Special Sponsored Section 2013

Heartland Edition

Farmer's Independent Research of Seed Technologies

FIRST

Evaluating Corn Hybrids and Soybean Varieties









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

first
farmer's independent research of seed technologies

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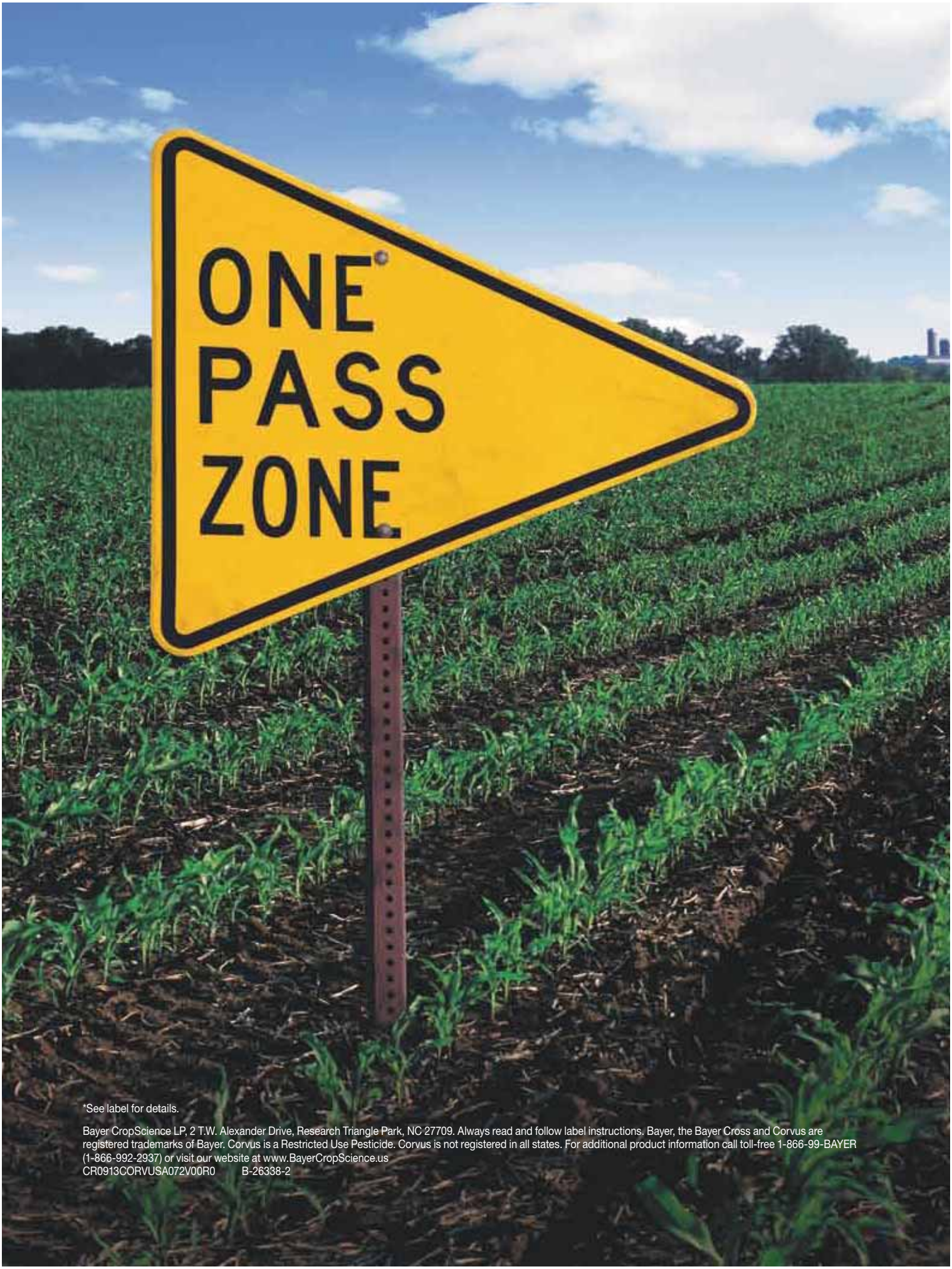

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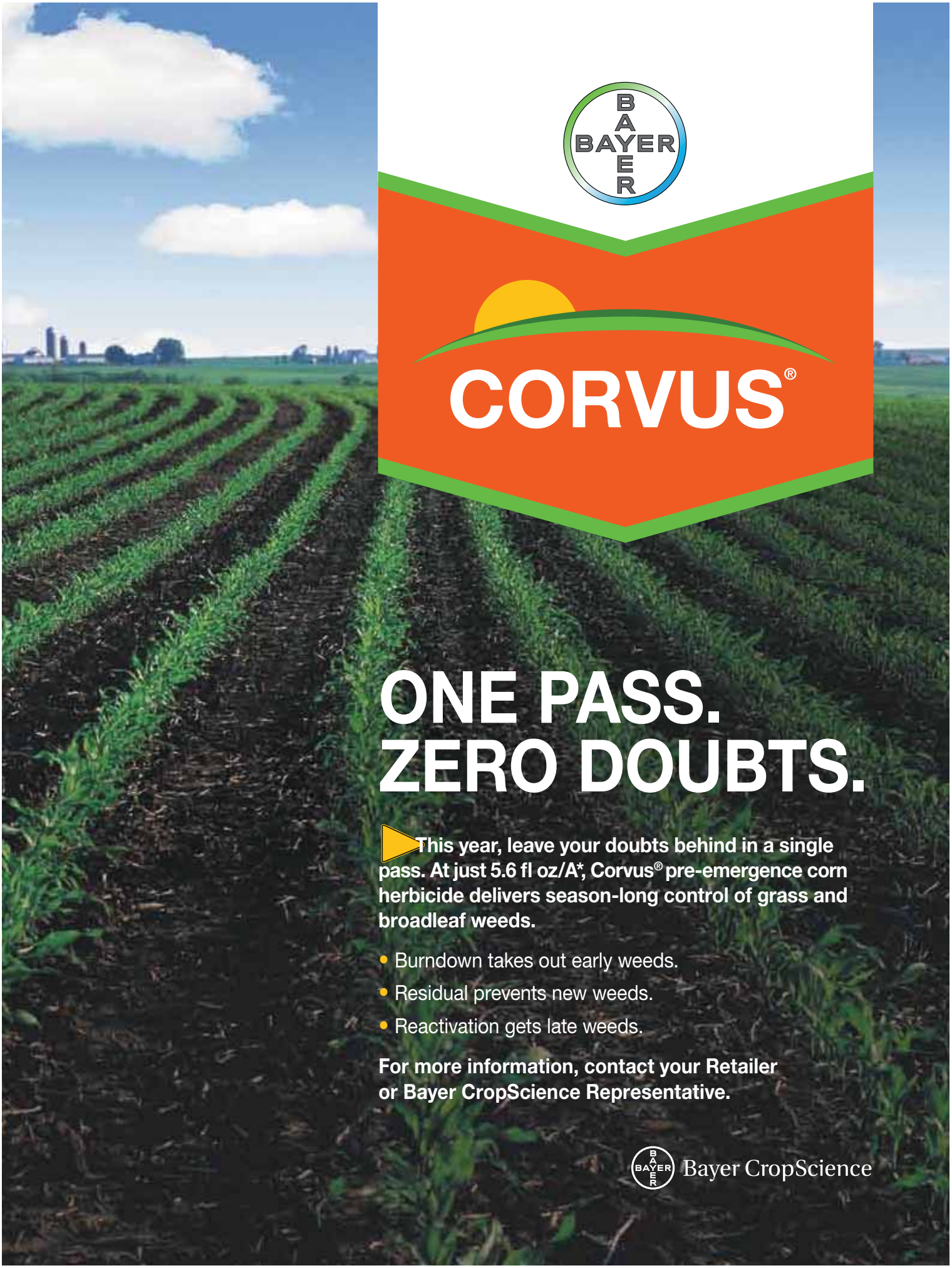
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How to Interpret FIRST Trials

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 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.

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 Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® 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®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer.

ns – not significant

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

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

first farmer's independent research of seed technologies

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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® TRIsect® (HX,RW,LL,RR2)
RR	Roundup Ready® soybeans
RR2	Roundup Ready® 2 Corn
RR2Y	Genuity® Roundup Ready 2 Yield® soybeans
STS	STS® - sulfonylurea 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	Gaucho®
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.*

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
INSO	215	137	192	162	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

	(% of entries containing traits)			
	2013	2012	2011	2010
Traits Tested				
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
Refuge Blends Tested				
Blend	51.6	10.1	0.9	—
Non-Blend	48.4	89.9	99.1	—
Key Technologies Tested				
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

*Triple stack = CB + RW + herbicide tolerant trait

— items not available or not tested

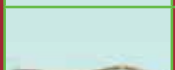
Soybean Technologies Tested

	(% of entries)			
	2013	2012	2011	2010
Traits Tested				
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

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.

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Photos courtesy of J. Eisenback, Virginia Tech University.

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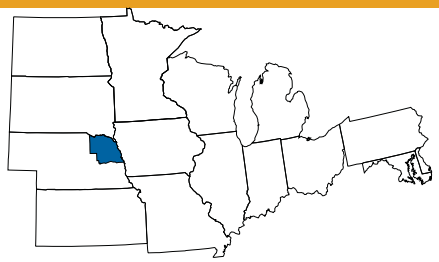
Tim Dozier, FIRST Manager



Corn Stats:
Yield Range: 188.5-248.6 bu. per acre
Yield Average: 217.9 bu. per acre
Top $ Per Acre: $1,059

Corn Field Notes: Nebraska Northeast

Columbus—This irrigated corn-on-corn site was planted May 14 into great soil conditions and had excellent emergence. Plants were tall and showed very little disease pressure, due in part to a timely fungicide application. Plants were standing well overall at harvest with high ear placement and no lodging. Pollination was good and provided ears filled with deep kernels to the cob tip. Average yield from this trial was 235.7 bu. per acre in the early-season test and 238 bu. per acre in the full-season test.

Dodge—The test site was standing well with little lodging at harvest. However, stress from early summer hurt stalk quality. Wind with a little precipitation would cause lodging. The crop got off to a good start and early plant health allowed it to endure the dry weather so that it could take advantage of timely rain later. No gray leaf spot was noticed at harvest. Corn finally dried down and shelled off of the cob easily.

Hartington—Good emergence got this northeast Nebraska site off to a great start. Plant populations were on the high side for dryland corn but resulted in very good yields. A light infestation of gray leaf spot was noticed at harvest but was not strong enough to affect yield. Corn grain moistures finally started dropping, even with the weekly rain near harvest. The yield difference between tests is due to soil change. The early-season test is on a hill crest and the full-season test is in a valley.

Laurel—Good growing conditions started this site off right. Early-season moisture and low July temperatures were a welcome change from the drought of last year. Weed control was excellent. There was no disease or insect pressure noticed. Very little lodging was recorded but stalk quality was declining. Corn harvest in the area was just beginning at press time in mid-November, so a little wind and rain could create lodging problems for nearby fields.

Scribner—Early-season moisture and ideal planting conditions delivered excellent seedling emergence on the Scribner test plot. Follow that up with ample irrigation and it created excellent growing conditions for this no-till site. Overall plant health was very good. We had near-perfect conditions at harvest and no lodging was observed. Weed control was excellent as well. No gray leaf spot was noticed at harvest.

Wisner—On this test site, good stand establishment was helped by early-season rain and mild temperatures. Dry summer conditions hurt yields randomly in many plots; hybrids would frequently yield well in one or two replications, then have poor yield (often with barren ears) in the other replication(s). Poor stalk quality and late-season wind and rain resulted in considerable stalk lodging but did not hurt the harvestability. The cause of the performance inconsistency is unknown. Fall-applied manure, soil compaction or subsoil changes impacting water availability could be factors impacting results at this site, which has flat and uniform-appearing soil. Results here were rejected due to the high variability.

Site Information						2013 Rainfall (inches)					
Nebraska Northeast						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Columbus	silt Loam	conventional	corn, 2+ yr	250	5/14	9.87	6.58	2.07	6.19	-1.45	2.86
Dodge	silty clay loam	conventional	soybean	165	5/15	7.07	8.79	3.36	4.29	-0.20	0.80
Hartington	silt loam	no-till	soybean	157	5/14	7.59	6.24	2.82	7.85	-0.40	4.99
Laurel	silty clay loam	no-till	soybean	187	5/13	7.61	4.36	2.81	7.03	-0.30	3.94
Scribner	silty clay	no-till	soybean	180	5/15	6.12	7.28	2.03	3.72	-1.53	0.23
Wisner	silt loam	no-till	corn	180	5/15	6.17	10.12	1.50	4.67	-2.14	0.68

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

FIRST Nebraska Northeast Corn Results

EARLY-SEASON TEST 105-110 Day CRM — **Top 30 of 48 tested**

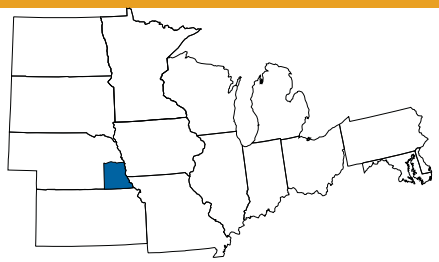
Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Columbus	Dodge	Hartington	Laurel	Scribner	Wisner#
Heine	790VT3Pro	VT3P	AC,P2	106	**232.0**	18.5	0	1,001	1	**265.9**	221.3	194.5	**240.6**	**237.8**	136.9
Channel	209-53STXRIB	STX,B	AC,P5V	109	**231.9**	18.6	0	999	2	251.0	229.3	200.4	**238.6**	**240.0**	**222.6**
Augusta	A4658GT3110	3110	CE,C2	108	**227.8**	18.6	0	982	3	235.8	**236.9**	191.3	**235.7**	**239.1**	97.5
Curry	630-42	HX,RR2	MQ,C2,R	110	**227.0**	18.8	0	977	4	242.2	**237.8**	209.2	222.8	222.9	143.0
Renk	RK776VT3P	VT3P	AC,P2	107	225.6	18.5	0	973	5	253.7	224.6	200.7	209.9	**238.9**	128.7
Kruger	K4R-9911	STX,B	AC,P5V	110	223.8	18.2	0	967	6	255.2	207.7	199.0	232.4	224.8	170.9
Dyna-Gro	D49VP88	VT3P	AC,P5V	109	223.8	18.4	0	966	7	234.6	227.5	192.3	**239.8**	224.8	162.4
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	223.8	18.7	0	964	8	254.5	221.1	185.8	231.8	226.0	67.5
Heine	838STX	STX	AC,P2	110	223.2	19.3	0	958	9	250.9	224.9	179.6	232.1	228.6	**224.9**
NuTech/G2 Gen	5H-707	HX,RR2	MQ,P1V,R	107	220.0	18.2	0	950	10	241.8	220.7	187.4	230.7	219.2	155.3
Channel	210-95STXRIB	STX,B	AC,P5V	110	219.2	18.6	0	945	11	245.8	213.8	186.1	226.0	224.2	**213.8**
Pioneer	P0876HR GC	HX,RR2	MQ,C2	108	219.0	19.1	0	941	16	240.8	224.5	191.9	214.0	223.6	118.3
NuTech	5B-410	GT/CB/LL	MQ,C2	110	218.7	18.1	0	945	12	229.9	229.9	203.8	221.1	209.0	103.9
Renk	RK791SSTX	STX,B	AC,P2	108	218.6	18.1	0	945	13	238.6	211.4	184.4	228.5	229.9	179.0
Kruger	KR-7709	VT3P,B	AC,P5V	109	218.6	18.4	0	943	14	234.5	228.1	**210.5**	192.2	227.9	140.1
Renze	2293-3000GT	3000GT	CM,C2	109	218.2	18.3	0	942	15	225.7	224.8	185.2	213.5	**241.9**	163.5
Augusta	A5658GTCBLL	GT/CB/LL	CE,C2	108	217.1	18.5	0	936	17	232.4	226.1	186.9	205.1	235.0	107.4
Dekalb	DKC58-83 GC	VT3P	AC,P2	108	216.0	17.7	0	936	18	247.1	209.2	188.2	216.7	218.8	114.6
Producers	7014VT3PRIB	VT3P,B	AC,P5V	110	215.0	18.1	0	929	20	247.6	201.9	190.4	213.2	221.8	121.0
Heine	798STX	STX	AC,P2	107	215.0	18.2	0	929	21	253.4	192.6	198.7	216.6	213.6	**202.9**
Pioneer	P0987HR GC	HX,RR2	MQ,C2	109	214.6	18.8	0	924	24	238.3	216.3	186.8	216.3	215.1	97.9
Heine	747STX	STX	AC,P2	106	214.4	18.0	0	927	22	251.1	226.1	158.6	213.9	222.3	**210.1**
AgriGold	A6416STX	STX	AC,P5V	107	214.1	18.1	0	925	23	**259.0**	223.1	174.8	206.4	207.4	**203.5**
Kruger	K4R-9306	STX,B	AC,P5V	106	213.9	18.8	0	921	26	219.1	228.1	181.1	217.7	223.4	186.1
Producers	6734VT3Pro	VT3P	AC,P5V	107	213.5	17.8	0	924	25	255.2	220.7	172.4	207.9	211.5	155.8
Kruger	K4R-9708	STX,B	AC,P5V	108	212.9	18.0	0	921	27	228.0	211.2	196.6	214.1	214.7	187.8
Golden Harvest	G07V88-3000GT GC	3000GT	CM,C2	107	212.9	18.1	1	920	28	219.6	221.5	177.4	231.1	214.9	123.8
Curry	828-46	AMX-R,B	MQ,C2,R	108	212.6	18.6	0	916	30	255.2	207.7	192.3	192.6	215.4	181.1
Titan Pro	TP 39-05 SS	STX	AC,P2,Z	105	212.0	17.9	0	917	29	223.7	199.3	184.8	223.0	229.3	186.9
Renk	RK797SSTX	STX	AC,P2	109	211.5	18.0	0	915	31	244.2	208.5	183.7	207.0	214.0	**209.2**
Golden Harvest	G11U58-3111 CK	3111	CM,C2	111	217.3	19.3	0	933	19	239.0	208.6	171.4	**234.5**	232.9	121.8
Test Average =					**214.0**	**18.3**	**0**	**924**		**235.7**	**214.8**	**185.3**	**213.3**	**220.9**	**150.6**
LSD (0.10) =					12.1	0.6	1			20.9	19.0	24.1	19.3	16.3	41.1

FULL-SEASON TEST 111-114 Day CRM — **Top 30 of 36 tested**

Producers	7268STX	STX	AC,P5V	112	**248.6**	20.6	0	1,059	1	**266.1**	**246.8**	**247.7**	**236.0**	**246.5**	**229.6**
Heine	852VT3Pro	VT3P	AC,P2	111	**247.0**	20.2	0	1,055	2	248.4	**248.7**	**247.4**	234.4	**256.0**	220.9
Kruger	K4R-9813	STX,B	AC,P5V	113	**236.4**	19.8	0	1,012	3	**264.4**	221.2	223.3	**237.0**	236.1	202.4
AgriGold	A6499STX	STX	AC,P5V	112	**235.4**	20.3	0	1,005	4	254.0	213.4	233.5	**239.2**	**237.0**	**236.1**
Kruger	KR-7913	VT3P,B	AC,P5V	113	**233.7**	19.7	0	1,001	5	**257.9**	212.4	219.0	**243.0**	236.0	161.6
NuTech/G2 Gen	5F-811AM	AM,B	MQ,C2	111	**232.9**	19.9	0	996	6	**259.6**	228.2	233.9	224.8	218.1	137.7
Curry	113EXP	HX,RR2	MQ,C2,R	113	**231.4**	19.9	0	990	7	**260.3**	212.5	211.0	**238.3**	235.0	205.1
Pioneer	P1498HR GC	HX,RR2	MQ,C2	114	230.3	20.0	0	985	8	**261.3**	218.8	215.0	232.9	223.5	162.7
Renk	RK922SSTX	STX,B	AC,P5V	114	230.1	20.5	0	981	9	242.1	214.8	224.5	**237.9**	231.3	205.6
Channel	213-59STXRIB	STX,B	AC,P5V	113	228.0	19.5	0	978	10	**258.6**	197.2	226.2	231.7	226.5	**222.5**
Dekalb	DKC64-69 GC	VT3P	AC,P2	114	226.4	19.4	0	971	11	230.5	**237.5**	221.1	223.7	219.3	187.7
Kruger	K4R-9812	STX,B	AC,P5V	112	226.4	20.0	0	968	12	251.8	201.0	218.6	234.9	225.8	204.2
Kruger	K4R-9512	STX,B	AC,P5V	112	225.0	19.7	0	964	13	247.1	218.2	224.3	216.0	219.2	**221.7**
Titan Pro	TP 39-11 SS	STX	AC,P5V	111	224.6	20.4	0	958	14	247.9	219.4	218.3	217.7	219.6	216.4
Renze	3332SST	STX	CM,C2	111	222.8	19.3	0	956	15	232.8	219.7	213.2	225.1	223.0	206.2
Heine	859-3000GT	3000GT	CM,C2	112	222.0	20.7	0	945	18	214.9	228.0	222.9	220.1	224.2	180.4
NuTech/G2 Gen	5Z-612	OI	MQ,P1V,R	112	221.8	19.4	0	952	16	245.2	219.7	213.3	218.2	212.8	142.7
Heine	839STX	STX	AC,P2	111	221.7	20.2	0	947	17	232.3	210.6	228.6	219.8	217.2	217.0
Renk	RK866SSTX	STX	AC,P2	111	220.2	19.6	0	944	19	229.9	209.6	224.6	220.4	216.6	210.1
Channel	213-40VT3PRIB	VT3P,B	AC,P5V	113	219.6	20.0	0	939	20	226.7	216.4	210.6	218.7	225.6	196.2
Renk	RK858VT3P	VT3P	AC,P2	113	219.5	20.0	1	938	21	220.7	208.5	220.4	215.3	232.8	132.8
Titan Pro	2M13-2P	VT2P,B	AC,P2,Z	113	218.6	19.4	0	938	22	232.9	217.7	205.9	210.2	226.2	186.6
Titan Pro	TP 36-12 2P	VT2P	AC,P2,Z	112	216.5	19.9	1	926	24	232.0	205.7	212.7	234.4	197.8	178.1
Heine	824VT3Pro	VT3P	AC,P2	111	215.5	19.2	0	926	25	238.2	204.9	207.2	219.9	207.4	155.6
AgriGold	A6573VT3PRIB	VT3P,B	AC,P5V	114	215.0	19.9	0	920	26	214.6	220.7	211.6	216.9	211.1	172.2
Renze	CX35114	HX,RR2	CM,C2	114	213.6	19.6	0	915	27	227.9	218.1	202.6	215.7	203.9	105.7
LG Seeds	LG2602VT3PRIB	VT3P,B	AC,P5V	112	212.3	19.0	0	913	28	230.1	207.0	207.0	208.5	208.9	173.7
LG Seeds	LG2620VT3PRIB	VT3P,B	AC,P5V	113	211.9	19.1	0	911	29	229.8	204.2	206.0	200.5	219.2	167.9
Titan Pro	82A13GLV	3111	CM,C2,Z	113	211.9	19.3	0	910	30	225.5	204.6	214.2	207.6	207.5	182.8
AgriGold	A6553VT3PRIB	VT3P,B	AC,P5V	114	210.5	19.4	1	903	31	224.9	212.6	201.9	209.1	204.1	134.5
Golden Harvest	G11U58-3111 CK	3111	CM,C2	111	218.3	19.3	0	937	23	224.9	223.4	209.9	223.7	209.7	173.6
Test Average =					**221.8**	**19.7**	**0**	**950**		**238.0**	**215.2**	**216.1**	**219.7**	**220.2**	**183.3**
LSD (0.10) =					9.5	0.6	1			18.1	17.6	19.3	16.1	16.6	37.9

= rejected results, not included in summary

Adam Stuteville, FIRST Manager



Corn Stats:
Yield Range: 163.0-205.3 bu. per acre
Yield Average: 183.9 bu. per acre
Top $ Per Acre: $893

Corn Field Notes: Nebraska Southeast

Beatrice—This site was planted into good soil moisture and emerged well. It went through a dry spell in June and July that shortened plant height. Late-July rains really boosted yields. Kernels were deep and ear placement was low but not low enough to limit ear harvestability. Just as with all other area corn, drydown was slow. No disease pressure and excellent weed control also helped yields.

