Rainfall this spring delayed planting in this area until the end of May. Even at that time, planting conditions were marginal and on the wet side. Yield levels of the test were comparable to what FIRST farmer member Will Hutters had in the surrounding fields, which is quite respectable for dryland sand in

this area. The average yield here was 57.5 bu. per acre. I did not see any disease that hurt the crop and all varieties were standing perfectly, which helped make harvest simple.

Watertown—Soybeans struggled from the start here at the FIRST test site in Watertown. Wet soil conditions after planting caused emergence issues; this was then followed by limited rainfall for most of the growing season, causing the soybeans to be short. The tallest plant only grew to 27" in height. There were no issues with disease or lodging. The average yield from this test was 44 bu. per acre.

1.8-2.5 Maturity Group

Top 20 of 63 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Arlington	Lancaster	Spring Green	Watertown
FS Hisoy	HS 25A22	RR2Y	2.5	R	CMB	63.6	12.8	1	827	72.1	75.5	58.8	47.9
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV	63.6	13.1	1	827	71.0	71.1	66.0	46.4
Dairyland	DSR-2411/R2Y	RR2Y	2.4	S	CMB,O	63.2	12.8	1	822	66.4	75.1	60.0	51.3
FS Hisoy	HS 24A01	RR2Y	2.4	S	CMB	62.6	12.8	1	814	70.6	75.8	56.5	47.5
Asgrow	AG2433 §	RR2Y	2.4	MR	AC	62.0	12.9	1	806	66.4	78.6	59.6	43.3
Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV	62.0	13.0	2	806	67.8	70.5	60.4	49.2
LG Seeds	C2333R2	RR2Y	2.3	R	AC,PV	61.9	12.7	1	805	71.8	72.7	58.5	44.4
NK Brand	S25-E5 §	RR2Y	2.5	R	CMBV	61.8	12.6	2	803	69.2	71.8	55.0	51.3
Asgrow	AG2431 §	RR2Y	2.4	S	AC	61.7	12.8	1	802	75.1	79.2	48.0	44.3
Dyna-Gro	S25RY44	RR2Y	2.5	R	ACi	61.6	12.7	2	801	67.8	71.1	62.5	44.9
Channel	2306R2	RR2Y	2.3	R	ACi	61.5	12.8	1	800	65.1	72.9	63.6	44.3
FS Hisoy	HS 20A22	RR2Y	2.0	R	CMB	61.5	13.0	1	800	66.8	73.2	60.4	45.7
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	61.5	13.0	3	800	67.0	77.5	62.3	39.0
Pioneer	92Y51 §	RR	2.5	R	EE,G	61.3	12.9	1	797	66.8	75.5	52.8	50.0
Jung	1228RR2	RR2Y	2.2	R	ACi	61.3	13.0	1	797	65.3	74.4	61.8	43.7
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	61.1	12.9	1	794	64.7	71.7	60.6	47.3
Jung	1201RR2	RR2Y	2.0	R	None	61.1	13.0	2	794	66.7	73.5	62.3	41.7
Steyer	2202R2	RR2Y	2.2	MR	SStd	60.9	12.9	1	792	70.9	71.8	51.9	48.8
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV	60.9	13.1	1	792	66.8	69.3	64.1	43.3
Stine	19A02 §	RR2Y	1.9	R	CMB	60.8	12.9	1	790	68.2	65.6	61.7	47.8
Site Averages =			59.5	12.9		2	774			66.4	70.1	57.5	44.0
LSD (0.10) =			4.2	0.2	ns					5.4	5.4	5.5	4.9



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FIRST North Central State Line Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Janesville*	silt loam	no-till	15	5/22	115.8	low	1.48
Miles	clay loam	conventional	15	5/22	142.4	low	1.01
Warren	silt loam	conventional	15	5/22	144.5	low	2.94
Winnebago	silt loam	no-till	15	5/20	149.1	low	2.89

Rainfall obtained on-site (*denoted) or estimated from www.weatherplot.com



Jason Beyers, FIRST Manager

Soybean Stats:

Yield Range: 53.5-66.8 bu. per acre
 Yield Average: 60.0 bu. per acre
 Top \$ Per Acre: \$868

Soybean Field Notes: North Central State Line

Janesville—This location struggled all year long. Soybean varieties had difficulty with emergence and vegetative growth was limited. All plants were short with poor pod set. There were only a few pod clusters that had three or more pods. Plants seemed to die prematurely and several still had dead leaves attached to them at harvest. Overall seed size was small on a good portion of the varieties. There was minimal lodging here and the average yield was 45.6 bu. per acre.