Burr—This site was planted on May 14 and emerged very well. It looked good early in the season, then went through a dry spell in June that stressed it for a couple weeks. Rain in July and August helped with pollination and grain fill. Plants stood well at harvest. Ears were filled with kernels all the way to the tip with most hybrids having deep kernels. The average yields here were 155.3 bu. per acre in the early-season test and 152.7 bu. per acre in the full-season test.

Du Bois—This site was planted on April 29 into good moisture and it emerged well. It received a couple inches of snow shortly after planting but populations were still good. This test went through a dry spell in late May and June that shortened plant height a bit. July rain helped with pollination and grain fill. Some gray leaf spot was present. Stalks stood well at harvest but they were brittle. There were a few ears of corn on the ground that had fallen off of their plants.

Milford—This site was planted into good moisture on May 14 and had excellent emergence. A few timely rains after pollination really helped yields at this location. Corn was standing well at harvest but stalk quality was deteriorating. Low disease pressure and excellent weed control also helped boost yields here. Despite being planted in the middle of May, it took a long time for the grain to finally dry down to an acceptable level. This test was harvested on Nov. 5.

Springfield—Although a blanket of snow was on the field after an April 28 planting, emergence was great on the Springfield FIRST test site. Timely rain in May and early June in addition to some late-season irrigation resulted in excellent yields here. Plant height was very tall and ear placement was chest-high. Stalk quality was excellent with no lodging. Moderate gray leaf spot was noticed at harvest due to late-season irrigation. The average yield from this irrigated test was 251.7 bu. per acre in the early-season test and 255.2 bu. per acre in the full-season test.

Union—This site received 3" of snow shortly after planting but that did not impact seedling emergence. We received some timely rain events in June and July that most surrounding areas missed. These proved to have a big impact on final yield levels here. Pollination was excellent and the ears were completely filled to the tip with kernels. There was no ear-tip dieback here. There was a light presence of gray leaf spot but stalk quality was very good.

Site Information						2013 Rainfall (inches)					
Nebraska Southeast						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Beatrice	silty clay loam	no-till	wheat/soybean	152	5/14	8.62	4.55	1.96	5.60	-2.14	1.54
Burr	silty clay	conventional	soybean	160	5/14	10.18	7.90	1.74	2.98	-2.45	-1.14
Du Bois	silty clay loam	no-till	soybean	160	4/29	14.21	6.45	4.02	4.98	-1.02	0.94
Milford	silt loam	no-till	soybean	150	5/14	9.68	6.09	2.82	4.88	-0.84	1.49
Springfield	silt loam	no-till	soybean	170	4/28	8.89	6.73	1.60	1.33	-2.30	-2.73
Union	silt loam	no-till	soybean	190	4/28	9.42	7.07	1.53	1.26	-2.04	-1.96

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

FIRST Nebraska Southeast Corn Results

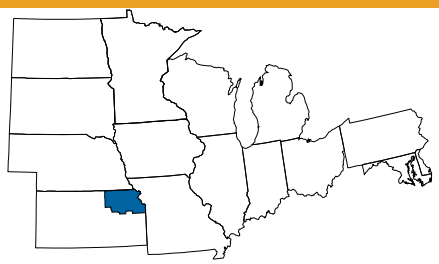
EARLY-SEASON TEST 107-112 Day CRM — **Top 30 of 36 tested**

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Beatrice	Burr	Du Bois	Milford	Springfield	Union
Producers	7268STX	STX	AC,P5V	112	**205.3**	18.3	0	754	10	164.4	**173.4**	165.4	183.3	**289.0**	**256.0**
AgriGold	A6499STX	STX	AC,P5V	112	**203.6**	18.1	0	758	7	164.4	**170.4**	**168.9**	176.2	**294.2**	**247.4**
NuTech/G2 Gen	5Z-1008	OI	MQ,P1V,R	111	**194.5**	17.2	0	768	4	**184.3**	150.9	161.6	181.8	264.3	224.3
Curry	630-42	HX,RR2	MQ,C2,R	110	192.6	16.8	0	780	2	151.2	**174.3**	**172.2**	174.1	263.6	220.3
Augusta	A5658GTCBLL	GT/CB/LL	CE,C2	108	190.9	17.1	0	759	6	157.5	156.3	**170.1**	174.6	**270.9**	216.1
NuTech/G2 Gen	5Z-612	OI	MQ,P1V,R	112	190.3	17.8	0	723	19	162.2	168.1	158.3	167.5	**275.6**	209.9
Mycogen	2V717	STX,B	CM,C2	111	190.1	17.0	0	760	5	156.9	167.6	**168.5**	180.7	**274.1**	192.8
Mycogen	2V709	STX,B	CM,C2	110	188.8	17.0	0	755	9	**176.7**	162.1	150.4	184.4	235.5	223.9
AgriGold	A6416STX	STX	AC,P5V	107	187.2	16.0	0	796	1	164.4	159.6	139.1	183.3	253.6	223.3
Kruger	KR-7709	VT3P,B	AC,P5V	109	187.2	17.0	0	749	11	161.5	168.2	146.1	170.4	**272.5**	204.6
Augusta	A4658GT3110	3110	CE,C2	108	186.8	16.8	0	757	8	153.1	167.7	145.0	179.0	**277.6**	198.2
Titan Pro	TP 36-12 2P	VT2P	AC,P2,Z	112	183.5	18.0	0	688	30	166.2	151.9	150.5	165.9	236.3	230.3
NuTech/G2 Gen	5H-610	HX,RR2	MQ,P1V,R	110	182.9	17.1	0	727	17	**180.9**	157.1	163.8	169.7	236.3	189.3
Stine	9740VT3Pro	VT3P	CM,C2	110	182.8	17.3	0	717	24	160.6	156.0	149.1	179.8	254.6	196.7
NuTech/G2 Gen	5F-811AM	AM,B	MQ,C2	111	181.8	17.2	0	718	22	150.9	149.1	164.0	177.6	239.1	210.3
Kruger	K4R-9708	STX,B	AC,P5V	108	181.2	16.6	0	743	12	161.7	148.2	139.9	166.3	242.2	228.7
NuTech	5B-410	GT/CB/LL	MQ,C2	110	180.9	16.6	0	742	13	155.7	159.8	153.3	**190.7**	258.0	167.6
Renk	RK860VT3P	VT3P	AC,P2	111	180.9	16.9	0	728	16	168.8	163.2	145.0	164.8	248.5	195.2
Renk	RK809GTCBLLRW	3000GT	CE,C2	110	179.3	16.7	0	731	15	151.7	150.4	154.4	164.7	260.1	194.3
Pioneer	P0987HR GC	HX,RR2	MQ,C2	109	178.8	17.1	0	711	27	146.2	156.1	159.1	174.2	243.7	193.3
Stine	9631VT3Pro	VT3P	CM,C2	109	176.1	16.5	0	726	18	163.3	144.4	134.0	172.7	232.7	209.2
Kruger	K4R-9911	STX,B	AC,P5V	110	175.0	16.6	0	718	23	139.3	147.3	141.0	160.2	251.7	210.6
Kruger	K4R-9512	STX,B	AC,P5V	112	174.7	17.3	0	686	31	157.0	153.1	138.9	163.3	241.6	194.2
LG Seeds	LG2602VT3PRIB	VT3P,B	AC,P5V	112	174.5	17.2	0	689	29	145.1	150.9	146.3	169.2	236.0	199.5
Producers	6884VT3PRIB	VT3P,B	AC,P5V	107	173.5	15.2	0	772	3	158.1	142.9	142.8	166.9	221.8	208.6
Channel	210-95STXRIB	STX,B	AC,P5V	110	172.6	16.4	0	716	25	136.2	150.5	133.0	159.6	251.2	204.9
Titan Pro	2M07-SS	STX,B	AC,P5V,Z	107	172.3	16.6	0	706	28	141.1	144.4	131.8	173.8	253.8	188.7
AgriGold	A6486VT2PRIB	VT2P,B	AC,P5V	111	171.1	16.2	0	719	20	166.0	151.3	137.0	163.9	219.0	189.3
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	170.6	15.8	0	734	14	144.3	144.4	125.9	175.0	224.8	209.1
Titan Pro	TP 39-09 SS	STX	AC,P2,Z	109	168.1	15.9	0	719	21	154.1	149.3	116.3	163.1	243.7	182.3
Dekalb	DKC61-88 CK	VT3P	AC,P2	111	179.7	17.1	0	714	26	159.8	158.7	148.5	185.5	241.1	184.5
Test Average =					**181.4**	**16.9**	**0**	**728**		**155.8**	**155.3**	**148.0**	**172.5**	**251.7**	**205.4**
LSD (0.10) =					11.3	0.7	ns			17.3	13.1	17.9	15.5	15.2	28.3

FULL-SEASON TEST 113-116 Day CRM — **Top 30 of 36 tested**

Augusta	A4564GENSS	STX	M,D,P5	114	**203.5**	19.5	0	893	1	171.6	150.8	165.7	173.0	**291.3**	**268.3**
Dyna-Gro	D55VP77	VT3P	AC,P5V	115	**202.8**	18.8	0	893	2	179.3	170.3	160.3	184.5	**281.7**	240.4
LG Seeds	LG5618STX	STX	AC,P5V	113	**200.0**	19.0	0	880	3	175.6	153.1	168.1	183.1	268.4	**251.9**
Kruger	K4R-9315	STX,B	AC,P5V	115	197.6	19.6	0	866	6	153.0	166.2	**177.4**	172.9	272.5	**243.7**
Pioneer	P1498HR GC	HX,RR2	MQ,C2	114	196.9	18.6	0	868	4	184.3	**172.7**	150.1	175.8	271.9	226.8
Kruger	KR-7913	VT3P,B	AC,P5V	113	196.5	18.4	0	868	5	**189.6**	**173.0**	133.4	179.0	260.3	**243.6**
AgriGold	A6659VT3Pro	VT3P	AC,P5V	116	194.3	19.3	0	853	8	179.7	166.2	149.9	**188.6**	273.3	208.2
NuTech/G2 Gen	3F-515AM	AM-R,B	MQ,C2	115	194.2	18.6	0	856	7	172.2	146.7	**181.5**	159.8	**281.3**	223.6
NuTech/G2 Gen	3F-513AM	AM-R,B	MQ,C2	115	192.9	19.1	0	848	9	**190.2**	143.6	157.7	174.4	262.1	229.5
Augusta	A5565VT3Pro	VT3P	M,D,P5	114	191.4	19.4	0	840	11	150.9	156.4	158.8	182.0	264.2	236.2
NuTech/G2 Gen	5Z-1505	OI	MQ,P1V,R	115	191.3	18.8	0	843	10	165.9	159.2	149.3	174.9	264.2	234.2
Channel	213-40VT3PRIB	VT3P,B	AC,P5V	113	188.5	18.5	0	832	12	168.9	168.6	162.3	178.1	244.8	208.3
Kruger	KR-7414	VT3P,B	AC,P5V	114	188.5	18.5	0	832	13	157.5	165.4	140.8	180.3	251.0	235.9
NuTech/G2 Gen	5H-216	HX,RR2	MQ,P1V,R	116	187.1	18.7	0	825	16	166.5	149.2	159.2	178.7	270.2	198.8
Mycogen	2C797	STX	CM,C2	114	187.0	17.9	0	828	14	171.9	166.7	157.1	178.6	243.7	203.9
Renk	RK922SSTX	STX,B	AC,P5V	114	186.9	19.5	0	820	18	164.8	151.4	131.8	175.8	257.3	240.3
Producers	7224VT3PRIB	VT3P,B	AC,P5V	113	186.7	17.7	0	828	15	179.8	151.3	158.4	172.3	245.5	213.0
Renk	RK941VT3P	VT3P	AC,P2	114	186.7	19.8	0	818	19	153.9	154.7	159.2	179.9	255.5	217.1
Renk	RK920SSTX	STX,B	AC,P2	115	186.5	18.9	0	821	17	175.8	156.3	143.8	170.6	240.3	232.1
Renk	RK930VT3P	VT3P	AC,P2	115	185.1	18.9	0	815	20	158.0	161.6	143.8	182.1	248.5	216.4
Kruger	K4R-9813	STX,B	AC,P5V	113	184.0	18.3	0	813	21	160.0	148.4	145.1	172.8	258.3	219.1
Pioneer	33D49 GC	HX,RR2	MQ,C2	115	183.1	19.6	0	803	25	175.7	125.9	**172.4**	173.9	261.3	189.2
Channel	215-82VT3PRIB	VT3P,B	AC,P5V	115	182.4	18.1	0	807	22	158.5	148.0	157.2	159.1	258.6	213.1
AgriGold	A6553VT3PRIB	VT3P,B	AC,P5V	114	182.2	18.0	0	806	23	175.1	149.2	149.3	175.1	235.9	208.6
Stine	R9739VT3Pro	VT3P,B	AC,P2	113	181.2	18.5	0	800	27	167.4	148.0	129.4	173.3	259.4	209.7
Titan Pro	2M13-2P	VT2P,B	AC,P2,Z	113	181.1	17.7	0	803	26	154.2	163.1	139.2	162.8	251.8	215.6
Titan Pro	2M14-SS	STX,B	AC,P5V,Z	114	180.5	19.4	0	792	30	169.4	147.5	138.8	175.7	262.2	189.4
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	180.2	17.9	0	798	28	159.4	155.8	152.6	159.1	239.0	215.2
Titan Pro	82A13GLV	3111	CM,C2,Z	113	178.7	17.2	0	794	29	160.3	154.6	145.5	170.6	245.8	195.1
Dyna-Gro	D53VP61	VT3P	AC,P5V	113	177.2	17.6	0	786	31	165.5	156.6	137.7	161.5	233.8	208.1
Dekalb	DKC61-88 CK	VT3P	AC,P2	111	181.4	17.8	0	804	24	150.3	145.7	150.1	179.3	249.8	213.4
Test Average =					**186.3**	**18.6**	**0**	**822**		**166.6**	**152.7**	**151.9**	**173.9**	**255.2**	**217.8**
LSD (0.10) =					11.6	0.6	ns			20.4	17.7	18.3	13.3	19.2	25.2

Adam Stuteville, FIRST Manager



Corn Stats:
Yield Range: 135.0-188.8 bu. per acre
Yield Average: 167.6 bu. per acre
Top $ Per Acre: $830

Corn Field Notes: Kansas Northeast

Atchison—The Atchison County FIRST test site was planted into excellent conditions on April 30, but it received 2" of snow shortly after planting. Emergence here was very good. This site, being nonirrigated, went through some drought stress in May and June. Because of this stress, the plant heights were shortened. The ears had some spots of poor pollination and were on the short side. There was a light presence of gray leaf spot observed. Stalk quality was good and ears were low to the ground. There was no lodging on this test, which was harvested on Sept. 25. The average yield here was 117.4 bu. per acre with a high-yielding product producing 155 bu. per acre.

Bucyrus—The Bucyrus FIRST test site in Miami County was planted into great soil conditions on May 17 and emerged very quickly. This test was on a nonirrigated area, which made the hot and dry periods in late June and early July very stressful, but the test was able to withstand the stress until it caught some rain in late July and early August. This site benefitted from excellent weed control and a very low amount of disease pressure. There was a minimal amount of lodging observed, but overall the corn was standing well at harvest so the effect of the lodging was negligible. Most of the products here had big deep kernels. The average yield from this test was 185.6 bu. per acre.

Hiawatha—This test site in Brown County was planted on April 30. The seedlings in this test emerged very well and looked excellent early on. There was a dry spell on this nonirrigated site that extended from late in June to early in July. This dry spell caused great stress, but fortunately some late-July rains came to relieve the stress and boost the yields. At harvest, the corn stood well and had good ear placement on the stalk. There was a light amount of gray leaf spot observed here. Excellent weed control helped to deliver good yields here as well. The Hiawatha test was harvested on Nov. 11 and yielded an average of 181 bu. per acre.

Sabetha—This site was planted on April 29 into great conditions on a well-drained area and it emerged very well. Shortly after early-season stand counts were taken it received a 10" rain that washed a lot of topsoil down into the third replication, burying about half of the plots. When we harvested on Nov. 14 the yields were very sporadic and a portion of the test had very low yields, resulting in poor data quality, as evidenced by the very high least significant difference (LSD) value of 51.6 bu. per acre. Because of this, the test results were ultimately rejected. A light amount of gray leaf spot was observed and this site did have excellent weed control.

Vermillion—The Vermillion FIRST test site was planted on April 29 into excellent soil conditions. Surprisingly, we received 2" of snow shortly after planting. Thankfully, emergence was not affected by the snow. This test experienced some rather dry weather in June that proved to shorten plant heights considerably. The corn ears were low on the plant

Photo courtesy of Tim Dozier

The gray leaf spot shown on the corn leaves above was common at several Kansas Northeast locations due in part to high late season humidity at those sites.

FIRST Kansas Northeast Corn Results

ALL-SEASON TEST 107-116 Day CRM — **Top 30 of 48 tested**

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Atchison	Bucyrus	Hiawatha	Sabetha#	Vermillion	Wathena
LG Seeds	LG5618STX	STX	AC,P5V	113	**188.8**	19.2	1	830	1	135.6	**209.0**	189.2	178.4	178.9	**231.1**
Ohlde	O 23-15RB	VT2P,B	P2	115	**186.3**	19.3	4	818	2	**155.0**	206.2	192.0	171.3	173.5	204.9
Dekalb	DKC64-69 GC	VT3P	AC,P2	114	181.7	18.6	2	801	3	122.9	**208.3**	193.3	183.3	182.4	201.4
AgriGold	A6499STX	STX	AC,P5V	112	181.3	19.3	1	796	4	111.3	196.5	**199.9**	127.9	181.1	**217.5**
Dekalb	DKC61-88 GC	VT3P	AC,P2	111	180.1	18.2	4	796	5	127.4	195.0	**214.2**	165.6	162.6	201.2
Ohlde	O 24-12RB	VT2P,B	P2	112	180.0	19.0	1	792	6	116.8	193.5	187.6	161.5	193.8	208.3
Renk	RK941VT3P	VT3P	AC,P2	114	178.3	19.9	0	781	7	**142.1**	201.1	191.0	120.8	160.3	196.9
Renk	RK930VT3P	VT3P	AC,P2	115	176.7	19.4	2	776	8	117.6	**207.0**	193.3	153.6	**200.6**	165.0
NuTech/G2 Gen	5Z-1505	OI	MQ,P1V,R	115	176.4	19.4	2	774	10	127.1	**210.7**	185.4	155.5	160.7	198.1
Ohlde	O 24-05RB	VT2P,B	P2	105	175.4	18.1	1	776	9	115.5	192.1	179.9	130.8	183.8	205.5
Pioneer	P1498HR GC	HX,RR2	MQ,C2	114	175.2	19.1	3	770	12	132.2	187.8	**201.6**	172.3	182.8	171.6
Producers	7414VT3PRIB	VT3P,B	AC,P5V	114	174.1	18.8	1	767	13	133.2	202.6	186.6	74.0	161.5	186.4
NuTech/G2 Gen	5H-707	HX,RR2	MQ,P1V,R	107	173.8	17.0	1	773	11	132.9	196.1	169.5	153.3	165.1	205.2
Ohlde	O 24-13RB	VT2P,B	P2	114	173.5	18.8	2	764	14	133.0	197.5	197.5	131.9	149.4	189.9
Ohlde	O 24-11RB	VT2P,B	P2	112	173.2	18.5	2	764	15	113.6	194.7	183.4	116.7	183.7	190.5
LG Seeds	LG2641VT3PRIB	VT3P,B	AC,P5V	114	172.9	18.9	3	761	16	125.9	195.9	185.0	130.4	142.3	215.5
Ohlde	O 20-10RB	VT2P,B	P2	111	171.3	18.8	2	755	17	126.3	193.6	185.5	159.3	167.0	184.3
LG Seeds	LG2620VT3PRIB	VT3P,B	AC,P5V	113	170.9	18.3	8	755	18	135.2	171.9	170.4	115.3	189.9	187.1
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	170.2	18.0	6	753	19	114.1	183.2	178.0	148.9	168.9	206.7
Producers	7224VT3PRIB	VT3P,B	AC,P5V	113	170.1	18.0	2	753	20	118.2	191.9	181.3	112.4	189.5	169.8
Stine	R9739VT3Pro	VT3P,B	AC,P2	113	170.1	19.1	0	748	22	119.2	202.5	169.5	120.2	173.0	186.2
Producers	7014VT3PRIB	VT3P,B	AC,P5V	110	169.6	17.8	1	751	21	121.5	201.5	171.7	72.9	168.7	184.6
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	169.1	18.3	4	747	23	**141.3**	190.8	184.4	80.5	153.9	175.1
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	169.0	19.1	4	743	25	115.8	205.1	179.7	145.5	167.6	176.6
Renk	RK920SSTX	STX,B	AC,P2	115	168.6	18.6	0	744	24	115.7	187.2	176.3	166.5	168.0	195.8
Ohlde	O 24-14RB	VT2P,B	P2	114	168.0	20.5	5	733	27	**145.7**	165.8	182.5	82.3	174.7	171.4
Stine	9740VT3Pro	VT3P	CM,C2	110	167.3	18.6	0	738	26	134.0	192.4	172.8	132.2	143.2	193.9
NuTech/G2 Gen	5Z-113	OI	MQ,P1V,R	113	165.7	18.4	2	732	28	88.2	170.8	186.6	157.4	162.0	**221.1**
LG Seeds	LG2602VT3PRIB	VT3P,B	AC,P5V	112	165.5	18.4	1	731	29	104.5	157.0	187.0	159.8	173.2	205.9
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	165.0	18.1	4	730	30	125.6	187.9	195.6	92.6	148.4	167.4
Test Average =					**167.6**	**18.6**	**3**	**739**		**117.4**	**185.6**	**181.0**	**136.8**	**164.9**	**188.8**
LSD (0.10) =					16.0	0.6	5			18.8	20.9	16.8	51.6	31.7	27.1

= rejected results, not included in summary

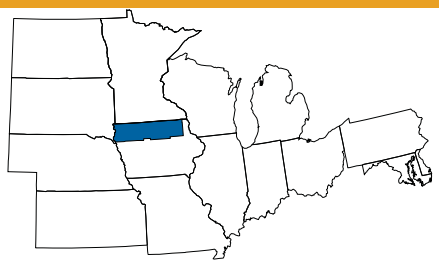
and occasionally they could not be harvested; this increased the data variability on this test. We did receive some rainfall in July that helped to provide nearly complete pollination and grain fill for this test. The stalks were standing quite nicely at harvest and there was no lodging on this site. There was no disease pressure observed here either. This test was harvested on Oct. 8 and averaged a yield of 164.9 bu. per acre.

Wathena—The Wathena FIRST test was planted on April 30 into a well-drained, nonirrigated area. The corn seedlings emerged well and looked good all year. Timely rains that missed surrounding areas were received here, which helped the crop to grow strong and tall. The plants had a light amount of gray leaf spot. A combination of the early planting date and late harvest date was all it took to put stalk strength to the test here. Stalk lodging was an issue with some seed products, as stalk quality was deteriorating quickly as we approached harvest. Excellent weed control helped to protect yield levels on this test. We harvested this test on Nov. 11 and the average yield was 188.8 bu. per acre. That average was the high for this Kansas region, beating the other sites by more than 8 bu. per acre.

Site Information						2013 Rainfall (inches)					
Kansas Northeast						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Atchison	silty clay loam	no-till	Soybean	182	4/30	7.72	3.19	3.55	3.73	-1.13	-0.18
Bucyrus	silt loam	conventional w/ fall till	Corn	200	5/17	11.65	4.41	2.02	5.21	-2.16	1.07
Hiawatha	silty clay loam	no-till	Soybean	200	4/30	9.14	8.52	4.11	4.20	-0.05	0.43
Sabetha	silt loam	no-till	Soybean	128	4/29	14.24	5.04	5.73	6.02	1.63	1.96
Vermillion	silt loam	no-till	Soybean	148	4/29	11.07	4.76	6.46	5.00	2.07	1.43
Wathena	silt loam	conventional w/o fall till	Soybean	211	4/30	7.98	2.74	2.25	4.31	-2.94	0.33

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

Corey Rozenboom, FIRST Manager



Corn Field Notes: Iowa North

Corn Stats:
Yield Range: 173.1-196.1 bu. per acre
Yield Average: 184.4 bu. per acre
Top $ Per Acre: $865

Britt—A soggy spring kept this Canisteo soil saturated from May 1 through the last half of June. Some corn acres were planted before a snowstorm left a heavy blanket of fresh snow across fields here during the first couple days of May. A last effort was made to get this site planted on May 24 but just as tillage started ahead of the planter, heavy rains returned, ending any hope of planting corn in the area for the year. FIRST farmer member Jason Gardner said, "This was a challenging spring, as you all know. We had 16" of rain from April to July with a yearly total of 30" as of Sept. 26. That accounted for roughly 26,000 acres of prevented planting in our area. Needless to say, that is why the FIRST test plots in Hancock County did not get planted. The location of the FIRST test [here at Britt] ended up back into beans with a planting date of June 21."

Greene—The FIRST test in Greene was planted on May 15, which was just a few days before torrential rains saturated the soil and challenged germination. Flash flooding and ponding in area fields were common. These washed out many acres of corn to the point that they needed to be replanted in mid-June. Western and Northern corn rootworm beetles were easy to find in late July. There was no lodging in this test. Plant health was excellent all season but drier weather through August limited top end yields for some hybrids. This trial was harvested on Halloween and the average yield was 192.4 bu. per acre with the top-performing product producing 213.9 bu. per acre.

Lu Verne—This area had a very tight window to accomplish any spring field work, including planting. Following record snowfall on May 2, the 8" or more of rain during the same month made field conditions less than ideal for corn planting. Many acres on FIRST farmer member Bob Plathe's surrounding field were not able to be planted due to cold and wet weather patterns that kept fields nearly saturated through June. The wet start to the season delayed plant development by about three weeks. In spite of delayed crop progress through the season and a very dry July, late-season showers and a lack of freezing temperatures through maturation allowed all hybrids to fill kernels and finish strong.

Photo courtesy of Corey Rozenboom

In spite of a slow start to the season, corn at this Lu Verne, Iowa FIRST testing site was very healthy during silking in July.

Osage—An estimated 14.2" of rain fell on this field during the month of May, and much of it came shortly after planting. The prolonged soil saturation caused noticeable water stress on these plants; this was observed during a visit in June. Warmer and drier weather followed but plant development was delayed due to the stalled growth from May through June. Plants had healthy stalks at harvest. Ear girth was excellent but ear-tip dieback was common across hybrids. Many acres in Mitchell County were not able to be planted at all this season due to the persistent wet spring conditions.

Paullina—A May 2 spring storm that left a couple inches of snow across fields in O'Brien County also kept soil temperatures lower than typical well into May. June and July were exceptionally dry and this dryness stressed plants until some needed August rain returned to

FIRST Iowa North Corn Results

ULTRA-EARLY-SEASON TEST 95-100 Day CRM — **Top 30 of 84 tested**

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Britt	Greene	Lu Verne	Osage	Paullina	Sioux Center
FS InVISION	FS 50TV4 RIB	VT3P,B	AC,P2,Z	100	**196.1**	18.6	0	865	1	Location not planted due to persistent wet soils	**211.4**	**203.6**	170.9	**197.3**	197.5
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	193.2	19.1	0	850	2		**210.1**	184.4	187.8	180.3	203.5
NuTech/G2 Gen	3F-198AM	AM-R,B	MQ,C2	98	192.4	18.2	0	850	3		**212.9**	169.3	179.1	180.1	**220.6**
AgriGold	A6252STXRIB	STX,B	AC,P5V	100	191.2	18.8	0	842	4		197.4	177.0	174.6	**194.4**	212.4
Channel	197-68STXRIB	STX,B	AC,P5V	97	191.1	19.2	0	840	5		198.8	180.7	189.7	**192.9**	193.2
Producers	5634VT3Pro	VT3P	AC,P5V	96	190.5	18.6	0	840	6		**203.7**	182.7	176.0	**191.1**	198.8
Pioneer	P0062AM1 GC	AM1,B	MQ,P1V	100	190.5	18.8	0	839	8		202.5	**186.3**	181.4	174.1	208.3
Dyna-Gro	D39VP14RIB	VT3P,B	AC,P5V	99	190.3	18.5	0	840	7		192.9	**193.2**	162.5	**193.9**	209.0
Prairie Brand	971RA	STX,B	CM,C2	96	190.2	19.0	0	837	10		202.0	176.0	**196.1**	184.9	192.1
Wyffels	W1787RIB	VT3P,B	AC,P5V	96	190.1	18.6	0	838	9		197.0	172.5	181.5	**191.8**	207.6
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	190.1	19.3	0	835	11		**208.5**	180.9	170.0	184.8	206.1
Wyffels	X1807	VT3P	AC,P5V	97	189.5	18.7	0	835	12		189.1	179.2	178.7	183.7	**216.9**
Dairyland	DS9501SSX	STX	AVC,C2	100	189.5	18.7	0	835	13		**213.9**	168.1	184.5	168.4	212.4
Curry	420-45	HXT,RR2	MQ,C2,R	100	189.1	18.6	0	834	14		**206.5**	**185.7**	156.5	180.8	**216.0**
Renk	RK568VT3P	VT3P	AC,P2	95	189.0	18.4	0	834	15		**204.8**	182.3	176.3	179.7	202.0
Kruger	K4R-9199	STX,B	AC,P5V	99	189.0	19.1	0	831	17		190.3	**187.8**	167.2	185.1	214.4
Renze	3133SST	STX	CM,C2	99	188.7	19.0	0	830	18		194.2	178.1	186.2	178.4	206.6
AgriGold	A6202VT3Pro	VT3P	AC,P5V	96	188.6	18.4	0	833	16		**207.0**	179.8	178.7	184.9	192.7
Great Lakes	4879STXRIB	STX,B	AC,P5V	98	188.4	19.0	0	829	20		201.8	184.3	159.2	186.2	210.5
Wyffels	W1687RIB	VT3P,B	AC,P5V	96	188.0	18.4	0	830	19		194.8	173.6	186.0	180.9	204.5
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	187.7	18.5	0	828	23		185.7	173.4	172.5	189.8	**216.9**
Pfister	1821RA	STX,B	CM,C2	100	187.6	18.2	0	829	21		202.9	177.7	180.5	164.0	212.8
Titan Pro	TP 39-98 SS	STX	AC,P5V,Z	98	187.6	18.3	0	829	22		200.8	179.2	172.6	174.1	211.4
Steyer	10004GENSS RIB	STX,B	SStd	100	187.5	18.6	0	827	24		185.1	173.4	175.6	181.5	**221.7**
Kruger	K4R-9597	STX,B	AC,P5V	97	186.8	18.2	0	826	25		190.7	172.4	**196.8**	172.6	201.4
Cornelius	C265SS	STX	AC,P5V	96	186.3	18.4	0	823	26		193.4	169.9	189.5	174.8	203.8
Pfister	1780RA	STX,B	CM,C2	99	186.0	18.3	0	822	27		202.8	174.0	175.9	174.2	203.2
Renk	RK596SSTX	STX	AC,P2	98	186.0	18.4	0	821	29		192.2	176.8	169.3	182.7	209.0
NuTech	5N-9802	3000GT	MQ,C2	98	185.9	18.1	0	822	28		200.2	171.6	184.6	177.6	195.6
Titan Pro	TP 39-00 SS	STX	AC,P5V	100	185.9	18.4	0	821	30		193.1	174.8	169.8	182.4	209.2
Test Average =					**184.4**	**18.6**	**0**	**813**			**192.4**	**172.6**	**178.6**	**177.7**	**200.8**
LSD (0.10) =					10.0	ns	ns				11.2	12.5	13.9	13.2	14.3

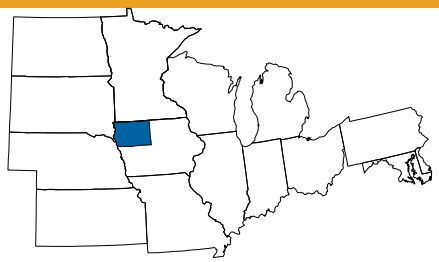
improve kernel depth. Common rust and corn aphids were prevalent across the test plots during August. The delayed spring planting pushed back development through the season, leaving later hybrids vulnerable to October freezing prior to maturity. Fortunately, this area avoided any damage from a freeze before all hybrids had fully matured.

Sioux Center—After snow flurries on May 2, the Dordt College farm continued in a wet weather pattern, leaving this area with more than 6" of precipitation over the normal amount for the month of May. Heavy rain shortly after emergence caused some soil washing in the area and left the fields saturated until June. July turned very dry and the weather stayed that way right up to pollination, when small showers relieved the dry spell. Common rust and low levels of gray leaf spot were observed during August. In spite of delayed plant development throughout the growing season, plants were not subject to the freezing temperatures that were feared by many area farmers in northwest Iowa until well after maturity, and this moderate weather allowed kernels to fill well and add yield. Plants were standing well at harvest and stalk integrity was excellent.

Site Information						2013 Rainfall (inches)					
Iowa North						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Britt	clay loam	minimum	soybean	n/a	n/a	9.39	4.73	2.29	4.27	-2.24	0.40
Greene	silt loam	minimum	soybean	160	5/15	10.29	7.89	5.23	3.15	0.46	-0.80
Lu Verne	silty clay loam	minimum	soybean	142	5/24	8.11	5.55	1.38	3.95	-3.02	0.10
Osage	silt loam	minimum	soybean	194	5/16	14.24	10.58	3.67	3.36	-0.91	-0.84
Paullina	silty clay loam	minimum	soybean	150	5/20	9.15	3.73	1.35	6.59	-3.12	2.94
Sioux Center	silty clay loam	minimum	oat	200	5/18	9.76	3.55	1.77	5.18	-2.00	1.70

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

Corey Rozenboom, FIRST Manager



Corn Stats:
Yield Range: 167.6-216.2 bu. per acre
Yield Average: 194.5 bu. per acre
Top $ Per Acre: $937

Corn Field Notes: Iowa Northwest

Galva—A total of nearly 15.5" of precipitation fell at this site from May through June, challenging plants early in the season. These conditions stunted early growth before higher temperatures and dry weather followed. Ear placement was low, plants were short and all hybrids stood well at harvest. Late-season rain added kernel depth and helped later maturities finish well.

Lu Verne—Following a record snowfall on May 2, the 8" or more of rain during the same month made field conditions less than ideal for planting. Many acres on surrounding fields were not able to be planted due to wet weather. The wet start to the season delayed plant development nearly three weeks. In spite of delayed crop progress, late-season showers and a lack of freezing temperatures through maturation allowed all hybrids to fill kernels and finish strong.

Moorland—Planting was delayed a couple weeks later than normal at this site due to cold and wet weather. Stands were good and plant health was excellent through midseason. Weather then turned dry, leaving July and August nearly 7" behind the normal rain average. Late-season rain may have saved this area, helping fill grain on shorter ears. Stalk integrity was very good at harvest with no lodging.

Paullina—A May 2 spring storm that left a couple inches of snow across fields in O'Brien County also kept soil temperature lower than typical well into May. June and July were exceptionally dry and stressed plants until some needed August rain returned to improve kernel depth. Common rust and corn aphids were prevalent across the tests during August. The delayed spring planting pushed back development, leaving later maturities vulnerable to October freezing. Fortunately, this area avoided any damage from a freeze before all hybrids had fully matured.

Remsen—This site started soggy and cool. When heat picked up in July and August, precipitation was scarce. Showers returned late in the season to help fill grain and save yields. Without the typical hard freeze we often see in early October, all hybrid maturities were able to complete grain fill without injury. Plants were generally shorter than average but ears were good-sized and kernels had good depth. Stalk integrity was just beginning to become noticeably weak at harvest but not substantially poor.

Sioux Center—After snow showers on May 2, the Dordt College farm continued having wet weather. This area had rainfall 6" above average for May. Heavy rain shortly after emergence caused some soil washing and left fields saturated until June. July was very dry up to pollination, when small showers relieved the dry spell. Common rust and low levels of gray leaf spot were observed during August. In spite of delayed plant development, plants were not subjected to the freezing temperatures feared by many area farmers until well after maturity, allowing kernels to fill well and add yield. Plants were standing well at harvest and stalk integrity was excellent.

Site Information						2013 Rainfall (inches)					
Iowa Northwest						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Galva	silty clay loam	minimum	soybean	138	5/13	10.05	5.31	1.19	3.85	-2.74	-0.30
Lu Verne	silty clay loam	minimum	soybean	142	5/24	8.11	5.55	1.38	3.95	-3.02	0.10
Moorland	loam	minimum	soybean	135	5/13	9.70	5.75	0.34	1.97	-4.35	-2.55
Paullina	silty clay loam	minimum	soybean	150	5/20	9.15	3.73	1.35	6.59	-3.12	2.94
Remsen	silty clay loam	minimum	soybean	122	5/18	9.07	4.51	1.32	3.53	-1.88	-0.07
Sioux Center	silty clay loam	minimum	oat	200	5/18	9.76	3.55	1.77	5.18	-2.00	1.70

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

FIRST Iowa Northwest Corn Results

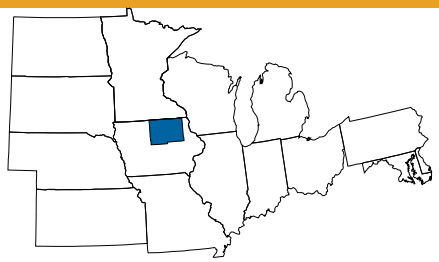
EARLY-SEASON TEST 101-106 Day CRM — **Top 30 of 63 tested**

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Galva	Lu Verne	Moorland	Paullina	Remsen	Sioux Center
Champion	CSX56A13VT3Pro	VT3P	CM,C2	106	**201.5**	19.5	1	880	1	**220.1**	190.5	**216.0**	194.6	**192.9**	194.7
Prairie Brand	5624GT3	3000GT	CM,C2	105	**200.3**	19.4	3	875	2	**215.6**	189.1	197.6	184.9	**203.7**	211.1
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	**199.0**	19.8	0	867	4	**227.2**	186.4	194.4	185.9	**194.2**	205.6
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	**198.5**	19.8	0	865	5	**217.0**	188.0	199.5	**195.4**	186.1	205.2
Kruger	K4R-9901	STX,B	AC,P5V	101	197.1	18.7	0	865	6	207.0	**196.4**	**210.1**	175.7	175.3	**218.2**
Producers	6624VT3PRIB	VT3P,B	AC,P5V	105	196.3	19.2	0	859	7	**223.9**	176.9	195.9	180.5	**192.3**	208.5
Great Lakes	5688STX	STX	AC,P5V	106	196.3	19.9	0	854	10	**218.7**	191.9	184.2	187.7	185.9	209.3
Fontanelle	6A100RBC	STX,B	AC,P5V	104	195.9	19.2	0	857	8	199.3	190.8	180.9	**203.4**	**191.6**	209.4
Curry	626-36	HX,RR2	MQ,C2,R	106	195.9	19.6	0	855	9	199.2	187.4	199.0	188.6	**193.1**	207.9
Champion	CSX56B13SSRIB	STX,B	AC,P5V	106	194.9	20.2	1	847	15	210.1	**202.8**	194.5	192.5	176.4	192.9
Wyffels	W3007RIB	VT3P,B	AC,P5V	103	194.8	19.0	1	853	11	**216.2**	191.7	183.1	187.5	178.9	211.2
Wyffels	W4797RIB	VT3P,B	AC,P5V	106	194.3	18.6	0	853	12	193.7	**194.9**	190.3	187.2	182.9	**216.6**
Viking	C78-05R	VT3P,B	AC,P2	105	193.6	18.8	1	849	13	210.0	**200.9**	190.1	167.6	188.6	204.3
Renze	2224-3000GT	3000GT	CM,C2	104	193.3	18.6	2	849	14	208.9	189.4	187.4	171.1	188.2	**214.9**
AgriGold	A6358VT3Pro	VT3P	AC,P5V	105	193.1	19.4	1	843	16	205.7	184.8	191.6	186.4	183.5	206.6
Renk	RK752SSTX	STX,B	AC,P5V	105	193.1	20.1	1	839	19	196.3	188.3	196.2	**201.5**	189.8	186.7
LG Seeds	LG5524VT3P	VT3P	AC,P5V	105	193.0	19.4	0	843	17	205.3	179.2	192.4	188.7	184.6	207.7
Kruger	K4R-9304	STX,B	AC,P5V	104	192.3	19.4	0	840	18	201.8	180.3	183.2	**199.3**	184.5	204.7
Kruger	*K4R-9306*	*STX,B*	*AC,P5V*	*106*	*192.3*	*20.8*	*0*	*832*	*24*	*204.3*	*178.0*	***187.0***	***197.2***	*176.7*	*210.6*
LG Seeds	LG2531VT3P	VT3P	AC,P5V	106	191.0	19.7	0	833	23	210.1	182.5	182.5	180.0	182.9	208.2
Producers	6394VT3Pro	VT3P	AC,P5V	103	190.6	18.9	1	835	20	202.0	**196.8**	195.5	173.0	177.9	198.2
Curry	422-09	HXT,RR2	MQ,C2,R	102	190.5	19.4	0	832	25	203.3	169.1	199.0	175.2	183.4	212.9
Producers	6424VT3PRIB	VT3P,B	AC,P5V	104	190.3	18.9	1	834	21	202.6	179.0	195.8	190.2	179.8	194.4
Federal	5640	STX,B	AC,P2	106	190.0	19.4	0	830	27	185.5	183.8	190.0	184.5	187.0	208.9
AgriGold	A6376STX	STX	AC,P5V	105	189.9	19.5	0	829	28	202.2	182.7	195.8	180.3	171.8	206.4
LG Seeds	LG5550VT3PRIB	VT3P,B	AC,P5V	106	189.9	19.8	0	827	30	207.0	176.5	193.7	162.0	**199.5**	200.9
Renk	RK666SSTX	STX	AC,P2	102	189.8	19.8	0	827	31	190.4	186.3	192.8	190.3	180.7	198.0
AgriGold	A6267STX	STX	AC,P5V	102	189.7	18.8	1	832	26	190.6	178.9	194.1	**203.8**	174.5	196.4
Federal	5240	STX,B	AC,P2	102	189.0	17.9	0	834	22	196.0	177.0	192.2	188.6	176.6	203.4
Producers	6318STX	STX	AC,P5V	103	188.6	18.7	0	828	29	191.6	173.3	184.2	190.7	180.7	211.2
Pioneer	P0636HR CK	HX,RR2	MQ,P1V	106	**199.8**	19.8	0	870	3	206.7	191.2	**203.9**	184.9	**200.4**	211.4
Test Average =					**189.1**	**19.2**	**0**	**827**		**197.9**	**182.3**	**190.7**	**182.2**	**180.1**	**201.7**
LSD (0.10) =					8.4	0.6	1			14.3	11.6	12.3	12.8	10.5	12.5