Miles—This location had a nice yield, considering the limited rainfall in July and August. Plants were almost all erect and the smaller-diameter stems made harvest and

threshing easier than normal. Most seed size was close to 2,700 seeds per pound. There was very little evidence of any disease present at harvest. Emergence on some varieties was a little light early in the season but most seemed to compensate really well. The average yield on this site was 67.4 bu. per acre.

Warren—This site had a really nice yield with consistent uniformity throughout. Emergence started off great and plants achieved a fair amount of vegetative growth. Plant heights ranged from 32" to 54" tall. Disease did not appear to be an issue on this test plot. Plants had fairly long internodes and

three to four soybean pods per pod cluster. Late rainfall contributed to decent soybean yields in this area but unfortunately they were too late for corn. The soybeans in this test averaged a yield of 71.4 bu. per acre.

Winnebago—Plants were all standing perfectly at this location due to the fact that they were relatively short. Rainfall was limited during July and August. There was very little evidence of disease pressure at harvest. Seed size was average and internodes were close together. Eric Swanson said the surrounding field averaged 57 bu. per acre, making this test, at 55.5 bu. per acre, representative of the area.

2.1-2.8 Maturity Group

Top 20 of 63 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Janesville	Miles	Warren	Winnebago
FS Hisoy Channel	HS 22A21 2306R2	RR2Y	2.2	R	CMB	66.8	12.3	1	868	50.7	81.4	76.4	58.6
Dyna-Gro	S25RY44	RR2Y	2.5	R	ACi	66.1	11.9	1	859	56.0	68.1	74.9	65.3
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CMBV	65.2	12.2	1	848	52.8	72.7	73.6	61.6
NuTech/G2 Gen	7273^	RR	2.7	R	SCE	64.9	12.4	1	844	58.2	66.1	75.5	59.6
FS Hisoy	HS 24A01	RR2Y	2.4	S	CMB	64.5	12.2	1	839	53.7	73.1	75.1	55.9
Dairyland	DSR-2411/R2Y	RR2Y	2.4	S	CMB,O	64.2	12.2	1	835	47.2	74.1	74.7	60.8
Renk	RS241R2	RR2Y	2.4	S	CMB,O	63.6	12.1	1	827	51.2	70.3	73.5	59.4
Dyna-Gro	S24RY73	RR2Y	2.4	R	ACi	63.4	11.8	1	824	49.6	68.8	77.0	58.2
Cornelius	CB26R37	RR2Y	2.6	R	None	63.1	12.3	1	820	54.6	65.9	75.2	56.7
Renk	RS274NR2	RR2Y	2.7	R	None	63.0	12.3	1	819	52.2	66.5	72.8	60.5
Stine	22RD00 \$	RR2Y	2.2	MR	CMB	62.7	12.2	1	815	48.0	73.4	70.7	58.8
Jung	1232RR2	RR2Y	2.3	S	None	62.7	12.2	1	815	50.9	71.4	73.1	55.2
Jung	1228RR2	RR2Y	2.2	R	ACi	62.6	12.1	1	814	50.4	69.4	72.0	58.7
Asgrow	AG2232 \$	RR2Y	2.2	R	ACi	62.5	12.2	1	813	58.0	68.8	67.8	55.2
Great Lakes	GL2319R2	RR2Y	2.3	R	AC,PV	62.5	12.4	1	813	53.1	73.8	71.2	51.7
Cornelius	CB24R99	RR2Y	2.4	S	None	62.3	12.2	1	810	45.9	67.1	76.7	59.3
Great Lakes	GL2289R2	RR2Y	2.2	R	AC,PV	62.1	12.2	1	807	50.5	69.8	70.6	57.6
Pioneer	92M52 \$	RR	2.5	R	EE,G	61.7	12.1	1	802	48.7	65.4	77.8	54.8
Cornelius	CB22R60	RR2Y	2.2	R	None	61.6	12.2	1	801	50.9	68.0	70.2	57.4
Site Averages =			60.0	12.2	1	780	45.6	67.4	71.4	55.5			
LSD (0.10) =			5.2	0.3	ns	7.3	5.7	5.8	4.4				