FULL-SEASON TEST 107-110 Day CRM — **Top 30 of 54 tested**

Kruger	KR-7709	VT3P,B	AC,P5V	109	**216.2**	20.6	2	937	1	**227.7**	**229.1**	205.8	**218.3**	**203.6**	212.8
Champion	CSX60A13VT3Pro	VT3P	CM,C2	110	**213.2**	21.0	0	921	2	200.4	**223.9**	211.8	**227.4**	**204.8**	211.0
Wyffels	W5787RIB	VT3P,B	AC,P5V	108	**209.7**	21.1	0	905	3	215.2	**229.7**	206.2	207.2	**211.8**	187.9
Channel	209-53STXRIB	STX,B	AC,P5V	109	**209.6**	21.7	0	901	4	210.5	**222.1**	**221.9**	189.0	198.9	215.2
Renk	RK776VT3P	VT3P	AC,P2	107	208.4	21.6	0	897	5	**240.2**	206.3	200.7	**212.6**	193.5	197.3
Champion	CSX59A14VT3Pro	VT3P	CM,C2	109	207.9	21.8	0	893	9	218.9	206.9	201.1	204.1	**214.2**	202.3
Wyffels	W6627	VT3P	AC,P5V	110	207.7	21.6	1	894	7	216.7	202.0	208.1	205.5	193.7	**220.1**
Curry	630-42	HX,RR2	MQ,C2,R	110	207.2	21.2	0	894	8	220.3	189.6	**219.1**	206.5	194.2	213.5
Pioneer	P1023AM-R GC	AM-R,B	MQ,P1V	110	206.3	22.6	0	881	16	214.7	206.3	199.9	**216.8**	193.5	206.4
Wyffels	W6487RIB	VT3P,B	AC,P5V	110	206.2	20.9	0	891	11	209.0	193.4	204.8	**217.3**	197.2	215.5
Titan Pro	2M07-SS	STX,B	AC,P5V,Z	107	206.0	20.6	0	892	10	**224.2**	199.9	199.8	**214.9**	186.8	210.2
Kruger	K4R-9708	STX,B	AC,P5V	108	205.5	19.8	0	895	6	201.7	205.3	190.6	**217.6**	193.7	**224.2**
Great Lakes	5785VT3PRIB	VT3P,B	AC,P5V	107	205.2	20.5	2	890	12	212.4	196.7	207.1	**215.6**	188.1	211.2
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	205.0	21.4	0	883	15	214.9	205.9	211.8	**214.3**	188.9	193.9
Producers	6884VT3PRIB	VT3P,B	AC,P5V	107	204.8	20.7	3	887	13	210.3	196.5	205.6	**219.1**	186.4	210.6
Renk	RK797SSTX	STX	AC,P2	109	203.4	19.6	0	887	14	209.6	205.5	192.8	201.5	188.1	**222.6**
Great Lakes	5939VT3PRIB	VT3P,B	AC,P5V	109	202.4	21.3	1	873	18	**223.7**	201.9	194.3	201.8	186.6	205.8
Producers	6878STX	STX	AC,P5V	108	202.0	20.7	0	874	17	190.0	**216.0**	208.2	191.7	193.8	212.4
LG Seeds	LG2549VT3PRIB	VT3P,B	AC,P5V	109	201.8	21.3	1	870	19	217.9	200.9	196.7	201.6	186.3	207.5
Champion	CSX59B14SSRIB	STX,B	AC,P5V	109	200.9	21.5	0	865	22	205.6	198.4	178.6	**215.3**	**202.4**	205.0
Pfister	2574RA	STX,B	CM,C2	110	200.3	22.2	10	858	30	214.0	190.8	206.6	204.0	186.3	200.3
Kruger	K4R-9911	STX,B	AC,P5V	110	200.0	21.6	1	860	25	187.8	201.0	194.8	202.9	181.0	**232.3**
NuTech/G2 Gen	5Z-109	OI	MQ,P1V,R	109	199.9	22.0	4	858	31	210.5	205.6	206.5	183.5	195.9	197.6
Stine	R9632SS	STX,B	CM,C2	107	199.5	20.2	1	867	20	200.7	206.6	195.0	203.6	179.3	211.5
AgriGold	A6458VT3PRIB	VT3P,B	AC,P5V	109	199.0	20.9	1	860	26	217.0	198.3	192.9	196.9	185.3	203.8
NuTech/G2 Gen	5F-008AM	AM,B	MQ,C2	108	198.9	20.9	1	860	27	204.3	188.2	209.1	192.9	192.4	206.6
Titan Pro	TP 39-09 SS	STX	AC,P2,Z	109	198.4	20.0	0	863	24	200.4	195.3	206.2	196.3	185.9	206.3
AgriGold	A6416STX	STX	AC,P5V	107	198.0	20.3	0	860	28	**225.4**	195.3	200.7	188.4	172.1	206.1
Producers	6734VT3Pro	VT3P	AC,P5V	107	197.7	19.2	0	865	23	195.1	208.6	193.2	206.4	183.0	199.9
Champion	CSX57A13SSRIB	STX,B	AC,P5V	107	197.7	20.1	0	859	29	201.4	204.7	196.1	179.2	**208.0**	196.9
Pioneer	P0636HR CK	HX,RR2	MQ,P1V	106	199.0	19.8	0	867	21	204.8	195.5	202.9	185.9	197.7	207.2
Test Average =					**199.8**	**21.0**	**1**	**863**		**206.9**	**200.9**	**198.2**	**198.3**	**190.1**	**204.1**
LSD (0.10) =					9.6	0.8	3			16.3	14.6	13.9	13.9	12.3	15.4

Corey Rozenboom, FIRST Manager



Corn Stats:
Yield Range: 175.6-211.3 bu. per acre
Yield Average: 197.1 bu. per acre
Top $ Per Acre: $916

Corn Field Notes: Iowa North Central

Britt—A soggy spring kept this Canisteo soil saturated from May 1 through the last half of June. Some corn acres were planted before a snowstorm that left a heavy blanket of snow across fields here in the first couple days of May. A last effort was made to get this site planted on May 24, but heavy rains returned, ending any hope of planting corn in the area for the year. FIRST farmer member Jason Gardner said, "This was a challenging spring….We had 16" of rain from April to July with a yearly total of 30" as of Sept. 26. That accounted for roughly 26,000 acres of prevented planting in our area."

Greene—Just a few days after planting, a series of torrential rains saturated the soil and challenged germination. Flash flooding and ponding in surrounding fields was common and washed out many acres, leaving them to be replanted near the middle of June. Western and Northern corn rootworm beetles were easy to find in the test area at the end of July. Plant health was excellent through the season but drier weather through August kept some hybrids from top end yields.

Iowa Falls—Heavy rains fell at this location shortly after emergence, leaving the field fully saturated until June. Final stands were reduced across the test area from the water stress. Plant growth stalled until early July and development was delayed nearly two weeks. Noticeable difference in ear length between hybrids was apparent at harvest. Dry conditions from August through maturity limited grain fill and prevented top end yields. Stalk quality at harvest was good.

Oelwein—Plant root systems started the season in cool and wet soils until mid-June. The delayed planting date, due to chronic wet conditions during the first half of May, also pushed back pollination until the first week of August. Plant health was excellent during the vegetative stages but conditions turned dry from August through maturity, limiting grain fill. Shorter ear length and ear-tip dieback was observed at harvest.

Osage—An estimated 14.2" of rain fell on this field during May and much of it came shortly after planting. The prolonged soil saturation caused noticeable water stress on these plants. Warmer and drier weather followed but plant development was delayed due to the stalled growth from May through June. Plants had healthy stalks at harvest. Ear girth was excellent but ear-tip dieback was common across the hybrids. Many acres in Mitchell County were not able to be planted at all this season due to the wet spring.

Waterloo—Precipitation during May and June was nearly 12" over the average for this area. In spite of the cool wet start, plant stands were excellent. Weather then turned dry from July through maturity, limiting grain fill. Some ear-tip dieback was common across hybrids. Development of this field was delayed through the growing season up to harvest and the field was slow to dry down; however, grain quality was excellent. Stalks were strong and standing well at harvest.

Site Information						2013 Rainfall (inches)					
Iowa North Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Britt	clay loam	minimum	soybean	n/a	n/a	9.39	4.73	2.29	4.27	-2.24	0.40
Greene	silt loam	minimum	soybean	160	5/16	10.29	7.89	5.23	3.15	0.46	-0.80
Iowa Falls	loam	minimum	soybean	180	5/14	11.05	3.97	6.06	1.48	1.21	-2.58
Oelwein	loam	minimum	soybean	129	5/15	9.93	7.47	2.80	2.96	-1.70	-2.21
Osage	silt loam	minimum	soybean	194	5/16	14.24	10.58	3.67	3.36	-0.91	-0.84
Waterloo	silty clay loam	strip-till	soybean	187	5/14	12.00	9.56	4.54	4.12	-0.37	-0.15

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

FIRST Iowa North Central Corn Results

EARLY-SEASON TEST 101-106 Day CRM — Top 30 of 84 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Britt	Greene	Iowa Falls	Oelwein	Osage	Waterloo
Curry	626-36	HX,RR2	MQ,C2,R	106	203.6	19.4	0	889	2		206.6	213.8	**214.3**	168.7	214.4
Viking	C78-05R	VT3P,B	AC,P2	105	203.5	19.1	1	891	1		203.7	218.5	203.8	171.6	220.1
Curry	422-09	HXT,RR2	MQ,C2,R	102	202.7	18.9	2	888	4		203.2	**221.3**	201.4	159.8	**227.7**
Epley	E1505RR	RR2	MQ	105	202.6	18.8	2	889	3		206.2	208.6	202.6	175.1	220.6
NuTech/G2 Gen	5H-806	HX,RR2	MQ,C2	106	202.1	19.6	0	882	7		205.0	210.4	**212.3**	169.1	213.8
Producers	6394VT3Pro	VT3P	AC,P5V	103	202.0	18.9	0	885	6		**220.2**	211.5	198.3	158.8	**221.3**
Great Lakes	5688STX	STX	AC,P5V	106	202.0	20.0	2	879	10		204.1	214.8	200.7	174.8	215.4
Wyffels	W4797RIB	VT3P,B	AC,P5V	106	201.8	18.5	0	887	5		203.0	**226.3**	197.8	168.5	213.4
NuTech/G2 Gen	5H-805	HX,RR2	MQ,P1V,R	105	201.4	19.2	0	881	8		**224.0**	208.4	206.1	152.2	216.4
Dairyland	DS9305SSX	STX	CM,C2	105	201.1	19.4	0	878	11		200.3	**222.4**	186.3	**188.9**	207.4
Producers	6624VT3PRIB	VT3P,B	AC,P5V	105	200.5	20.3	0	870	15		205.9	190.8	193.8	**187.7**	**224.2**
Fontanelle	6A100RBC	STX,B	AC,P5V	104	200.0	19.4	0	874	13		212.1	217.7	195.2	159.6	215.2
Steyer	10603GENSS RIB	STX,B	SStd	106	199.5	19.0	0	874	14		208.5	203.8	194.9	173.4	217.1
Stine	9535	None	AC,P2	104	199.4	18.5	0	876	12		212.6	208.1	**208.9**	165.8	201.4
Champion	CSX56A13VT3Pro	VT3P	CM,C2	106	199.0	19.7	0	867	19		**217.7**	216.9	**206.2**	138.2	216.1
CBseed	CB6888CBLL	CB/LL	CE,C2	106	199.0	19.9	0	866	21		200.2	207.8	182.3	177.6	**227.3**
Renk	RK752SSTX	STX,B	AC,P5V	105	198.9	19.8	1	866	22		206.6	209.4	200.7	168.8	209.1
Viking	D84-06RL	STX,B	AC,P2	106	198.7	19.7	0	866	23		211.7	201.7	200.3	168.4	211.5
Great Lakes	5525VT3PRO	VT3P	AC,P5V	105	198.6	20.3	0	862	29		196.5	204.8	185.9	**194.1**	211.5
Prairie Brand	5644SX	STX	CM,C2	105	198.5	19.5	0	866	24		200.6	206.5	191.0	**185.0**	209.4
Epley	E1010	None	MQ	100	198.5	19.5	1	866	25		201.9	209.1	183.1	**192.4**	206.1
Spectrum	5250	None	AC,P5V	102	198.4	19.2	0	868	16		209.9	196.0	**210.0**	173.8	202.4
Renze	2224-3000GT	3000GT	CM,C2	104	198.4	19.1	7	868	17		**217.1**	197.7	188.3	173.1	215.9
Titan Pro	TP 39-05 SS	STX	AC,P2,Z	105	197.9	19.0	0	867	20		**216.5**	205.5	192.7	152.5	**222.1**
LG Seeds	LG2531VT3P	VT3P	AC,P5V	106	197.7	19.2	0	865	26		204.2	214.0	191.8	175.8	202.5
Champion	CSX56B13SSRIB	STX,B	AC,P5V	106	197.7	19.6	0	862	30		**216.7**	194.0	200.2	163.2	214.3
Epley	E1602SS	STX	P5V	106	197.6	18.6	0	868	18		209.9	205.8	200.8	160.1	211.3
Channel	203-44STXRIB	STX,B	AC,P5V	103	197.2	18.8	0	865	27		202.7	212.5	184.1	169.5	217.3
Fontanelle	02A323	STX,B	AC,P5V	102	196.5	18.3	0	865	28		191.9	213.3	193.8	182.9	200.5
Kruger	K4R-9304	STX,B	AC,P5V	104	196.0	18.7	0	860	31		206.7	194.9	200.6	162.1	215.7
Pioneer	P0636HR CK	HX,RR2	MQ,P1V	106	201.4	19.4	0	880	9		212.5	209.2	198.7	165.2	221.2
Test Average =					**194.2**	**19.0**	**1**	**850**			**201.9**	**204.0**	**191.1**	**166.6**	**207.5**
LSD (0.10) =					10.5	1.1	2				11.8	15.1	15.1	17.6	13.8

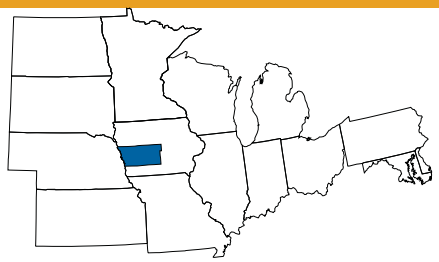
Test not planted due to persistent wet soils

FULL-SEASON TEST 107-110 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	Britt	Greene	Iowa Falls	Oelwein	Osage	Waterloo
Steyer	11004GENSS RIB	STX,B	SStd	110	211.3	20.5	0	916	1		224.3	**211.5**	200.2	189.4	231.2
Kruger	KR-7709	VT3P,B	AC,P5V	109	210.3	20.4	0	912	2		**238.5**	**210.7**	**213.3**	152.7	**236.3**
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	208.8	20.3	1	906	3		226.0	195.0	212.4	182.7	227.9
Champion	CSX60A13VT3Pro	VT3P	CM,C2	110	207.9	20.4	0	902	4		219.2	**202.8**	206.5	180.8	230.3
Stine	9740VT3Pro	VT3P	CM,C2	110	207.8	21.4	0	895	7		224.5	200.9	198.1	**194.2**	221.2
Wyffels	W6627	VT3P	AC,P5V	110	207.6	20.8	0	898	6		230.0	195.0	204.9	174.5	233.5
Cornelius	C574SS	STX	AC,P5V	109	206.8	19.8	0	901	5		229.0	193.5	211.3	171.0	229.3
Channel	209-53STXRIB	STX,B	AC,P5V	109	206.4	20.8	0	893	11		228.8	190.6	205.5	173.3	**233.8**
LG Seeds	LG5591VT3P	VT3P	AC,P5V	109	206.3	20.6	0	894	8		228.8	**208.9**	**214.0**	144.3	**235.5**
Renze	2293-3000GT	3000GT	CM,C2	109	206.3	20.8	1	892	13		223.5	200.6	195.0	185.2	227.1
Stine	R9632SS	STX,B	CM,C2	107	206.2	20.5	0	894	9		210.1	181.6	206.5	**195.8**	**237.1**
Wyffels	W5787RIB	VT3P,B	AC,P5V	108	205.8	20.4	0	893	12		**238.6**	184.8	200.9	171.6	232.9
Wyffels	W5138	STX	AC,P5V	108	205.4	19.9	0	894	10		226.7	192.3	189.0	**196.6**	222.5
Viking	49-09N	None	CM,C2	109	204.7	20.8	0	886	17		226.2	189.2	210.7	175.1	222.1
Renk	RK809GTCBLLRW	3000GT	CE,C2	110	204.6	20.2	0	889	14		219.2	201.0	199.2	**193.1**	210.5
Pioneer	P0987AM1 GC	AM1,B	MQ,P1V	109	204.5	20.3	2	888	16		219.7	197.9	204.2	175.6	225.0
NuTech/G2 Gen	5H-707	HX,RR2	MQ,P1V,R	107	204.0	19.8	0	889	15		214.1	195.6	**217.1**	173.9	219.1
Pfister	2547RA	STX,B	CM,C2	108	203.8	20.3	0	885	18		210.0	182.3	201.4	**204.0**	221.4
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	203.8	20.9	0	881	22		227.0	189.8	189.0	176.9	**236.3**
Steyer	10703GENSS RIB	STX,B	SStd	107	202.7	20.3	0	880	24		223.5	**203.0**	194.9	166.1	226.1
Champion	CSX57A13SSRIB	STX,B	AC,P5V	107	202.6	19.6	0	884	19		220.6	196.6	200.5	179.6	215.7
Pfister	2574RA	STX,B	CM,C2	110	202.5	20.5	0	878	25		232.7	192.0	180.6	**191.5**	215.5
Titan Pro	TP 39-09 SS	STX	AC,P2,Z	109	202.4	19.6	0	883	21		221.1	192.9	189.8	183.1	225.1
Dairyland	DS9809RA	STX,B	CM,C2	109	202.4	20.5	0	877	27		215.8	174.9	203.8	**195.2**	222.2
Spectrum	5967	None	AC,P5V	109	202.3	19.9	1	881	23		212.3	192.3	199.9	172.3	**234.8**
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	201.6	20.6	0	873	31		210.3	182.8	**214.8**	**196.7**	203.4
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	201.4	20.3	0	874	28		228.2	186.7	195.9	178.1	218.2
Great Lakes	5939VT3PRIB	VT3P,B	AC,P5V	109	201.0	20.1	0	874	29		218.0	188.2	203.4	178.3	217.3
Fontanelle	07A573	STX,B	AC,P5V	107	200.8	19.3	0	878	26		212.4	198.3	194.3	185.2	213.9
Spectrum	5889	None	CM,C2,St	108	200.5	19.7	0	874	30		209.1	181.4	190.9	**190.6**	230.7
Pioneer	P0636HR CK	HX,RR2	MQ,P1V	106	202.7	19.8	0	883	20		212.1	**205.1**	203.2	168.7	224.2
Test Average =					**200.0**	**20.2**	**0**	**869**			**217.7**	**188.2**	**198.0**	**174.6**	**221.3**
LSD (0.10) =					11.6	0.8	ns				15.8	13.8	15.2	16.0	12.4

Test not planted due to persistent wet soils

Randy Meinsma, FIRST Manager



Corn Stats:
Yield Range: 161.3-206.9 bu. per acre
Yield Average: 188.0 bu. per acre
Top $ Per Acre: $908

Corn Field Notes: Iowa West Central

Denison—Due to the wet weather this spring, the window of opportunity to plant this location was not wide enough to get the job done. The high amount of rain received over a wide area delayed planting regionally. Opportunities to find soil conditions suitable for planting were few. There was a small opportunity for our FIRST farmer member Ron Nelson to plant this location, but rain was predicted that evening. Knowing I was unable to get to his site in time, Nelson planted through the test area. It rained hours after he planted and stayed wet for days.

Dunlap—This site was planted on June 3 and was my last corn test of the season. The late planting date and slow accumulation of heat units really delayed the crop maturation process. Harvest was delayed to allow grain moistures to fall to acceptable levels, but as of late November they were still at 20%. Harvest was scheduled, but rainfall interfered. Harvest was not complete prior to publication deadline. Visit www.firstseedtests.com for final results.

Oakland—This test site looked very healthy, as the plants were tall and had strong stalks. There was very little lodging observed here. Ears were well developed with a full kernel set and very good depth. Cobs were strong, which made shelling pretty easy. Even with the limited amount of rainfall and the high heat that this test received, products performed very well. There were no problems with disease, insects or weeds noted on the Oakland test.

Slater—After seedling emergence, heavy rain came and caused water ponding that killed many of the hybrids in these tests. The ground stayed wet for a long period and any surviving plants struggled to overcome the stress. At harvest, the plants were well matured and brittle but they stood well. Ear shanks were weak. Grain drydown was very slow in the test and in nearby fields. Products that survived the excessive spring moisture performed very well but there were too many dead areas to produce reliable test results. For this reason the data was rejected.

Winterset—Throughout this test site, corn plants showed signs of extreme stress. After planting, seedlings struggled to emerge, with several areas missing plants. Plants were short in general. Ears were small with some showing incomplete kernel sets due to poor pollination; the kernels were small in size, too. The lack of rainfall and periods of high heat set these plants back. Stalks were standing very well at harvest and strong cobs made harvest easy.

Yale—This area received an abundance of rain in May, around 13", and another 5" in June. Rain was limited in July and August with a total of less than 3" falling. Despite this stress, the tests looked pretty good. Long slender ears were well pollinated but the kernel depth was lacking. Plants looked healthy and stood quite well at harvest. Prior to harvest, rain began falling again, making harvest completion a challenge. This test averaged 187.6 bu. per acre in the early-season test and 180.2 bu. per acre in the full-season test.