FIRST Illinois North Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Grand Ridge	silty clay loam	conventional	15	5/18	153.4	medium	4.33
Malta	silty clay loam	minimum	15	5/19	124.1	low	4.67
Milledgeville	silt loam	conventional	15	5/18	151.0	medium	1.53
Walnut*	silt loam	conventional	15	5/18	158.2	low	2.23

Rainfall obtained on-site (*denoted) or estimated from www.weatherplot.com



Jason Beyers, FIRST Manager

Soybean Stats:

Yield Range: 66.9-77.4 bu. per acre
 Yield Average: 71.8 bu. per acre
 Top \$ Per Acre: \$1,045

Soybean Field Notes: Illinois North

Grand Ridge—This location started off great, but then rainfall during late July and August was limited. The yield levels that are present are surprising. The plants were relatively short and all were standing perfectly. There was very little evidence of disease present at the time of harvest. Dave and Christ Thomas said that yield levels in surrounding fields ranged from 55 bu. per acre to 75 bu. per acre; the average yield from this test was 72.4 bu. per acre with a top performer harvesting 79.4 bu. per acre.

Malta—Weather after planting did hurt the emergence of some varieties here on the Malta test

plot, but most products compensated well during the season. Rainfall was limited from late July to early August. All plants were short, with the tallest variety being only 30" tall. There was no disease present at harvest. Seed size was larger than average and plants had short internodes with good pod set on the upper two-thirds of the plant. The average yield here was 66.5 bu. per acre.

Milledgeville—This location was another good test this year. Most of the later-maturity varieties still had green stems. There was no disease that could be found in this test. Most plants were 42" or taller, with long internodes. Seed

size was larger than average and I found a few varieties with pods containing four soybeans. This site was fortunate when it came to rainfall while some of the surrounding areas were not as lucky.

Walnut—FIRST farmer Alan Dale commented that this site received more rainfall the weekend prior to harvest than it did throughout the entire growing season. Yield levels, which averaged 73.9 bu. per acre, were surprising, to say the least. There was no evidence of disease pressure at the time of harvest. Plants here were average in height with good pod set, and seed size was medium to large depending on the variety.

2.4-3.3 Maturity Group

Top 20 of 63 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Grand Ridge	Malta	Milledgeville	Walnut
Steyer	2805R2	RR2Y	2.8	MR	SStd	77.4	12.8	5	1045	79.4	72.7	78.9	78.6
Asgrow	AG2632 §	RR2Y	2.6	MR	AC	77.1	12.8	5	1041	78.4	73.3	79.4	77.3
Renk	RS314NR2	RR2Y	3.1	R	None	76.9	13.1	6	1038	77.9	66.4	83.1	80.0
Dairyland	DSR-3216/R2Y	RR2Y	3.2	R	CMB,O	76.0	14.5	11	1026	73.4	66.7	79.7	84.0
Cornelius	CB31R64	RR2Y	3.1	R	None	75.7	13.0	4	1022	78.5	67.4	82.7	74.2
LG Seeds	C2916R2	RR2Y	2.9	R	AC,PV	75.5	12.7	5	1019	77.2	70.6	81.1	73.2
NuTech/G2 Gen	7310^	RR	3.1	R	SCE	75.0	13.0	7	1013	75.7	66.1	79.2	78.9
NuTech/G2 Gen	7323^	RR	3.2	R	SCE	74.5	13.4	8	1006	77.4	68.5	74.9	77.0
Asgrow	AG3231 §	RR2Y	3.2	R	ACi	74.4	13.2	3	1004	70.9	69.1	80.7	77.0
Cornelius	CB24R71	RR2Y	2.4	R	None	74.4	12.6	7	1004	73.9	70.6	76.5	76.5
FS Hisoy	HS 28A32	RR2Y	2.8	R	CMB	74.3	12.6	3	1003	74.5	72.7	78.1	71.9
Channel	3106R2	RR2Y	3.1	MR	ACi	74.3	13.3	4	1003	68.8	71.4	78.9	78.0
FS Hisoy	HS 29A38	RR2Y	2.9	R	CMB	74.0	13.7	7	999	70.3	71.5	80.1	74.0
Steyer	2702R2	RR2Y	2.7	MR	SStd	73.9	12.5	11	998	70.5	71.4	75.3	78.5
LG Seeds	C3220R2	RR2Y	3.2	R	AC,PV	73.4	14.4	10	991	71.9	62.0	80.3	79.2
Dyna-Gro	S29RY74	RR2Y	2.9	R	ACi	72.9	12.9	6	984	65.5	74.0	73.1	78.9
Stine	29RD22 §	RR2Y	2.9	R	CMB	72.8	13.0	5	983	74.7	68.8	75.2	72.5
Dairyland	DSR-3019/R2Y	RR2Y	3.0	R	CMB,O	72.8	13.6	9	983	68.7	69.2	80.0	73.4
Dyna-Gro	S31RY93	RR2Y	3.1	R	ACi	72.7	14.4	7	981	72.4	59.7	77.5	81.3
Pfister	28R21	RR2Y	2.8	R	CMB	72.6	12.7	10	980	72.2	71.0	68.4	78.6
Site Averages =			71.8	12.8	7	969	72.0	66.5	74.7	73.9			
LSD (0.10) =			4.8	0.8	6	5.1	5.6	4.4	6.1				



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FIRST Indiana North Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Howe	sandy loam	conventional	15	5/15	165.8	n/a	1.40
La Crosse	sandy clay loam	conventional	15	5/15	174.4	n/a	4.82
Monroe*	clay loam	conventional	15	5/13	183.4	n/a	3.15
Wolcott*	silt loam	conventional	15	5/16	184.9	n/a	0.30

Rainfall obtained on-site (*denoted) or estimated from www.weatherplot.com



Rich Schleuning, FIRST Manager

Soybean Stats:

Yield Range: 61.1-73.5 bu. per acre
 Yield Average: 68.6 bu. per acre
 Top \$ Per Acre: \$937

Soybean Field Notes: Indiana North

Howe—The crop here got up and going with hard early vigor. Plants were tall, ranging from 38" to 53" high, with high lodging scores as a result. After lodging, some were just over a foot tall. Anthracnose hit some varieties hard, creating black speckles on pods and stems and even causing early death while the plants still retained leaves. The first pod cluster was 5" above the ground; all other clusters were spaced 2" to 3" apart or more. Pods at the top of the plants were starting to shatter open.

La Crosse—There was some water ponding early in the season that stunted and shortened plants. Plant heights ranged from

18" to 41" tall. The first pod set was 3" to 4" off the ground and node spacing was 1" to 1.5" on the lower part of the plants and 3" or more on upper plant portions. Seed size was fair for the conditions, which included light moisture from rain in August. Pod count varied from three to five pods per node. A few stink bug-damaged soybeans, fully green with no pods, were observed here.

Monroe—At planting, this area was getting dry, forcing a 2" seeding depth. There was some low-area ponding that shortened soybean height to a range of 21" to 49" tall. Pod set was good and heavy, with good node set and

soybean size. Late-season wind lodged tall soybeans, as reflected in the lodging scores. This is the first location that did not have any stink bug feeding or other insect pressure.

Wolcott—Emergence was good; the final stand was at or just below the seeding rate. The crop stood well at harvest, as some plant heights were over 50" tall. Seed size and pod fill was sporadic this season. Soybean size ranged from normal down to the size of BBs. The soybean count per pod ranged from zero to four. The month of August was very dry in this area with just over 0.3" of total rainfall.