Site Information						2013 Rainfall (inches)					
Iowa West Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Denison	silt loam	minimum	soybean	n/a	n/a	8.67	6.94	1.06	1.41	-3.21	-2.45
Dunlap	silt loam	minimum	soybean	n/a	6/3	11.05	3.59	0.65	2.70	-3.62	-1.16
Oakland	silty clay loam	no-till	soybean	172	5/13	10.06	8.00	0.99	3.55	-3.59	-0.37
Slater	clay loam	minimum	soybean	172	5/17	7.26	3.23	1.02	0.98	-3.81	-3.84
Winterset	silty clay loam	no-till	soybean	186	5/14	9.19	4.96	1.22	1.00	-3.18	-2.68
Yale	loam	no-till	soybean	131	5/16	13.32	5.86	1.57	1.25	-3.29	-3.13

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

FIRST Iowa West Central Corn Results

EARLY-SEASON TEST 105-110 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	Denison	Dunlap	Oakland	Slater#	Winterset	Yale
Kruger	KR-7709	VT3P,B	AC,P5V	109	203.3	16.4	1	908	1			206.0	122.3	**193.2**	**210.8**
Channel	209-53STXRIB	STX,B	AC,P5V	109	202.9	16.5	1	905	3			207.9	107.0	180.6	**220.2**
Augusta	A4658GT3110	3110	CE,C2	108	202.8	16.4	1	906	2			**231.7**	126.7	174.3	202.4
Renze	3322SST	STX	CM,C2	110	202.6	16.9	1	902	4			204.5	196.4	180.6	**222.7**
Wyffels	W6627	VT3P	AC,P5V	110	201.6	16.1	1	902	5			**220.6**	118.0	182.0	202.1
LG Seeds	LG5591VT3P	VT3P	AC,P5V	109	200.6	16.3	1	896	6			212.9	184.5	**186.2**	202.7
Renze	2293-3000GT	3000GT	CM,C2	109	199.8	16.6	1	891	9			**229.3**	111.1	176.9	193.2
Producers	6734VT3Pro	VT3P	AC,P5V	107	199.1	15.7	1	892	8			**217.7**	163.8	176.7	202.8
Renk	RK797SSTX	STX	AC,P2	109	199.0	16.3	1	889	10			200.3	55.0	181.5	**215.2**
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	198.9	15.3	1	894	7			217.2	42.3	166.8	**212.6**
Golden Harvest	G09H57-3111 GC	3111	AVC,C5	109	198.8	17.1	1	884	12			208.8	59.0	179.8	**207.7**
Renk	RK809GTCBLLRW	3000GT	CE,C2	110	198.7	16.6	1	886	11			**226.8**	135.6	182.8	186.5
Prairie Brand	1121RA	STX,B	CM,C2	110	197.4	16.8	1	879	15			198.0	120.5	**186.2**	**207.9**
Dyna-Gro	CX50VP43	VT3P	AC,P5V	110	196.9	16.1	1	881	13			209.2	116.9	170.2	**211.4**
Champion	CSX60A13VT3Pro	VT3P	CM,C2	110	196.7	16.3	1	879	16			200.2	129.9	**196.0**	194.0
Prairie Brand	1085GT3	3000GT	CM,C2	109	196.7	16.5	1	878	17			**224.2**	174.3	174.2	191.6
AgriGold	A6442VT3Pro	VT3P	AC,P5V	109	196.3	15.7	1	880	14			211.2	186.5	**192.6**	185.2
Steyer	11004GENSS RIB GC	STX,B	SStd	110	195.3	16.4	1	872	19			206.4	125.4	176.6	202.8
Pioneer	P0636HR GC	HX,RR2	MQ,P1V	106	194.9	15.9	1	873	18			214.3	109.5	173.4	197.1
LG Seeds	LG5579VT3P	VT3P	AC,P5V	109	194.4	16.6	1	867	23			**220.2**	121.9	168.3	194.6
Prairie Brand	X13108RRHX	HX,RR2	CM,C2	108	194.1	16.9	1	864	27			207.4	120.7	**198.6**	176.2
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	194.0	15.6	1	870	20			194.9	56.2	**194.5**	192.6
Producers	7014VT3PRIB	VT3P,B	AC,P5V	110	193.9	16.0	1	868	21			213.5	170.0	165.6	202.7
Augusta	A5658GTCBLL	GT/CB/LL	CE,C2	108	193.9	16.1	1	867	24			**229.7**	197.4	178.2	173.8
Kruger	K4R-9306	STX,B	AC,P5V	106	193.9	16.6	1	865	26			202.8	117.8	179.4	199.6
Pfister	2574RA	STX,B	CM,C2	110	193.6	16.8	1	862	28			203.8	132.2	180.1	197.0
AgriGold	A6458VT3PRIB	VT3P,B	AC,P5V	109	193.4	15.9	1	866	25			212.1	83.0	170.5	197.7
Producers	6884VT3PRIB	VT3P,B	AC,P5V	107	193.3	15.3	1	868	22			210.3	0.0	180.5	189.0
Wyffels	W5787RIB	VT3P,B	AC,P5V	108	192.5	16.3	1	860	29			209.6	118.7	177.8	190.1
Nutech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	191.9	16.2	1	858	30			203.7	153.4	175.7	196.4
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	184.4	17.5	1	818	56			215.7	107.7	172.0	165.6
Test Average =					**188.9**	**16.1**	**1**	**845**				**206.3**	**119.1**	**172.9**	**187.6**
LSD (0.10) =					16.2	0.6	0					11.2	86.0	13.3	16.5

Not planted due to persistent wet soil

Harvest was incomplete at publication date
Visit www.firstseedtests.com for final report

FULL-SEASON TEST 111-114 Day CRM — **Top 30 of 63 tested**

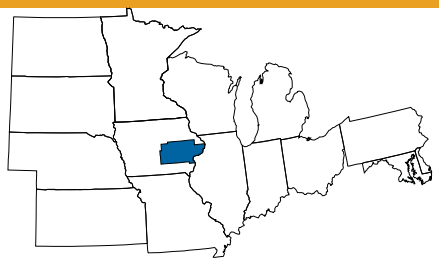
Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Denison	Dunlap	Oakland	Slater#	Winterset	Yale
Augusta	A4564GENSS	STX	M,D,P5	114	**206.9**	19.6	1	907	1			219.5	187.0	**193.0**	**208.3**
Augusta	A5565VT3Pro	VT3P	M,D,P5	114	**204.6**	18.4	1	903	2			**225.1**	195.0	**191.8**	196.8
Champion	AGX61A14-3000GT	3000GT	CM,C2	111	**204.1**	19.0	1	898	3			**232.9**	140.8	**187.8**	191.6
LG Seeds	LG5618STX	STX	AC,P5V	113	**199.6**	17.9	1	884	4			214.0	193.7	183.2	**201.6**
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V,Z	113	199.5	20.1	1	872	9			**227.8**	195.8	**186.0**	184.8
Wyffels	W7888RIB	STX,B	AC,P5V	114	199.2	18.2	1	880	5			216.8	74.2	**187.4**	193.3
Renze	CX35114	HX,RR2	CM,C2	114	198.6	17.9	1	879	6			218.0	223.1	180.6	197.2
Renk	RK858VT3P	VT3P	AC,P2	113	196.8	17.3	1	874	8			215.9	120.2	**184.2**	190.3
Dekalb	DKC62-97RIB GC	VT3P,B	AC,P5V	112	196.1	16.6	1	875	7			220.7	174.7	176.4	191.3
Producers	7268STX	STX	AC,P5V	112	195.2	17.9	1	864	11			219.8	154.7	174.3	191.5
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	194.9	17.5	1	865	10			206.3	161.8	183.8	194.5
Golden Harvest	G14R38-3000GT GC	3000GT	CM,C1	114	194.3	20.3	1	849	16			212.0	197.1	175.0	195.8
Pfister	2770RA	STX,B	CM,C2	113	194.2	19.1	1	854	14			213.4	210.1	171.7	197.5
Titan Pro	81A12GL	3000GT	CM,C2,Z	112	193.7	18.3	1	856	12			**235.7**	191.6	175.5	169.9
Kruger	KR-7913	VT3P,B	AC,P5V	113	193.2	17.7	1	856	13			221.1	173.9	174.8	183.7
Titan Pro	2M14-SS	STX,B	AC,P5V,Z	114	193.2	19.9	1	846	20			214.7	191.8	177.9	187.0
Fontanelle	8A104RBC	STX,B	AC,P5V	115	193.1	19.4	1	848	19			219.5	205.4	170.9	189.0
Champion	CSX62A13VT3Pro	VT3P	CM,C2	112	191.8	19.5	1	842	21			**229.3**	65.4	159.8	186.3
Wyffels	W7718RIB	STX,B	AC,P5V	112	191.6	17.4	1	851	15			217.1	126.7	170.3	187.5
LG Seeds	LG2620VT3PRIB	VT3P,B	AC,P5V	113	191.3	17.4	1	849	17			209.6	198.8	164.5	**199.8**
FS InVISION	FS 62MV4 RIB	VT3P,B	AC,P2,Z	112	190.8	17.1	1	849	18			219.7	198.0	179.4	173.3
Renk	RK941VT3P	VT3P	AC,P2	114	189.6	19.7	1	831	27			213.4	119.2	175.8	179.7
Wyffels	W7477RIB	VT3P,B	AC,P5V	112	188.8	17.2	1	839	22			211.1	176.8	183.6	171.7
Producers	7414VT3PRIB	VT3P,B	AC,P5V	114	188.8	17.5	1	838	25			**224.4**	130.5	158.8	183.1
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	188.4	16.9	1	839	23			213.6	195.0	173.5	178.1
Renze	3332SST	STX	CM,C2	111	188.4	16.9	1	839	24			211.3	194.0	166.5	187.5
Great Lakes	6354VT3PRIB	VT3P,B	AC,P5V	113	188.2	17.3	1	836	26			197.5	177.1	175.0	192.1
AgriGold	A6496STX	STX	AC,P5V	111	186.7	17.8	1	827	29			205.4	175.3	173.0	181.8
LG Seeds	LG2602VT3PRIB	VT3P,B	AC,P5V	112	186.5	16.9	1	830	28			211.5	184.2	165.3	182.6
Titan Pro	TP 39-11 SS	STX	AC,P5V	111	186.3	17.4	1	827	30			204.7	178.2	180.8	173.4
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	183.5	17.6	1	814	45			207.0	201.3	170.2	173.3
Test Average =					**187.1**	**17.7**	**1**	**829**				**210.5**	**177.7**	**170.5**	**180.2**
LSD (0.10) =					12.5	0.7	0					11.1	72.1	13.4	17.7

Not planted due to persistent wet soil

Harvest was incomplete at publication date
Visit www.firstseedtests.com for final report

= rejected results, not included in summary

Randy Meinsma, FIRST Manager



Corn Stats:
Yield Range: 149.0-210.8 bu. per acre
Yield Average: 185.3 bu. per acre
Top $ Per Acre: $909

Corn Field Notes: Iowa East Central

Central City—The corn at the Central City test site had impressive ear size, as the cobs were filled to the tip with large kernels. This gave the impression that it would produce a high yield. Harvest, however, was a huge challenge. Grain moistures were high and variable. Cob strength ranged from soft to solid. Shelling corn off the cob was very difficult because of the soft cobs. Grain test weight was very low, contributing to the disappointing yield numbers for this test. Overall, the corn stood well at harvest.

Muscatine—The corn plants at this continuous corn site stood well. Plants looked healthy and strong. This test faced very high stress during and following pollination. Some hybrids tolerated the stress well while others did not. Ears varied in size from small ears with fair to poor kernel set and considerable ear-tip dieback to those with full ears and large seed size. Fuller maturities tended to be more tolerant but that was not always the case.

Oskaloosa—Crops at this site withstood the summer heat stress and performed well. Luckily, rain arrived at the time it was needed the most. Fields south of this location did not receive the rain and their yields were considerably lower. Corn plants had strong stalks with some green leaves at harvest. Ears were well pollinated with strong cobs, making shelling easy. No major pest or disease issues were observed here. The average yield on this test was 189.5 bu. per acre in the early-season test and 194.1 bu. per acre in the full-season test.

Palo—Weather here in Palo gave us challenges from the start. The wet spring delayed planting until May 23. The cool, wet conditions experienced here after planting reduced seedling emergence and early plant vigor. Midsummer weather was dry with periods of high temperatures. Plants were short with small ears and shallow kernel depth. Plants were healthy all season and stood well at harvest but ear shanks were very weak and easily fell off when stalks were bumped.

Victor—The FIRST tests looked very nice in Victor. Corn plants were very tall and quite healthy. Ears were filled with kernels all the way out to the tip with good size and length. Most ear tips were pointed down to the ground with those ears having strong shanks. Stalks were standing well at harvest, but they were getting brittle. Like other sites, grain moistures were stuck in the upper teens here. Yields were very good despite the late-May planting date.

Washington—The Washington test was an excellent test plot with tall plants, very strong stalks and well-developed brace roots. Some ears were short but all ears had good girth and were filled with kernels out to the tip. After planting and seedling emergence, this site received heavy rain. Some water pooling occurred on the test but minimal impact was noticed. FIRST farmer member Tom Vittetoe stated that the area went more than 80 days without any rain.

Site Information						2013 Rainfall (inches)					
Iowa East Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Central City	loam	no-till	soybean	232	5/20	6.18	10.46	3.59	3.61	-1.01	-1.06
Muscatine	silt loam	conventional	corn, 2+ yr	264	5/18	7.55	5.40	1.50	0.17	-2.96	-4.38
Oskaloosa	silt loam	no-till	corn	161	5/17	11.13	6.42	1.29	1.71	-3.32	-2.92
Palo	loam	minimum	soybean	168	5/23	7.36	6.33	2.78	0.13	-1.61	-4.13
Victor	silt loam	no-till	soybean	131	5/24	11.36	6.70	2.08	0.52	-2.25	-4.06
Washington	silty clay loam	no-till	soybean	224	5/18	7.93	4.83	2.12	0.10	-2.19	-4.07

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

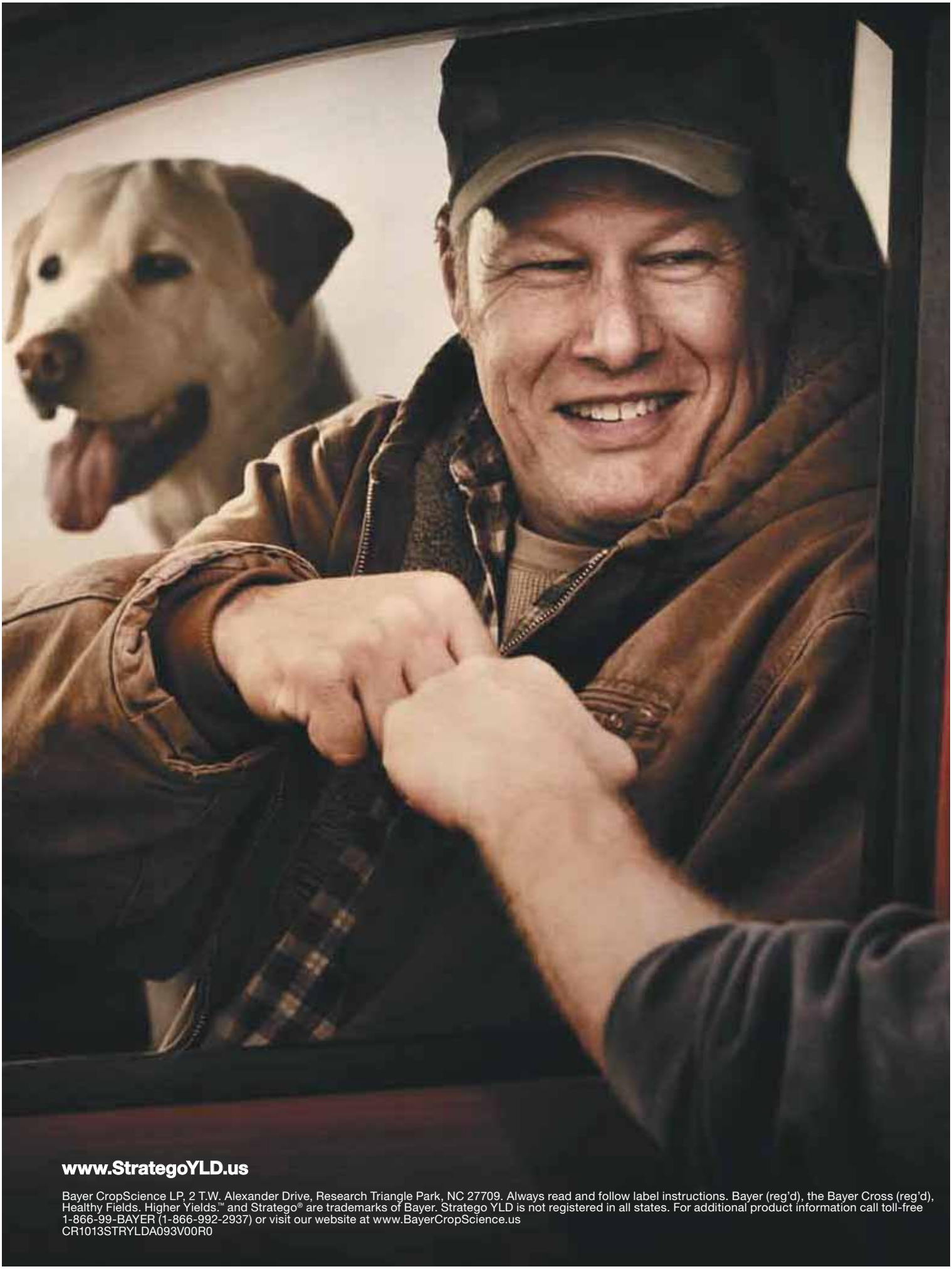
FIRST Iowa East Central Corn Results

EARLY-SEASON TEST 105-110 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	Central City	Muscatine	Oskaloosa	Palo	Victor	Washington
Champion	CSX57A13SSRIB	STX,B	AC,P5V	107	196.4	17.9	1	870	2	168.3	**179.4**	188.2	176.3	**230.8**	235.2
Renk	RK791SSTX	STX,B	AC,P2	108	195.9	16.9	1	872	1	173.4	**181.8**	189.2	177.4	215.5	238.2
Prairie Brand	1111RA	STX,B	CM,C2	110	195.0	19.3	2	857	4	149.1	**174.0**	**215.5**	171.5	219.0	241.0
Nutech/G2 Gen	5Z-109	OI	MQ,P1V,R	109	194.9	18.4	2	860	3	158.6	132.6	**213.6**	**191.7**	**238.9**	233.8
Channel	209-53STXRIB	STX,B	AC,P5V	109	191.8	18.7	1	845	8	162.9	**169.3**	196.7	167.3	208.3	**246.1**
Cornelius	C533SS	STX	AC,P5V	106	191.6	17.0	1	853	5	170.7	**177.2**	199.9	163.6	199.7	238.2
Titan Pro	2M07-SS	STX,B	AC,P5V,Z	107	191.4	17.5	2	849	6	174.7	**161.8**	191.5	170.5	212.5	237.6
Kruger	KR-7709	VT3P,B	AC,P5V	109	191.1	17.4	2	848	7	177.1	129.9	184.6	**194.3**	196.9	**263.7**
Wyffels	W5138	STX	AC,P5V	108	190.8	17.8	1	845	9	161.1	**200.1**	199.1	157.0	196.4	231.2
Pioneer	P0636HR GC	HX,RR2	MQ,P1V	106	190.5	17.7	1	844	10	165.8	130.2	**214.5**	162.6	**222.9**	**247.1**
Kruger	K4R-9911	STX,B	AC,P5V	110	189.6	18.9	1	835	14	165.5	**174.9**	190.8	171.6	213.8	220.7
Augusta	A4658GT3110	3110	CE,C2	108	189.0	17.9	1	837	12	152.7	111.0	**220.9**	**209.2**	213.5	226.4
Channel	210-95STXRIB	STX,B	AC,P5V	110	188.8	17.7	1	837	13	172.8	**182.5**	183.0	157.6	206.3	230.7
LG Seeds	LG5591VT3P	VT3P	AC,P5V	109	188.8	18.4	1	834	15	171.7	126.7	201.4	179.4	213.0	240.8
Dyna-Gro	CX50VP43	VT3P	AC,P5V	110	188.4	19.0	1	829	17	158.1	146.4	177.5	179.6	**233.8**	234.8
Dekalb	DKC57-75RIB GC	STX,B	AC,P5V	107	188.0	16.8	1	838	11	180.4	**172.8**	193.1	159.1	208.9	213.6
Wyffels	W6627	VT3P	AC,P5V	110	187.7	18.5	1	828	18	166.5	144.7	198.5	169.7	207.5	239.1
Cornelius	C602SS	STX	AC,P5V	109	187.4	18.6	1	826	19	176.1	**162.4**	189.6	173.2	197.8	225.0
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	186.9	18.8	1	823	24	167.5	125.2	197.3	167.7	**223.0**	240.5
Dairyland	DS9809RA	STX,B	CM,C2	109	186.8	18.2	1	826	20	178.5	**164.3**	199.1	152.1	207.9	218.6
Renk	RK797SSTX	STX	AC,P2	109	186.7	16.7	1	832	16	**190.1**	156.9	191.7	172.1	197.1	212.5
Stine	9632SS	STX	CM,C2	107	186.5	17.9	1	826	21	**183.1**	**187.0**	185.2	148.7	186.8	228.4
Steyer	10703GENSS RIB	STX,B	SStd	107	185.7	17.4	2	825	23	174.1	**174.8**	191.4	168.9	203.4	201.8
Titan Pro	TP 39-05 SS	STX	AC,P2,Z	105	185.4	16.8	1	826	22	156.3	**184.3**	200.0	159.9	211.8	200.2
Nutech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	185.3	17.3	1	823	25	176.1	118.6	186.5	**186.2**	220.4	224.0
Kruger	K4R-9306	STX,B	AC,P5V	106	185.0	18.3	1	817	27	164.1	**175.8**	178.2	177.3	188.0	226.4
Champion	CSX59A14VT3Pro	VT3P	CM,C2	109	184.9	18.3	1	817	28	147.0	117.3	201.0	178.3	**221.1**	**244.9**
Kruger	K4R-9708	STX,B	AC,P5V	108	184.4	16.6	1	822	26	164.9	**158.0**	182.2	155.1	**227.8**	218.1
Steyer	11004GENSS RIB	STX,B	SStd	110	184.2	17.8	1	816	29	**186.8**	**163.2**	161.3	178.5	190.6	224.6
LG Seeds	LG2549VT3PRIB	VT3P,B	AC,P5V	109	183.1	16.9	1	815	30	158.1	120.7	**215.9**	**191.7**	196.8	215.1
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	185.1	19.7	1	811	35	149.4	117.3	174.1	**185.9**	**230.4**	**253.3**
Test Average =					**181.4**	**17.7**	**1**	**804**		**161.8**	**135.4**	**189.5**	**166.3**	**208.0**	**227.2**
LSD (0.10) =					18.0	1.2	ns			21.3	21.9	16.1	18.2	12.6	16.5