2.4-3.4 Maturity Group

Top 20 of 54 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Howe	La Crosse	Monroe†	Wolcott
Dairyland	DSR-3232/R2Y	RR2Y	3.4	MR	CMB,O	73.5	13.4	2	937	84.5	58.0	95.2	56.4
LG Seeds	C3466R2	RR2Y	3.4	R	AC,PV	73.3	13.2	2	934	83.4	56.9	96.3	56.6
NK Brand	S34-Z1 §	RR2Y	3.4	R	CMBV	72.9	14.2	5	928	79.1	58.4	99.1	54.8
Steyer	3103R2	RR2Y	3.1	MR	SStd	72.5	13.3	4	924	79.5	56.4	98.0	55.9
FS Hisoy	HS 33A32	RR2Y	3.3	R	CMB	72.4	12.6	2	923	81.2	55.2	97.4	55.8
Ebberts	2324RR2	RR2Y	3.2	MR	ACi	72.1	13.5	6	919	85.5	55.3	94.0	53.6
Steyer	2805R2	RR2Y	2.8	MR	SStd	72.0	13.8	2	917	78.5	56.9	94.8	57.7
Seed Consultants	SCS 9314RR	RR	3.1	R	EE,G	71.4	13.4	4	910	79.9	62.6	87.5	55.5
NK Brand	S35-C3	RR2Y	3.5	R	CMBV	71.3	13.9	4	908	75.4	57.5	95.2	57.1
Dairyland	DSR-3216/R2Y	RR2Y	3.2	R	CMB,O	71.0	13.1	7	905	79.0	59.1	91.4	54.4
Asgrow	AG3231 §	RR2Y	3.2	R	ACi	70.6	13.5	1	899	82.5	51.5	92.4	55.9
FS Hisoy	HS 31A32	RR2Y	3.1	R	CMB	70.4	13.6	4	897	75.4	55.8	91.9	58.4
LG Seeds	C3220R2	RR2Y	3.2	R	AC,PV	70.3	13.4	3	896	76.5	55.5	95.8	53.2
Ebberts	2342RR2	RR2Y	3.4	MR	ACi	70.2	13.0	11	895	72.6	61.7	91.8	54.8
Asgrow	AG2632 §	RR2Y	2.6	MR	AC	70.2	13.5	5	894	77.9	51.2	91.2	60.5
Ebberts	2333RR2	RR2Y	3.3	MR	ACi	69.9	13.1	5	891	71.5	60.8	97.4	49.9
Ebberts	2364RR2	RR2Y	3.4	MR	ACi	69.8	12.3	5	890	72.5	60.2	91.7	54.8
Seed Consultants	SCS 9328RR	RR	3.2	S	EE,G	69.8	13.6	7	889	76.6	54.1	95.2	53.2
Stine	26RD02 §	RR2Y	2.6	R	CMB	69.6	13.6	5	887	79.4	52.0	93.0	54.1
LG Seeds	C2916R2	RR2Y	2.9	R	AC,PV	69.4	13.7	4	884	74.6	54.3	93.9	54.6
Site Averages =						68.6	13.4	4	874	75.4	55.1	90.4	53.5
LSD (0.10) =						4.4	0.5	4		7.6	5.0	7.1	4.0

† = 2 replications

FIRST Ohio Northwest Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Bloomdale*	clay loam	no-till	30	6/1	105.6	n/a	2.99
Dunkirk*	sandy clay loam	no-till	30	5/22	96.9	n/a	3.17
McComb*	sandy clay loam	conventional	30	5/23	105.1	n/a	3.30
New Bavaria*	clay loam	no-till	30	5/22	105.2	n/a	2.00

Rainfall obtained on-site (*denoted) or estimated from www.weatherplot.com



Rich Schleuning, FIRST Manager

Soybean Stats:

Yield Range: 38.7-48.1 bu. per acre
 Yield Average: 42.9 bu. per acre
 Top \$ Per Acre: \$613

Soybean Field Notes: Ohio Northwest

Bloomdale—The excessive rainfall totals all season hurt this area. Plant heights ranged from 18" to 36" tall. The field tile lines were evident because taller plants were located over them. The shorter plants were heavily podded with the nodes just stacked on top of each other. Area bushels per acre ranged from the mid-30s to mid-40s, consistent with the 34.6 bu. per acre average harvested on this test.

Dunkirk—Planting later than normal along with having an extremely wet spring prevented top yields here. Due to water stress, the norm in the area this season for average bushels per acre was

in the 40s. Soybean plants were short, which minimized lodging. Despite having dry soybeans and pods at harvest, the pods were tough to crack open, making harvest more challenging than usual.