FULL-SEASON TEST 111-114 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	Central City	Muscatine	Oskaloosa	Palo	Victor	Washington
Champion	CSX62A13VT3Pro	VT3P	CM,C2	112	**210.8**	22.6	1	909	1	178.4	**220.6**	**222.0**	161.1	**239.3**	243.2
Wyffels	W7888RIB	STX,B	AC,P5V	114	**208.6**	20.8	1	908	2	**188.8**	**209.8**	**235.9**	151.9	221.2	243.8
Renk	RK941VT3P	VT3P	AC,P2	114	205.7	23.2	2	883	4	170.4	**212.6**	**217.6**	172.7	227.8	233.3
Wyffels	W7718RIB	STX,B	AC,P5V	112	203.5	18.9	1	896	3	185.5	**188.9**	193.1	183.9	223.2	**246.6**
Augusta	A4564GENSS	STX	M,D,P5	114	203.3	23.0	1	874	8	159.1	**218.4**	211.6	163.7	228.6	238.6
LG Seeds	LG5618STX	STX	AC,P5V	113	202.8	21.4	1	880	6	177.5	**220.5**	206.6	147.5	217.0	**247.8**
Kruger	K4R-9813	STX,B	AC,P5V	113	201.4	20.0	1	881	5	**192.7**	**201.5**	199.9	173.2	225.8	215.4
Channel	213-59STXRIB	STX,B	AC,P5V	113	199.8	20.4	1	872	9	162.4	182.4	**215.6**	177.5	**230.0**	230.9
Pfister	2770RA	STX,B	CM,C2	113	199.2	21.6	1	864	12	162.2	167.3	200.5	**200.9**	219.4	244.7
Dyna-Gro	D52SS91RIB	STX,B	AC,P5V	112	199.1	21.2	1	865	11	174.9	**221.1**	201.7	147.4	215.7	233.5
Kruger	K4R-9512	STX,B	AC,P5V	112	198.9	18.9	1	876	7	181.6	**190.7**	173.3	184.0	**229.7**	234.2
Steyer	11304GENSS RIB	STX,B	SStd	113	198.3	19.2	1	872	10	173.3	178.0	**213.3**	174.5	220.6	230.2
Renk	RK922SSTX	STX,B	AC,P5V	114	197.5	22.2	1	853	18	173.2	**217.8**	201.5	161.0	202.6	228.8
Titan Pro	2M14-SS	STX,B	AC,P5V,Z	114	197.4	22.6	2	851	20	151.9	**196.9**	**223.9**	166.0	217.7	227.9
Pfister	2595RA	STX,B	CM,C2	111	195.8	19.2	2	861	13	170.5	**194.4**	210.7	164.4	204.1	230.6
Titan Pro	TP 39-11 SS	STX	AC,P5V	111	195.8	20.7	1	853	19	176.5	180.6	211.9	171.1	209.8	224.6
Dairyland	DS9314SSX	STX	CM,C2	114	195.1	22.1	2	843	25	150.6	**193.8**	200.6	**188.8**	216.5	220.2
AgriGold	A6496STX	STX	AC,P5V	111	195.0	19.6	1	855	15	**194.4**	157.4	196.7	154.8	228.9	238.0
Fontanelle	7A658RBC	STX,B	AC,P5V	112	194.4	18.3	1	859	14	**204.2**	**197.3**	161.2	179.2	215.2	209.0
Great Lakes	6348STX	STX	AC,P5V	113	194.2	19.2	1	854	17	184.0	**187.2**	179.7	161.8	223.5	229.0
Kruger	K4R-9812	STX,B	AC,P5V	112	193.7	20.5	1	845	24	174.2	**194.9**	191.5	160.1	209.7	231.6
Wyffels	W6917RIB	VT3P,B	AC,P5V	111	193.6	18.3	1	855	16	167.3	139.3	**215.0**	169.9	221.9	**248.3**
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V,Z	113	193.6	21.2	1	841	29	174.5	166.2	185.6	173.6	213.7	**248.2**
Renk	RK890VT3P	VT3P	AC,P2	113	192.5	19.2	1	846	23	184.6	151.8	163.5	**188.0**	226.9	240.1
Dyna-Gro	D51VP32	VT3P	AC,P5V	111	192.1	18.3	1	849	21	167.4	159.4	192.3	182.4	216.2	234.8
Renze	3332SST	STX	CM,C2	111	192.0	18.6	1	847	22	**189.0**	167.1	155.5	185.3	208.2	**246.9**
Wyffels	W7477RIB	VT3P,B	AC,P5V	112	191.8	19.1	1	843	26	176.8	136.7	209.4	**190.3**	213.2	224.6
Champion	AGX61A14-3000GT	3000GT	CM,C2	111	190.7	19.0	1	839	31	151.4	156.3	188.6	179.2	225.0	243.6
Fontanelle	7A778RBC	STX,B	AC,P5V	111	190.6	18.2	1	842	27	161.5	**194.4**	206.9	153.1	208.7	218.9
Steyer	11208VT3PRO RIB	VT3P,B	SStd	112	190.6	18.2	1	842	28	181.4	118.4	202.5	170.9	226.8	243.6
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	192.1	19.8	1	841	30	159.3	159.4	181.3	177.3	227.2	**248.3**
Test Average =					**189.1**	**19.8**	**1**	**828**		**166.0**	**160.8**	**194.1**	**169.8**	**215.3**	**228.9**
LSD (0.10) =					18.0	1.4	ns			21.2	21.7	18.5	16.7	14.4	16.5



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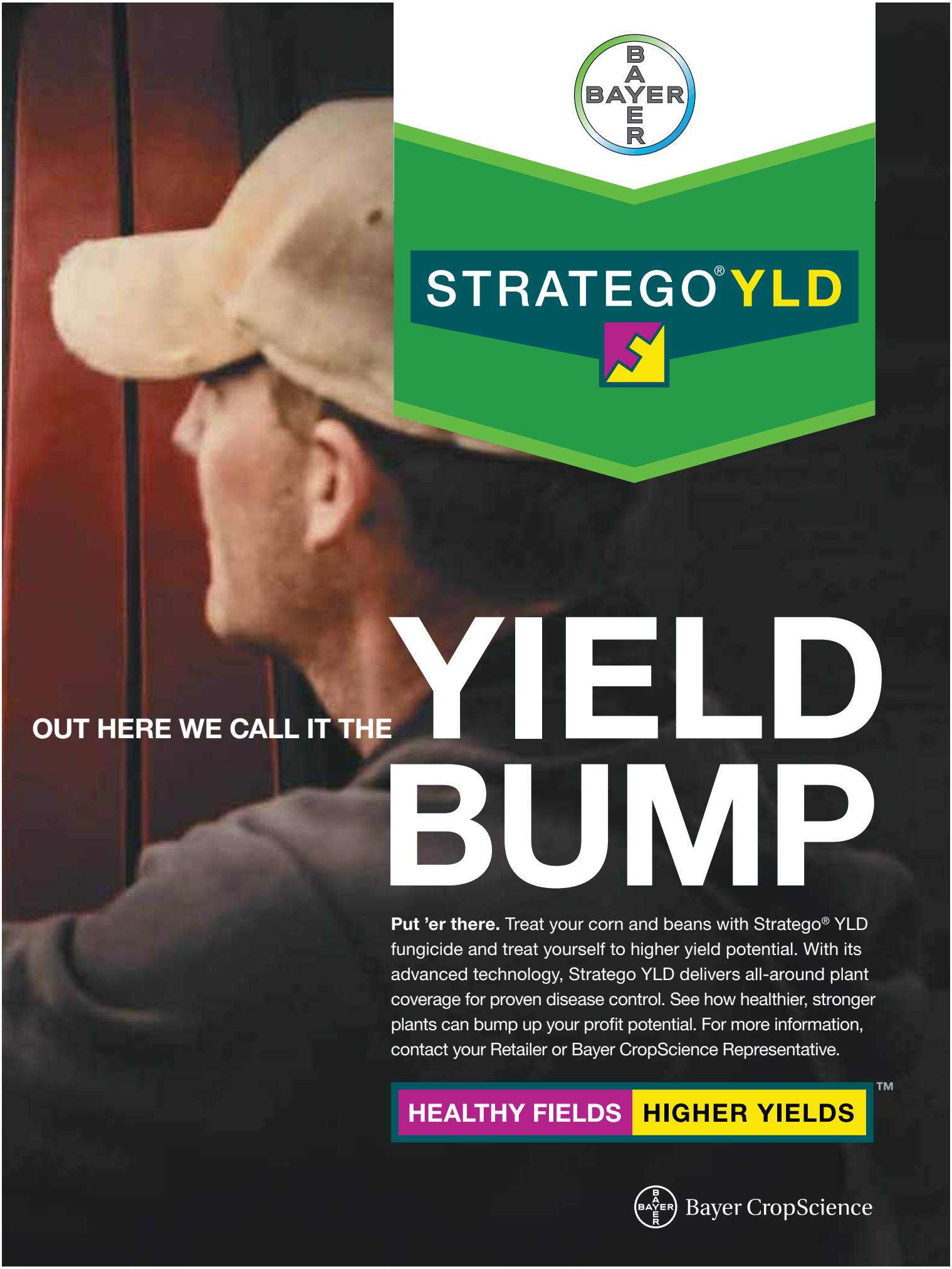
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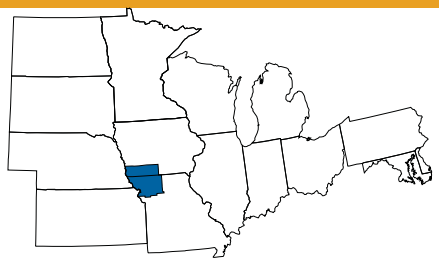


Corn Stats:
Yield Range: 150.3-176.9 bu. per acre
Yield Average: 163.8 bu. per acre
Top $ Per Acre: $789

Corn Field Notes: Missouri Northwest

Blue Ridge—This location was one of the first sites planted in this region. It was hit with rain shortly after crop emergence, which caused ponding. The middle and late season were dry and hot. These conditions had a major yield impact on this test and on surrounding fields. Corn plants were short in height and when lodging was observed it was stalk-related. Ears were short, dropped downward and well pollinated. Seed size, however, was very small. No major weed or plant-disease issues were seen here.

Clearfield—Heavy rain after planting this test impacted emergence and put the crop under stress from the start. Rainfall became limited in July and August and a period of high temperatures added more stress. The crop looked very good and yielded well for the conditions. Some minimal leaf disease was observed. Ears had complete kernel sets. Plants stood very well at harvest but showed signs of weakness.

Farragut—This test site has been corn-on-corn for over two years and it performed very well. Plants were tall with some leaf disease. Stalks were starting to show stress and some stalk lodging was noted. Ears were well pollinated, large and heavy with strong cobs. Some hybrids had weak ear shanks, which is not ideal for large, heavy ears. This test harvested very easily. The average yield here was 219.1 bu. per acre in the early-season test and 226.2 bu. per acre in the full-season test.

Graham—This test site received heavy rain just before planting; however, timely rainfall afterward helped this site to produce very good yields. Ears were large and filled with kernels all the way to the tips. Kernel depth was very good as well. Plants were still strong and standing very well at harvest. Some corn borer damage could be seen. Strong cobs made shelling kernels easy. The average yield here was 230.1 bu. per acre in the early-season test and 239.6 bu. per acre in the full-season test.

Jamesport—This test received almost every stress conceivable this year. It started with a wet, cool spring up to and after planting and was then followed by a hot and dry mid-season and late season. Plant height was very short and there was a significant lack of brace root development. Stalks were small in diameter but stood well. Ears were very short and had ear-tip dieback and small kernels. FIRST farmer member Tim Flory stated that he had never seen ear placement so low to the ground. Harvest was a challenge here.

Union Star—This site had short plants with some leaf disease. Evidence of stress during the growing season could be seen throughout the test. Ear size varied considerably within the same hybrid. Corn plants stood well at harvest but the tops were broken off on most of the stalks. Cobs were sturdy and made shelling kernels pretty easy. Ear tips had rotated into a downward position on most hybrids. Numerous unsuccessful attempts were made to obtain crop input information.

Site Information						2013 Rainfall (inches)					
Missouri Northwest						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Blue Ridge	silt loam	minimum	soybean	145	5/15	9.21	7.38	2.51	0.87	-2.83	-3.19
Clearfield	silty clay loam	minimum	soybean	225	5/12	9.19	6.87	2.97	3.48	-1.11	-0.65
Farragut	silt loam	minimum	corn, 2+ yr	231	5/12	9.80	8.03	2.18	1.65	-2.66	-1.88
Graham	silty clay loam	minimum	soybean	136	5/19	7.27	5.24	3.71	5.46	-2.03	1.58
Jamesport	silt loam	no-till	soybean/wheat	150	5/15	11.42	5.50	2.48	0.46	-2.05	-3.58
Union Star	silty clay loam	no-till	soybean	n/a	5/19	7.54	3.50	2.88	2.16	-1.67	-2.15

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

FIRST Missouri Northwest Corn Results

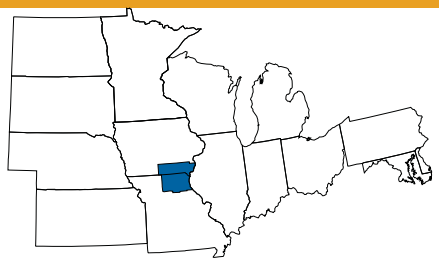
EARLY-SEASON TEST 107-112 Day CRM — **Top 30 of 36 tested**

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Gross Income Rank	Blue Ridge	Clearfield	Farragut	Graham	Jamesport	Union Star
Mycogen	2V717	STX,B	CM,C2	111	173.0	16.3	7	773	1	117.6	205.4	**231.6**	236.2	71.8	**175.6**
Lewis	R1409VT3P	VT3P,B	AC,P5V	109	170.7	15.8	3	765	2	117.5	**214.8**	**231.4**	**243.8**	75.4	141.0
Augusta	A4658GT3110	3110	CE,C2	108	169.8	15.9	6	760	3	117.8	**215.1**	**232.0**	**247.4**	53.2	153.0
Kruger	KR-7709	VT3P,B	AC,P5V	109	169.5	15.8	1	759	4	123.9	194.5	**235.1**	**254.5**	60.4	148.7
Pfister	2672RA	STX,B	CM,C2	112	169.0	16.2	1	755	6	118.5	**214.8**	227.5	228.2	**81.9**	143.3
Nutech/G2 Gen	5Z-612	OI	MQ,P1V,R	112	167.8	17.0	2	747	10	105.5	202.9	230.6	**243.6**	51.5	**172.9**
Augusta	A5658GTCBLL	GT/CB/LL	CE,C2	108	167.3	15.4	1	751	7	113.0	**217.1**	204.8	**243.8**	59.6	**165.5**
Nutech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	167.0	15.7	3	749	8	104.7	210.2	215.9	234.1	67.5	**169.8**
Lewis	1308VT3P	VT3P	AC,P2	108	166.8	15.7	1	748	9	119.1	174.1	**232.0**	236.8	67.2	**171.8**
NuTech	5B-410	GT/CB/LL	MQ,C2	110	166.4	15.6	1	746	11	120.9	200.7	206.5	236.5	**81.0**	153.0
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	166.2	15.9	1	744	12	104.8	208.7	218.8	232.1	**79.3**	153.6
FS InVISION	FS 61JX1	STX	AC,P5V	111	166.0	16.9	1	739	13	105.6	203.9	221.2	**243.8**	58.9	162.3
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	164.3	16.4	3	734	14	106.5	**214.9**	224.9	223.8	63.8	152.0
AgriGold	A6458VT3PRIB	VT3P,B	AC,P5V	109	163.5	15.6	1	733	15	109.8	200.7	208.7	240.9	62.4	158.3
Mycogen	2V709	STX,B	CM,C2	110	162.9	16.4	2	727	16	110.7	198.9	224.4	209.0	71.6	162.9
Pfister	2595RA	STX,B	CM,C2	111	162.6	16.3	2	726	17	117.4	**214.6**	220.9	207.0	70.0	145.7
Pfister	2574RA	STX,B	CM,C2	110	162.1	16.1	4	725	18	112.3	207.5	216.7	235.5	68.1	132.5
Stine	9740VT3Pro	VT3P	CM,C2	110	161.8	16.3	1	723	20	**129.8**	176.7	228.3	222.7	**76.6**	136.9
Kruger	K4R-9911	STX,B	AC,P5V	110	161.6	15.7	2	724	19	112.7	195.9	218.0	221.1	64.1	157.5
Kruger	K4R-9512	STX,B	AC,P5V	112	161.6	16.6	1	721	22	105.4	202.9	223.1	239.1	52.0	146.9
LG Seeds	LG5579VT3P	VT3P	AC,P5V	109	161.5	15.9	2	723	21	108.2	182.9	218.3	226.2	**77.6**	155.5
Nutech/G2 Gen	5F-811AM	AM,B	MQ,C2	111	161.4	16.5	1	720	23	114.9	190.2	205.0	**248.0**	47.9	162.2
AgriGold	A6472VT3Pro	VT3P	AC,P5V	110	160.7	16.3	1	718	25	118.2	209.8	214.2	192.8	66.4	163.0
Mycogen	2A749	STX,B	CM,C2	111	160.7	16.2	2	718	26	121.0	179.9	222.3	222.2	63.6	155.4
LG Seeds	LG2549VT3PRIB	VT3P,B	AC,P5V	109	160.3	15.6	1	719	24	101.9	193.0	215.1	**245.8**	58.4	147.5
Stine	9631VT3Pro	VT3P	CM,C2	109	159.4	15.4	1	716	27	123.2	199.0	215.9	218.5	66.2	133.3
Mycogen	2V779	STX,B	CM,C2	112	159.4	16.4	1	712	29	107.3	194.2	219.8	226.9	67.6	140.7
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V,Z	107	159.2	15.6	1	714	28	116.0	189.5	226.8	222.0	55.5	145.2
Kruger	K4R-9708	STX,B	AC,P5V	108	159.0	15.8	1	712	30	122.1	184.9	188.4	234.8	**78.3**	145.4
Dyna-Gro	CX50VP43	VT3P	AC,P5V	110	159.0	15.9	1	712	31	118.5	204.9	205.2	227.5	61.2	136.9
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	169.7	16.7	1	756	5	**129.2**	208.5	**236.4**	228.8	68.0	147.2
Test Average =					**162.9**	**16.0**	**2**	**729**		**113.9**	**198.8**	**219.1**	**230.1**	**65.1**	**150.5**
LSD (0.10) =					10.4	0.4	3			10.8	14.5	12.3	12.1	10.9	14.9

FULL-SEASON TEST 113-116 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	Blue Ridge	Clearfield	Farragut	Graham	Jamesport	Union Star
Kruger	KR-7913	VT3P,B	AC,P5V	113	**176.9**	16.7	1	789	1	108.2	**220.0**	**238.4**	**261.4**	73.2	159.9
Augusta	A5565VT3Pro	VT3P	M,D,P5	114	175.6	17.4	1	780	2	100.7	196.2	**242.4**	**274.4**	66.0	**174.1**
Lewis	R1414VT3P	VT3P,B	AC,P5V	114	174.5	16.8	1	777	3	97.8	**233.3**	224.7	**259.1**	69.7	162.5
LG Seeds	LG5618STX	STX	AC,P5V	113	172.7	17.4	1	767	4	97.9	208.1	**251.4**	239.6	78.1	161.0
FS InVISION	FS 66JV4 RIB	VT3P,B	AC,P2,Z	116	171.4	17.9	1	759	6	97.5	**217.0**	**252.3**	237.1	61.2	163.5
Kruger	K4R-9315	STX,B	AC,P5V	115	171.4	18.4	1	757	7	101.6	203.3	224.0	**260.9**	74.2	164.1
Mycogen	2C797	STX	CM,C2	114	170.6	16.7	1	760	5	**120.3**	**219.2**	228.0	228.5	69.9	157.6
LG Seeds	LG2636VT3PRIB	VT3P,B	AC,P5V	114	169.9	16.9	1	756	8	101.1	**218.0**	216.1	**258.1**	61.5	164.3
LG Seeds	LG2641VT3PRIB	VT3P,B	AC,P5V	114	169.5	16.7	1	756	9	99.8	**219.4**	212.5	236.5	**83.4**	165.6
Nutech/G2 Gen	3F-515AM	AM-R,B	MQ,C2	115	169.4	17.0	1	754	10	102.1	**217.7**	231.5	254.7	66.3	143.9
Lewis	R1215VT3P	VT3P,B	AC,P5V	115	168.6	18.0	1	746	12	106.7	212.1	228.5	243.4	68.7	152.0
Channel	215-52VT3PRIB	VT3P,B	AC,P5V	115	168.4	17.2	1	749	11	97.8	198.6	226.0	**269.1**	53.1	166.0
Channel	213-40VT3PRIB	VT3P,B	AC,P5V	113	166.9	17.2	1	742	13	104.8	192.7	233.1	240.5	65.5	164.6
Pfister	2770RA	STX,B	CM,C2	113	166.6	17.8	1	738	14	106.1	203.7	235.2	216.4	70.2	168.1
Mycogen	2C786	STX	CM,C2	114	165.5	17.6	1	734	18	95.8	**217.3**	224.2	215.4	**82.1**	158.3
Kruger	K4R-9813	STX,B	AC,P5V	113	165.3	17.0	1	736	15	108.8	194.0	213.4	237.2	**84.4**	154.0
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	165.1	16.6	2	736	16	96.4	**228.8**	224.8	220.9	61.7	158.0
AgriGold	A6573VT3PRIB	VT3P,B	AC,P5V	114	164.6	17.1	1	732	19	92.7	199.3	215.3	254.1	66.9	159.4
AgriGold	A6553VT3PRIB	VT3P,B	AC,P5V	114	164.1	17.2	1	729	20	99.6	177.9	223.6	246.8	79.7	157.0
Nutech/G2 Gen	5Z-1505	OI	MQ,P1V,R	115	162.2	17.1	1	721	22	94.7	186.6	**238.0**	249.5	71.0	133.4
LG Seeds	LG2620VT3PRIB	VT3P,B	AC,P5V	113	162.0	16.7	1	722	21	106.9	185.9	222.8	233.9	62.7	160.0
Kruger	KR-4615	VT2P,B	AC,P5V	115	161.9	16.9	1	721	23	92.1	175.9	227.7	250.8	68.5	156.4
Dyna-Gro	D53VP61	VT3P	AC,P5V	113	161.3	16.5	1	720	24	106.1	187.6	225.2	222.4	67.0	159.2
Pfister	3488HR	HX,RR2	CM,C2	115	161.2	17.4	1	716	25	95.5	201.2	219.8	247.2	59.8	143.5
Channel	214-14VT3PRIB	VT3P,B	AC,P5V	114	160.9	17.0	1	716	26	107.4	198.5	235.5	232.9	61.8	129.1
Nutech/G2 Gen	5H-216	HX,RR2	MQ,P1V,R	116	160.9	17.6	2	714	28	84.8	193.6	217.9	244.6	64.9	159.6
Pioneer	P1248AM GC	AM-R,B	MQ,P1V	112	160.7	16.9	1	716	27	109.3	192.9	199.9	220.8	80.1	161.0
Golden Harvest	G14R38-3000GT GC	3000GT	CM,C1	114	160.6	18.0	1	711	29	100.6	183.4	223.7	235.4	70.0	150.2
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V,Z	113	159.2	18.4	1	703	31	109.0	179.8	**238.7**	248.7	48.6	130.3
Stine	R9739VT3Pro	VT3P,B	AC,P2	113	159.0	17.1	1	707	30	97.1	178.5	223.6	226.7	**87.0**	140.9
Pioneer	P1498AM CK	AM-R,B	MQ,P1V	114	165.1	16.9	1	735	17	111.6	201.8	221.2	228.6	66.4	161.0
Test Average =					**164.7**	**17.2**	**1**	**732**		**101.8**	**197.7**	**226.2**	**239.6**	**68.1**	**154.9**
LSD (0.10) =					11.6	0.7	0			10.1	16.0	11.1	15.2	13.7	17.1

Jason Beyers, FIRST Manager



Corn Stats:
Yield Range: 168.8-201.5 bu. per acre
Yield Average: 185.2 bu. per acre
Top $ Per Acre: $991

Corn Field Notes: Missouri Northeast

Danville—The Danville test was a beautiful corn-on-corn location. Plants started off with really good emergence. Mother Nature brought the wettest spring in a century followed by a dry summer. There was evidence of rust and gray leaf spot present at harvest but stalk quality held up. Plants stood well and there was good ear development after tasselling. Ears all had decent girth, good length and good kernel depth.

Fairfield—This location was planted on May 18. The following seven days produced in excess of 7" of rain. Stands were extremely poor with some hybrids having less than 10% emergence. The test was discarded so that FIRST farmer members Brent and Tim Pacha could replant.

Greentop—This test was planted on May 15. The early-season test was lost due to heavy rainfall after planting; it was in a slightly heavier soil with little slope and retained excess moisture, causing seeds to rot in the ground. The full-season test area drained enough because it had a greater slope. The rest of the year was relatively dry, causing a significant reduction in yield potential. We only harvested an average of 120.6 bu. per acre. Stalk quality was beginning to deteriorate rapidly near harvest.

Kahoka—This test was planted on May 18 and got off to a great start with excellent emergence. It received some timely rainfall, which carried it into pollination. There was evidence of anthracnose present at harvest. Most of the lower half of the plant still had good stalk quality, but a late-season windstorm blew all the tops out of the plants. All lodging noted was from stalk lodging. Kernel size on this test was small due to the lack of rain during grain fill. The average yield at this site was 167.2 bu. per acre in the early-season test and 161.3 bu. per acre for the full-season test.

Macon—This location encountered problems all year long. We planted this test on May 18 and the planting went well. Heavy rain in the days that followed unfortunately caused issues with emergence in one replication. However, despite that initial downpour, rainfall was limited during most of the growing season. Plants were short and the stalks were loaded with disease. Ear shanks were weak and cobs were spongy. It is definitely a test to look at to see which hybrids can deal best with these types of stress.

Palmyra—This location was planted on May 18 and started off great with almost perfect emergence. Pollination and ear development was great. Kernel fill was good for most hybrids but a few had about 0.75" ear-tip dieback. FIRST farmer member Shawn Kiefaber reported that rainfall was 1.1" in July, 0.7" in August (one rain) and 0.1" in September. This must have been just enough to carry the corn so that it could produce the 234.6 bu. per acre (early-season test) and 246.3 bu. per acre (full-season test) yield levels you see. Overall, this was a nice uniform test.

Site Information						2013 Rainfall (inches)					
Missouri Northeast						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Danville	silty clay loam	conventional	corn	237	5/17	10.82	4.22	2.76	0.10	-1.95	-3.91
Fairfield	silty clay loam	minimum	soybean	n/a	5/18	12.13	5.55	1.91	0.62	-2.51	-3.36
Greentop	silt loam	minimum	soybean	154	5/15	7.96	4.05	1.97	0.51	-2.74	-3.66
Kahoka	silt loam	minimum	soybean	231	5/18	8.15	4.04	2.74	0.18	-1.78	-3.81
Macon	loam	minimum	soybean	180	5/18	9.95	4.57	2.04	0.26	-2.60	-3.37
Palmyra	silt loam	conventional	soybean	200	5/18	12.44	3.35	1.98	0.74	-2.41	-3.21

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

FIRST Missouri Northeast Corn Results

EARLY-SEASON TEST 107-112 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	Danville	Fairfield	Greentop	Kahoka	Macon‡	Palmyra
Stine	9631VT3Pro	VT3P	CM,C2	109	201.5	17.4	4	993	1	**246.4**			170.8	**156.5**	232.2
AgriGold	A6472VT3Pro	VT3P	AC,P5V	110	200.8	18.5	2	983	3	232.7			**182.2**	134.1	**254.3**
Augusta	A5658GTCBLL	GT/CB/LL	CE,C2	108	199.1	16.3	7	988	2	241.5			**180.0**	**139.7**	235.3
NuTech/G2 Gen	5Z-612	OI	MQ,P1V,R	112	197.4	20.4	2	955	6	**243.8**			178.3	123.9	243.7
Pfister	2595RA	STX,B	CM,C2	111	196.4	17.9	4	965	4	234.1			169.5	**158.2**	223.7
Renk	RK880SSTX	STX,B	AC,P5V	112	195.6	18.1	3	960	5	231.1			169.9	**150.4**	230.9
NuTech/G2 Gen	5F-811AM	AM,B	MQ,C2	111	194.8	18.9	1	951	7	221.8			174.8	**149.5**	233.0
Kruger	K4R-9512	STX,B	AC,P5V	112	194.8	19.7	2	947	9	229.7			160.2	**141.7**	247.7
Renk	RK860VT3P	VT3P	AC,P2	111	193.7	18.3	3	949	8	**249.9**			166.4	**140.4**	218.2
LG Seeds	LG5607VT3P	VT3P	AC,P5V	111	191.9	19.8	3	932	19	234.5			158.0	**138.6**	236.6
NuTech/G2 Gen	5Z-1205	OI	MQ,P1V,R	112	191.9	20.5	2	928	26	216.7			161.7	**151.3**	237.8
Green Valley	GV8033VT3P	VT3P	AC,P5V	110	191.8	17.8	3	943	11	229.2			172.9	129.9	235.2
Kruger	KR-7709	VT3P,B	AC,P5V	109	191.8	18.1	3	941	13	220.8			168.5	127.2	250.6
FS InVISION	FS 60ZV4	VT3P	AC,P5V	110	191.3	18.6	2	936	16	230.4			**179.4**	111.2	244.2
NuTech	5B-410	GT/CB/LL	MQ,C2	110	191.1	16.6	2	946	10	228.8			156.2	126.2	**253.3**
NuTech/G2 Gen	5Z-709	OI	MQ,P1V,R	109	190.8	17.8	4	938	15	229.8			178.0	110.4	245.0
Augusta	A4658GT3110	3110	CE,C2	108	190.7	17.4	5	940	14	216.4			**179.6**	129.5	237.3
FS InVISION	FS 61JX1	STX	AC,P5V	111	190.7	20.2	4	924	29	232.5			150.9	**140.7**	238.7
Green Valley	GV8243VT3P	VT3P	AC,P5V	111	190.6	18.9	2	931	23	224.2			165.5	135.9	236.6
Pfister	2574RA	STX,B	CM,C2	110	190.5	18.2	6	934	18	228.6			167.0	131.2	235.0
Renk	RK809GTCBLLRW	3000GT	CE,C2	110	190.4	16.7	4	942	12	233.8			162.1	125.3	240.5
Lewis	1308VT3P	VT3P	AC,P2	108	189.9	17.6	2	935	17	235.8			168.1	133.5	222.0
FS InVISION	FS 59SX1 RIB	STX,B	AC,P5V,Z	109	189.6	17.9	4	932	20	237.0			175.8	114.2	231.5
Stine	9740VT3Pro	VT3P	CM,C2	110	189.5	18.2	9	929	25	221.5			176.5	132.1	227.8
LG Seeds	LG5579VT3P	VT3P	AC,P5V	109	189.2	17.4	5	932	21	227.2			170.5	113.4	245.6
Kruger	K4R-9708	STX,B	AC,P5V	108	188.1	16.7	5	931	24	229.2			163.5	**142.0**	217.8
Stine	9632SS	STX	CM,C2	107	187.5	17.0	6	926	27	227.5			153.7	130.0	238.6
LG Seeds	LG2549VT3PRIB	VT3P,B	AC,P5V	109	186.6	16.3	3	926	28	229.6			162.3	128.2	226.3
Pfister	2672RA	STX,B	CM,C2	112	186.6	18.0	5	916	31	233.9			153.6	134.2	224.5
Lewis	R1407SS	STX,B	AC,P5V	107	185.6	16.9	3	917	30	212.3			177.6	131.5	221.0
Pioneer	P1221AMX CK	AMX,B	MQ,P1V	112	190.9	19.1	2	931	22	236.1			155.3	120.2	**252.0**
Test Average =					**190.3**	**17.9**	**4**	**935**		**229.5**			**167.2**	**129.9**	**234.6**
LSD (0.10) =					ns	0.9	3			13.4			12.2	8.5	16.8

Lost to excessive spring rainfall and poor emergence

FULL-SEASON TEST 113-116 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	Danville	Fairfield	Greentop	Kahoka	Macon‡	Palmyra
Augusta	A4564GENSS	STX	M,D,P5	114	193.5	21.1	2	932	1	250.9		116.3	**173.2**	**175.3**	251.8
FS InVISION	FS 66JV4 RIB	VT3P,B	AC,P2,Z	116	191.1	20.4	4	925	3	**256.9**		**144.7**	164.8	**148.5**	240.5
Augusta	A5565VT3Pro	VT3P	M,D,P5	114	191.0	19.5	4	929	2	251.3		118.0	163.2	**163.2**	259.5
Kruger	KR-7913	VT3P,B	AC,P5V	113	184.5	17.8	3	907	4	**257.6**		117.5	164.8	119.5	263.2
Lewis	R1313VT2P	VT2P,B	AC,P5V	113	183.9	18.8	6	899	6	234.3		128.2	165.1	139.7	252.0
LG Seeds	LG5618STX	STX	AC,P5V	113	183.9	19.7	4	894	7	**256.9**		112.3	155.2	141.3	254.0
Wyffels	W7888RIB	STX,B	AC,P5V	114	183.4	19.2	3	894	8	236.8		104.9	163.7	**152.3**	259.5
AgriGold	A6553VT3PRIB	VT3P,B	AC,P5V	114	183.2	17.1	4	904	5	231.4		**142.6**	167.3	116.7	258.0
Lewis	R1415VT3P	VT3P,B	AC,P5V	115	183.1	19.1	2	893	9	227.0		**138.1**	162.2	126.1	262.1
Kruger	KR-4615	VT2P,B	AC,P5V	115	182.8	18.8	3	893	10	239.8		108.0	171.9	130.7	263.8
Renk	RK930VT3P	VT3P	AC,P2	115	182.4	19.3	4	888	14	**252.6**		110.1	171.7	121.8	256.0
NuTech/G2 Gen	5Z-1505	OI	MQ,P1V,R	115	182.3	19.6	2	886	15	232.1		114.3	164.2	**152.4**	248.7
Channel	214-14VT3PRIB	VT3P,B	AC,P5V	114	182.3	19.9	4	885	16	221.2		127.6	163.2	140.2	259.5
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V,Z	113	181.7	20.6	2	878	19	242.0		129.0	164.1	**144.8**	228.6
Renk	RK890VT3P	VT3P	AC,P2	113	180.8	17.7	2	889	12	234.8		134.5	163.5	124.0	247.0
Channel	213-59STXRIB	STX,B	AC,P5V	113	180.6	18.4	4	885	17	231.7		117.8	153.1	**150.9**	249.3
Channel	215-82VT3PRIB	VT3P,B	AC,P5V	115	180.4	18.5	3	883	18	246.7		**137.2**	171.2	118.8	228.3
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	180.3	17.2	5	890	11	232.6		113.0	162.3	**146.6**	246.8
Stine	R9739VT3Pro	VT3P,B	AC,P2	113	180.0	17.1	7	889	13	225.9		112.6	161.8	**153.9**	245.8
NuTech/G2 Gen	5H-216	HX,RR2	MQ,P1V,R	116	179.5	20.3	2	869	23	228.7		**149.9**	143.4	115.7	259.6
Renk	RK941VT3P	VT3P	AC,P2	114	179.4	20.6	2	867	24	244.1		105.5	167.7	**147.2**	232.3
NuTech/G2 Gen	5Z-113	OI	MQ,P1V,R	113	179.1	19.1	2	873	20	227.9		117.2	169.9	137.0	243.7
NuTech/G2 Gen	3F-515AM	AM-R,B	MQ,C2	115	178.2	18.3	3	873	21	238.5		116.6	155.6	111.6	**268.5**
Channel	215-52VT3PRIB	VT3P,B	AC,P5V	115	178.2	19.0	8	870	22	231.5		130.9	167.3	126.2	234.9
Renk	RK858VT3P	VT3P	AC,P2	113	177.1	18.7	2	866	26	221.6		116.4	149.9	134.9	262.5
Pioneer	P1339AM1	AM1,B	MQ,P1V	113	177.0	19.0	3	864	28	244.1		114.2	151.5	131.1	244.2
Kruger	K4R-9813	STX,B	AC,P5V	113	176.7	18.7	2	864	29	239.4		105.1	168.0	**150.2**	220.8
Green Valley	GV8443VT3PRIB	VT3P,B	AC,P5V	114	175.3	17.2	2	865	27	224.0		**139.3**	158.5	112.6	242.2
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	175.2	16.7	3	867	25	248.9		120.9	146.8	124.5	235.1
LG Seeds	LG2636VT3PRIB	VT3P,B	AC,P5V	114	174.9	17.7	2	860	30	241.6		119.7	158.6	112.8	241.8
Pioneer	P1221AMX CK	AMX,B	MQ,P1V	112	172.9	17.8	2	850	32	234.7		100.1	162.2	121.1	246.5
Test Average =					**179.8**	**18.8**	**3**	**879**		**236.5**		**120.6**	**161.3**	**134.6**	**246.3**
LSD (0.10) =					ns	1.2	ns			15.0		14.6	11.1	9.4	18.6

Lost to excessive spring rainfall and poor emergence

‡ = 2 replications

FIRST Nebraska Northeast Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Dodge	silty clay loam	conventional	30	6/2	159.5	none	4.29
Herman	silt loam	no-till	30	5/24	139.6	low	3.34
Scribner	silty clay	no-till	30	6/2	142.6	none	6.53
Wisner	silt loam	no-till	30	5/15	87.2	none	4.67

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

Tim Dozier, FIRST Manager

Soybean Stats:
Yield Range: 54.2-67.8 bu. per acre
Yield Average: 60.6 bu. per acre
Top $ Per Acre: $834

Soybean Field Notes: Nebraska Northeast

Dodge—This conventional tillage site had good emergence and withstood several dry periods. Weeds were not an issue here as control was good. There was also no disease or insect pressure. Plants here stood excellently with no pod shattering observed. We thought the rains came too late to impact yield but they produced very good yields that averaged 53.4 bu. per acre.

Herman—This no-till site emerged well and received timely rainfall. A hard freeze would have been welcome before harvest; the plants were filled with green stems and leaves, making harvest very tough. Seed size was tremendous, which resulted in great yields. Weed control was excellent here as well. Plants were tall and stood quite nicely with no lodging. Larry Hansen, the FIRST farmer for this test, noted that the average yield for the surrounding field was in the upper 60s bu. per acre, making this test with its average of 70.3 bu. per acre representative of area yields.

Scribner—A wet May delayed planting at this no-till site, which was not planted until June 2. Good weed control and no disease or insect pressure led to good yields here on the FIRST test plot in Scribner this year. Plants were standing very well with no lodging present at harvest. We did not have any green stems or pod shattering at harvest either. The average yield here was 49.7 bu. per acre.

Wisner—What a difference a year can make. This site proves you don't need high soybean populations to achieve great yield. Although the populations were low, the stand was uniform. Excellent weed control coupled with a lack of disease or insect pressure resulted in outstanding yields on the Wisner test plot this year. Many plants were chest-high and standing well. We harvested an average of 68.8 bu. per acre here.

2.6-3.4 Maturity Group — **Top 20 of 60 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Dodge	Herman	Scribner	Wisner
Fontanelle	73N33 §	RR2Y	3.3	MR	ACi	**67.8**	10.9	0	834	**62.7**	**79.7**	54.1	74.5
Channel	3306R2 §	RR2Y	3.3	MR	ACi	**65.6**	10.4	0	807	55.8	73.5	**55.1**	**77.9**
Asgrow	AG3432 §	RR2Y	3.4	MR	ACi	**65.5**	10.6	2	806	55.7	73.7	54.6	**77.8**
Stine	26RD02 §	RR2Y	2.6	R	CMB	**65.0**	10.2	0	800	56.4	73.2	51.7	**78.5**
Kruger	K2-3203	RR2Y	3.2	MR	ACi	**64.6**	10.7	0	795	54.2	**77.7**	54.3	72.2
Titan Pro	27M32	RR2Y	2.7	R	CMBV	**64.4**	10.3	0	792	**60.5**	72.7	48.6	75.6
Asgrow	AG2733 §	RR2Y	2.7	R	ACi	63.8	10.4	0	785	**60.8**	74.1	50.4	69.7
Hefty	H26R3	RR2Y	2.6	MR	I	63.4	10.3	0	780	57.8	72.9	49.6	73.4
Kruger	K2-2704	RR2Y	2.7	R	ACi	63.3	10.5	0	779	58.1	67.6	54.7	72.8
Prairie Brand	PB-2668R2 §	RR2Y	2.6	R	CMBV	63.3	10.3	1	779	59.0	72.4	47.5	74.2
Hefty	H27R3	RR2Y	2.7	MR	I	62.9	10.5	0	774	55.4	73.8	46.7	75.6
Kruger	K2-3103	RR2Y	3.1	R	ACi	62.7	10.6	1	771	55.5	71.0	52.8	71.4
Kruger	K2-3104	RR2Y	3.1	MR	ACi	62.6	10.5	1	770	54.9	71.0	51.0	73.6
Renk	RS323NR2	RR2Y	3.1	R	CMB,O	62.5	10.7	1	769	53.6	69.8	53.8	72.9
Stine	29RD22 §	RR2Y	2.9	R	CMB	62.3	10.4	1	766	56.2	67.8	**55.8**	69.5
Pioneer	93Y13 §	RR	3.1	R	EE,G	62.3	10.9	2	766	57.8	70.1	50.2	70.9
Fontanelle	71N13 §	RR2Y	3.1	MR	ACi	62.2	11.0	0	765	55.8	74.3	49.8	69.0
Curry	1327 §	RR	3.2	R	CC	61.9	10.6	0	761	56.1	67.8	51.6	72.0
Renk	RS314NR2	RR2Y	3.1	R	None	61.8	10.5	0	760	54.2	73.3	50.5	69.2
Kruger	K2-2905	RR2Y	2.9	MR	ACi	61.8	10.2	1	760	55.5	75.3	48.9	67.4
Site Averages =						**60.6**	**10.5**	**1**	**745**	**53.4**	**70.3**	**49.7**	**68.8**
LSD (0.10) =						3.6	0.4	1		5.7	5.3	5.4	7.2

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FIRST Nebraska Southeast Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Beatrice	silty clay loam	no-till	30	5/14	117.5	n/a	5.60
Springfield	silt loam	conventional	30	6/3	123.5	n/a	1.33
Talmage	silty clay loam	no-till	30	5/25	112.6	n/a	1.63
Union	silt loam	no-till	30	5/12	106.3	n/a	1.26

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

Adam Stuteville, FIRST Manager

Soybean Stats:
Yield Range: 54.5-64.9 bu. per acre
Yield Average: 60.3 bu. per acre
Top $ Per Acre: $798

Soybean Field Notes: Nebraska Southeast

Beatrice—This site emerged very well this spring from its May 14 planting date. It went through a couple of dry spells but that did not show in the yields. Plants were 28" to 34" tall and were full of pods. Most of the pods contained three beans. Plants were standing well at harvest with no lodging. A few varieties had green stems but all varieties threshed easily. Final yields here averaged 60.1 bu. per acre.

Springfield—This site was the latest planted in this region (June 3) but it emerged very well and looked good all year long thanks to irrigation. Plants were tall, ranging from 30" to 40" in height. They stood well with no lodging and were loaded with pods. A few varieties still had green stems at harvest but they still threshed without problem. No disease pressure was present on this test and excellent weed control made for some excellent yields. The average yield from the FIRST test here in Springfield was 67.1 bu. per acre, the highest average for this region.

Talmage—Plants here were 24" to 32" tall and standing well. This site missed some of the rain in August and that unfortunately reflected in the yields. The average yield here was 49.6 bu. per acre. There were several three-bean pods containing only two beans in them on most varieties. The second replication was lost due to emergence issues. There was no disease pressure and weed control was excellent at this site.

Union—This site was planted into good moisture on May 12 but went through a dry spell directly after planting. Because of this, populations were on the low side. Timely rains in late July and August really helped to boost yields here. This test averaged 64.5 bu. per acre. Plants were tall, 30" to 40" in height, and stood very well without any lodging. There was no disease pressure and weed control was excellent.