McComb—It is nice to receive rain, but receiving what is usually a total for an entire month in one shot is too much! The 5" received the week before harvest did cause some pod shatter to occur. There was some early-season water ponding that stunted some test plots. The field surrounding our test averaged 45 bu. per acre. In this area, soybean yields ranged from the high 30s to the mid-50s bu. per acre.

New Bavaria—Water ponding in areas of the field shortened plant height and prevented pod set on plant bottoms, resulting in reduced final yield on this plot. One replication was dropped to minimize this impact on results. Plant heights ranged from 19" to 50" tall. Pod set was good with most plants having 34 nodes spaced an inch apart. Plant health was good, with no disease or insect damage. The average yield in the surrounding field was 47 bu. per acre and this test averaged 49.4 bu. per acre. Grain moistures were good despite some plants having green stems and some green leaves.

2.4-3.4 Maturity Group

Top 20 of 48 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Bloomdale†	Dunkirk	McComb	New Bavaria†
Ebberts	2364RR2	RR2Y	3.4	MR	ACi	48.1	11.8	1	613	44.3	42.4	52.3	53.2
Steyer	3403R2	RR2Y	3.4	MR	SStd	47.2	11.8	1	602	34.9	45.7	50.5	57.6
Ebberts	2313RR2	RR2Y	3.1	MR	ACi	46.6	11.9	1	594	38.6	39.6	57.0	51.0
Steyer	3103R2	RR2Y	3.1	MR	SStd	46.3	11.9	1	590	32.2	37.1	54.9	60.8
Dairyland	DSR-3216/R2Y	RR2Y	3.2	R	CMB,O	45.8	11.8	1	584	33.0	40.4	51.6	58.0
Steyer	2805R2	RR2Y	2.8	MR	SStd	45.7	11.7	1	583	38.4	41.0	51.8	51.5
Dairyland	DSR-3232/R2Y	RR2Y	3.4	MR	CMB,O	45.7	11.9	1	583	36.8	39.3	51.3	55.3
Specialty	3200CR2	RR2Y	3.2	MR	AC,PV	45.6	11.8	1	581	35.2	43.0	50.7	53.4
Great Lakes	GL3229R2	RR2Y	3.2	R	AC,PV	44.7	11.8	1	570	38.3	41.8	47.5	51.3
Ebberts	2324RR2	RR2Y	3.2	MR	ACi	44.6	11.8	1	569	34.1	42.1	50.7	51.3
Ebberts	2342RR2	RR2Y	3.4	MR	ACi	44.6	11.9	1	569	35.6	42.4	49.9	50.5
Asgrow	AG2933 §	RR2Y	2.9	R	ACi	44.5	11.8	1	567	42.2	36.2	53.8	45.8
Great Lakes	GL2949R2	RR2Y	2.9	R	AC,PV	44.3	11.8	1	565	39.8	38.7	50.9	47.8
Ebberts	2304RR2	RR2Y	3.0	MR	ACi	43.5	11.8	1	555	31.3	39.5	52.9	50.4
NK Brand	S29-V2	RR2Y	2.9	R	CMBV	43.4	11.7	1	553	37.0	40.4	48.5	47.7
Ebberts	2333RR2	RR2Y	3.3	MR	ACi	43.4	11.8	1	553	32.6	43.3	46.3	51.5
Steyer	2703R2	RR2Y	2.7	MR	SStd	43.3	11.8	1	552	33.4	38.9	50.8	50.0
Dairyland	DSR-3019/R2Y	RR2Y	3.0	R	CMB,O	43.3	11.8	1	552	35.7	40.2	46.3	51.1
Steyer	3205R2	RR2Y	3.2	MR	SStd	43.3	11.8	1	552	32.8	41.0	54.5	45.0
LG Seeds	C3220R2	RR2Y	3.2	R	AC,PV	43.3	12.0	1	552	37.2	40.9	51.0	44.1
Site Averages =			42.9	11.8	1	547	34.6	38.3	49.2	49.4			
LSD (0.10) =			3.7	0.1	ns		5.2	4.9	5.4	7.0			

† = 2 replications



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