3.1-4.0 Maturity Group — **Top 20 of 60 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Beatrice	Springfield	Talmage‡	Union
Latham	L3184R2 §	RR2Y	3.1	R	SS+	**64.9**	12.0	0	798	58.7	**76.7**	57.0	67.3
Kruger	K2-3402	RR2Y	3.4	R	ACi	63.8	12.1	0	785	62.2	72.0	52.9	68.1
LG Seeds	C3989R2	RR2Y	3.8	R	AC,PV	63.7	11.9	0	784	65.0	69.3	48.4	**72.0**
Prairie Brand	PB-3699R2 §	RR2Y	3.6	R	CMBV	63.4	12.0	0	780	62.9	69.7	**57.9**	63.0
Dyna-Gro	S36RY24	RR2Y	3.6	R	ACi	63.2	12.2	0	777	63.5	68.1	54.9	66.2
Channel	3701R2	RR2Y	3.7	R	ACi	62.9	11.8	0	774	61.8	72.7	49.2	67.9
Channel	3806R2/STS §	RR2Y,STS	3.8	MR	ACi	62.9	12.0	0	774	61.9	67.0	57.3	65.4
LG Seeds	C3650R2 §	RR2Y	3.6	R	AC,PV	62.5	12.2	0	769	61.9	68.1	55.1	64.9
Kruger	K2-3803	RR2Y	3.8	R	ACi	62.4	11.6	0	768	63.2	71.6	49.0	65.7
Channel	3306R2 §	RR2Y	3.3	MR	ACi	62.2	11.6	0	765	64.5	68.9	46.1	69.3
Fontanelle	78N83 §	RR2Y	3.8	R	ACi	62.2	11.6	0	765	63.2	72.2	46.6	66.6
Titan Pro	35M12	RR2Y	3.5	R	CMBV	62.2	11.9	0	765	64.0	63.6	55.2	65.8
Kruger	K2-3702	RR2Y	3.7	R	ACi	62.2	11.9	0	765	63.2	72.1	47.2	66.2
Mycogen	5N342R2	RR2Y	3.4	MR	CMB	62.1	12.0	0	764	62.6	63.9	53.1	68.7
Kruger	K2-3203	RR2Y	3.2	MR	ACi	61.8	11.6	0	760	62.6	66.5	49.6	68.4
Mycogen	5N312R2	RR2Y	3.1	MR	CMB	61.8	12.0	0	760	61.4	65.5	**57.9**	62.5
Asgrow	AG3432 §	RR2Y	3.4	MR	ACi	61.7	11.8	0	759	65.2	66.4	50.9	64.2
Kruger	K2-3804	RR2Y,STS	3.8	MR	ACi	61.7	12.1	0	759	60.2	70.0	51.5	65.0
LG Seeds	C3111R2 §	RR2Y	3.1	R	AC,PV	61.6	11.9	0	758	62.2	65.5	56.7	61.9
NuTech/G2 Gen	7393^ §	RR	3.9	R	SCE	61.5	11.9	0	756	64.8	66.7	45.7	68.8
Site Averages =						**60.3**	**11.9**	**0**	**742**	**60.1**	**67.1**	**49.6**	**64.5**
LSD (0.10) =						4.2	0.3	ns		5.6	6.0	7.9	6.9

‡ = 2 replications

FIRST Kansas Northeast Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Du Bois	silty clay loam	no-till	30	6/7	110.7	n/a	5.77
Holton	silty clay	conventional	30	5/21	127.9	n/a	5.79
Leavenworth	silty clay loam	conventional	30	6/18	119.4	n/a	6.33
Vermillion	silty clay loam	no-till	30	5/21	110.4	n/a	5.00

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

Adam Stuteville, FIRST Manager

Soybean Stats:
Yield Range: 41.5-50.6 bu. per acre
Yield Average: 46.3 bu. per acre
Top $ Per Acre: $622

Soybean Field Notes: Kansas Northeast

Du Bois—Soybean seedlings at this site emerged very well from their June 7 planting date. They went through some dry weather in late June and early July but received timely rain in late July and August. Plants were 26" to 34" tall and stood very well. Some plants had some green stems prior to a frost that forced plant stems to brown. The rain in late July brought on a flush of various pigweed species that was thick in spots but did not appear to impact soybean yield.

Holton—This site emerged well from its May 21 planting, but after emergence it was under water for a short period of time due to a large rain. Stand counts were checked after the flooding and fortunately they were still very good. Plants were 32" to 38" tall at harvest and were full of pods all the way up the stalk. Plants were standing very well also. Stalks were still slightly green but the pods threshed easily. This location had the best yield in this region by more than 10 bu. per acre due to favorable conditions.

Leavenworth—This site was planted very late, on June 18, which is almost a full month after the first test site, Vermillion. In late summer, it appeared harvest would start early, but September rain and the mild October temperatures experienced here kept this soybean crop going. It ultimately yielded a respectable average of 43.8 bu. per acre, which was the second-highest yield average for this region.

Vermillion—This site was planted on May 21 and got off to a good start with ample moisture. The test site was dry in June and July but did receive some timely rains in August that helped boost yields. Plants were 28" to 36" tall and were standing well at harvest. Plants were dry and threshed easily. Some pods on the bottom of the plants were flat with no seed inside, which was not surprising, considering the midyear dry conditions.

3.4-4.4 Maturity Group — **Top 20 of 60 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Du Bois	Holton	Leavenworth	Vermillion
LG Seeds	C3989R2	RR2Y	3.8	R	AC,PV	**50.6**	11.2	0	622	46.3	**64.2**	47.6	44.4
Asgrow	AG4232 §	RR2Y,STS	4.2	R	ACi	50.4	11.2	0	620	46.6	**69.3**	45.9	39.8
LG Seeds	C4340R2	RR2Y	4.3	R	AC,PV	50.0	11.1	0	615	42.8	**62.5**	**49.6**	45.2
NuTech/G2 Gen	7414^	RR	4.1	R	SCE	50.0	11.2	0	615	47.4	56.8	49.5	46.2
Lewis	423R2 §	RR2Y	4.2	R	ACi	49.4	11.2	0	608	47.2	**62.5**	46.6	41.2
Midland	3983NR2 §	RR2Y	3.8	R	CMB	49.2	11.4	0	605	48.0	60.3	43.6	45.0
Fontanelle	81S03 §	RR2Y,STS	4.1	MR	ACi	49.1	11.2	0	604	45.9	**64.1**	44.1	42.2
Kruger	K2-4203 §	RR2Y	4.2	MR	ACi	49.0	11.0	0	603	44.9	60.5	**50.5**	40.0
Stine	37RC82 §	RR2Y	3.7	R	CMB	48.8	11.5	0	600	46.5	57.0	46.8	44.7
Lewis	392R2 §	RR2Y	3.9	MR	ACi	48.7	11.1	0	599	41.3	59.1	**50.5**	43.8
Dyna-Gro	S42RS03 §	RR2Y,STS	4.2	R	ACi	48.6	11.1	0	598	42.4	61.1	48.0	42.7
Hoegemeyer	HPT 4124NRR^ §	RR	4.1	R	RS	48.6	11.1	0	598	43.7	55.9	48.4	46.4
LG Seeds	C4211R2 §	RR2Y	4.2	R	AC,PV	48.6	11.4	0	598	46.8	**62.6**	39.9	44.9
Renk	RS383SNR2	RR2Y,STS	3.8	R	CMB,O	48.2	11.1	0	593	44.0	60.7	44.2	44.0
Ohlde	O 453 §	RR2Y,STS	4.5	R	SDPI	47.6	11.4	0	585	49.6	57.4	42.2	41.0
Dyna-Gro	32RY39 §	RR2Y,STS	3.9	R	ACi	47.5	11.0	0	584	38.8	**66.3**	42.0	42.7
Mycogen	5N393R2	RR2Y	3.9	R	CMB	47.5	11.1	0	584	45.6	56.9	44.9	42.7
NK Brand	S43-K1 §	RR2Y	4.3	R	CMBV	47.5	11.1	0	584	45.9	61.6	45.3	37.3
Stine	38RD02 §	RR2Y	3.8	R	CMB	47.5	11.3	0	584	41.1	57.6	43.4	**48.0**
Mycogen	5N372R2	RR2Y	3.7	R	CMB	47.1	11.2	0	579	**49.9**	48.5	46.7	43.2
Site Averages =						**46.3**	**11.2**	**0**	**570**	**43.1**	**56.7**	**43.8**	**41.6**
LSD (0.10) =						4.2	0.3	0		6.7	5.8	5.8	5.9

FIRST Kansas East Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Bucyrus	silt loam	conventional	30	6/12	107.7	n/a	5.21
Emporia	silty clay	conventional	30	5/18	125.4	n/a	9.05
La Cygne	silty clay loam	conventional	30	6/13	100.1	n/a	7.66
Ottawa	silty clay loam	conventional	30	6/12	n/a	n/a	5.48

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

Adam Stuteville, FIRST Manager

Soybean Stats:
Yield Range: 29.7-37.5 bu. per acre
Yield Average: 33.2 bu. per acre
Top $ Per Acre: $461

Soybean Field Notes: Kansas East Central

Bucyrus—This site received a heavy rain after the June 12 planting date and water ponded on most of the first replication. The remainder of the test site emerged very well. Hot, dry weather in June and July stressed most varieties but rains in August and September delivered the yields. Plants were 26" to 34" tall and they were standing well at harvest. Various pigweed species emerged in late July but did not affect the results. No disease pressure was seen here.

Emporia—This site got off to an excellent start from its early planting on May 18 but received 17" of rain in just three days in July. The heavy rain really stunted growth for the month and then the rain turned off with a return to hot and dry weather. Plants were 24" to 30" tall with a lot of two-bean pods. Some varieties were starting to shatter on the top pods. Harvest was started on Oct. 14 but was delayed due to rain. We finished the harvest on Oct. 18.

La Cygne—This site received a hard rain that hindered emergence right after the June 13 planting. Stand counts were low but not unacceptable. Dry weather in July and August took its toll on top end yield potential at this site. A flush of various pigweed species emerged in July but did not appear to impact the yield. Soybean plants were short, ranging from 22" to 30" in height. No disease pressure was observed under these dry conditions.

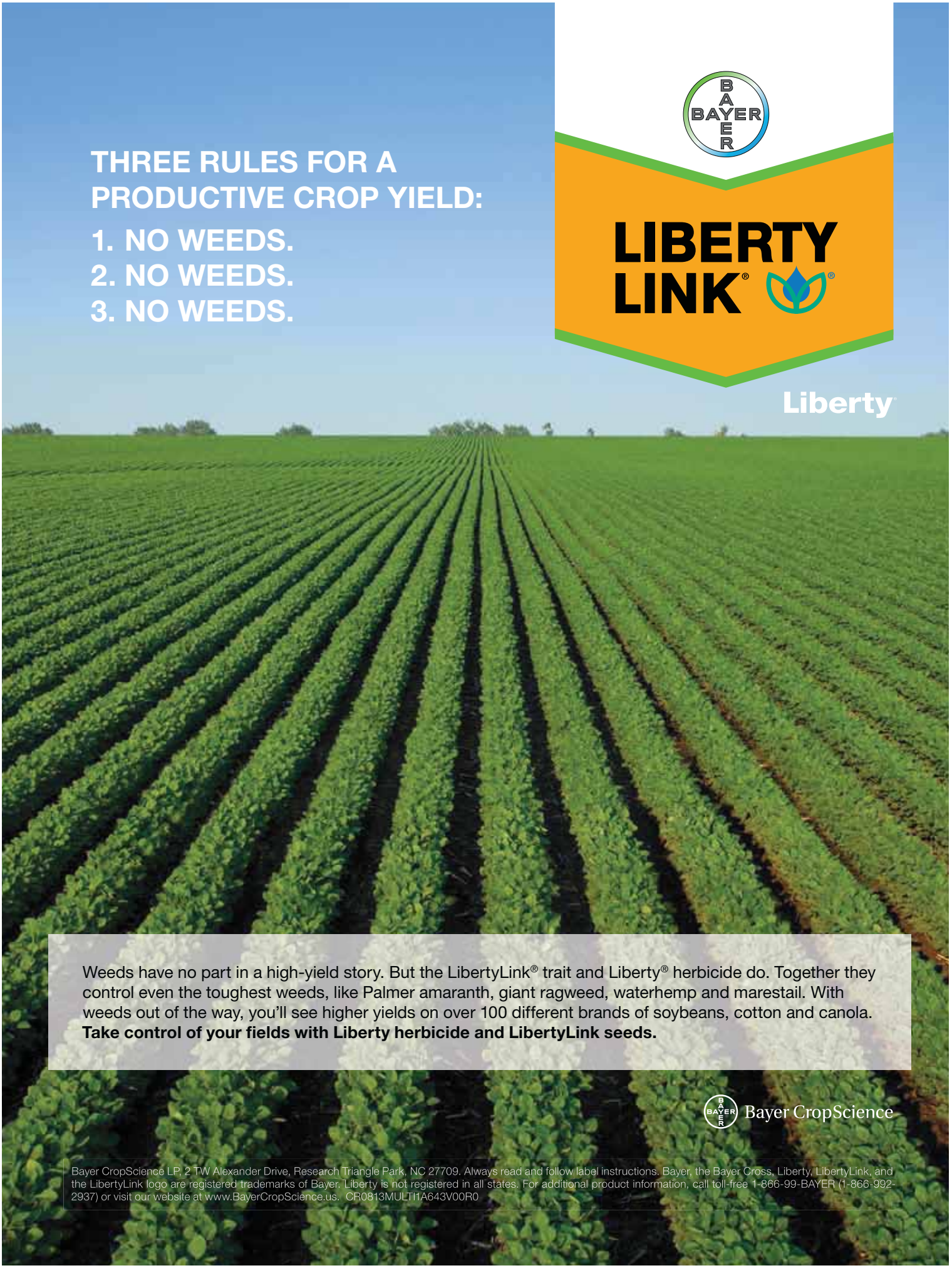
Ottawa—The soybean harvest from our Ottawa FIRST test could not be completed prior to the publication deadline due to rain keeping combines out of the field and keeping grain moisture content too high. We would like to acknowledge our appreciation to FIRST farmer member Mark Nelson for his work towards this research. Readers can always visit our website for the most up-to-date information from all FIRST trials. Please check in on the final results from the Ottawa test site at www.firstseedtests.com.

3.7-4.9 Maturity Group — **Top 20 of 36 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Bucyrus‡	Emporia	La Cygne‡	Ottawa
Dyna-Gro	39RY43 GC	RR2Y	4.3	R	ACi	**37.5**	10.9	0	461	41.8	**31.5**	**39.3**	
Dyna-Gro	S42RS03 GC	RR2Y,STS	4.2	R	ACi	36.1	11.0	0	444	40.1	**28.9**	**39.2**	
Renk	RS383SNR2 §	RR2Y,STS	3.8	R	CMB,O	35.9	10.4	0	442	46.2	25.0	36.5	
Lewis	381R2 §	RR2Y	3.8	R	ACi	35.4	10.4	0	435	41.6	27.2	37.4	
NuTech/G2 Gen	7442^	RR	4.4	R	SCE	35.4	10.9	0	435	44.2	26.2	35.8	
Renk	RS414NR2 §	RR2Y	4.1	R	None	35.3	10.9	0	434	45.4	27.1	33.5	
Kruger	K2-4203 §	RR2Y	4.2	MR	ACi	35.1	10.9	0	432	42.8	**31.3**	31.1	
Lewis	454R2 §	RR2Y,STS	4.5	R	ACi	34.7	11.2	0	427	43.8	24.4	36.0	
LG Seeds	C4340R2 §	RR2Y	4.3	R	AC,PV	34.5	10.9	0	424	40.2	27.7	35.6	
Ohlde	O 453 §	RR2Y,STS	4.5	R	SDPI	34.3	11.0	0	422	46.2	24.1	32.5	
NuTech/G2 Gen	7414^	RR	4.1	R	SCE	34.1	10.7	0	419	40.9	24.4	37.1	
Dyna-Gro	S37RS14 GC	RR2Y,STS	3.7	R	ACi	34.0	11.0	0	418	39.2	25.6	37.2	
Kruger	K2-3804 §	RR2Y,STS	3.8	MR	ACi	33.8	10.4	0	416	37.9	25.5	37.9	
Lewis	394R2 §	RR2Y	3.9	MR	ACi	33.5	10.6	0	412	41.1	26.9	32.6	
Mycogen	5N393R2 §	RR2Y	3.9	R	CMB	33.5	10.8	0	412	46.2	22.7	31.7	
LG Seeds	C4544R2 §	RR2Y	4.5	R	AC,PV	33.5	11.0	0	412	45.4	25.1	29.9	
Taylor	420-2R GC	RR2Y,STS	4.2	R	CMB	33.4	11.2	0	411	39.6	27.6	33.1	
Mycogen	5N373R2 §	RR2Y	3.7	R	CMB	33.3	10.6	0	410	45.3	21.7	33.0	
Hoegemeyer	HPT 4124NRR^ §	RR	4.1	R	RS	33.3	10.6	0	410	42.8	24.4	32.8	
Kruger	K2-3702 §	RR2Y	3.7	R	ACi	33.3	11.0	0	410	45.4	24.8	29.6	
Site Averages =						**33.2**	**10.8**	**0**	**409**	**41.4**	**25.1**	**33.2**	
LSD (0.10) =						4.1	0.7	ns		5.9	3.6	5.4	

Harvest was incomplete at publication date
Visit www.firstseedtests.com for final report

‡ = 2 replications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Soybean Field Notes: Iowa North

Soybean Stats:
Yield Range: 41.5-52.8 bu. per acre
Yield Average: 47.6 bu. per acre
Top $ Per Acre: $671

Algona—Soil conditions at planting were marginal due to chronic wet weather, which delayed planting and prevented many surrounding fields from drying or draining to optimal conditions. Planting population was increased due to the later planting date. Plants were healthy through much of the season; we noted only a few instances of cercospora and septoria brown spot. As shown on the tables, the early- and full-season tests on this site had similar average yield results at 49.6 and 49 bu. per acre, respectively. Vegetative growth was limited, resulting in short plants at harvest with no lodging. Seed sizes were large and at harvest plants ranged from 29" to 41" tall.

Emmetsburg—This site was severely challenged from start to finish. With more than 14.5" of combined rain from May through June, planting was pushed into late June. With warm soil temperatures and adequate moisture near the end of June, emergence was quick and plant stands were very good in this lighter soil. However, weather then turned dry, which left this area nearly 3" short of normal July rainfall. Vegetative growth completely stalled through the summer months. Aphid populations exploded adding stress to the plants. Subsoil moisture was variable at this site and led to variable yields, the best of which was only 47.7 bu. per acre. Plants ranged from 22" to 30" tall.

New Hampton—Spring brought very wet weather and challenging planting conditions to this no-till site. Because of the late planting date, seeding population was increased and emergence was good. In addition to dry weather that plagued July and August, late-season aphid populations were high and seed sizes were small. FIRST farmer member Mark Bruening was able to plant his surrounding field during a narrow window nearly a week earlier than the test site's June 11 planting date. That field yielded close to 50 bu. per acre while the highest-yielding variety in the test topped the chart with only 46.1 bu. per acre. The average yield for this test plot was 40.7 bu. per acre in the early-season test with a drop to 37.7 bu. per acre in the full-season test. The wet spring, late planting date and dry summer suppressed growth and appeared to reduce pod load across the tests. Plant heights recorded at harvest ranged from 24" to 36" tall.

Osage—Total rainfall from May through June was more than 15" above normal in the Osage area. A June planting date was common around this location because of the wet spring. Despite the late start, plants in the test plot established well and set pods very close to the soil surface in this no-till field. Due to limited vegetative growth during the condensed season, internodes were short and there were fewer total nodes than normal. Shorter plants ranging from only 25" to 37" in height showed no lodging at harvest and the plants stood well. A few instances of cercospora were noted and septoria brown spot was prevalent across varieties during a July visit. The wet spring and subsequent late start to planting in this area prevented top end yields.

Photo courtesy of Corey Rozenboom

Soybeans at this testing site near the Iowa Lakes Community College farm in Emmetsburg looked good during July but dry weather severely limited yields.

FIRST Iowa North Soybean Results

Corey Rozenboom, FIRST Manager

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Algona	clay loam	minimum	15	6/20	164.5	low	4.13
Emmetsburg	silty clay loam	minimum	15	6/19	179.4	none	3.96
New Hampton*	silty clay loam	no-till	15	6/11	154.3	none	2.99
Osage	silty clay loam	no-till	15	6/3	156.0	low	3.87

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

1.8-2.1 Maturity Group — Top 20 of 42 tested

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Algona	Emmetsburg#	New Hampton	Osage
Steyer	1901R2	RR2Y	1.9	MR	SStd	51.3	11.7	0	652	52.4	26.2	42.0	**59.4**
Federal	F183NRR2Y	RR2Y	1.8	R	ACi	50.7	12.4	0	644	**54.5**	27.3	**44.3**	53.4
Channel	2105R2	RR2Y	2.1	MR	ACi	50.6	12.0	0	643	50.8	29.9	42.8	**58.2**
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	50.4	12.4	0	640	50.4	24.9	43.8	57.0
Kruger	K2-1902	RR2Y	1.9	R	ACi	50.2	12.4	0	638	51.6	27.0	**46.1**	53.0
Pfister	20R23	RR2Y	2.0	R	None	50.0	11.9	0	635	50.7	**32.1**	41.2	**58.2**
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV	49.9	12.3	0	634	**54.2**	**31.6**	43.2	52.3
Cornelius	CB18R52	RR2Y	1.8	R	None	49.8	12.7	0	632	**53.2**	**31.6**	**44.5**	51.6
Prairie Brand	PB-2024R2	RR2Y	2.0	R	CMBV	49.7	11.8	0	631	50.6	24.1	42.0	56.6
Kruger	K2-2002	RR2Y	2.0	MR	ACi	49.6	11.9	0	630	49.8	28.6	**44.5**	54.4
Great Lakes	GL2069R2	RR2Y	2.0	R	AC,PV	49.6	12.1	0	630	50.7	26.3	42.0	56.1
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV	49.6	12.3	0	630	51.2	20.0	41.7	55.8
NuTech/G2 Gen	7208^	RR	2.0	R	SCE	49.5	11.8	0	629	51.4	29.4	39.3	57.8
Stine	20RD20 §	RR2Y	2.0	R	CMB	49.3	12.1	0	626	50.1	28.1	41.4	56.3
Cornelius	CB20R44	RR2Y	2.0	R	None	49.2	12.0	0	625	47.9	23.3	**44.6**	55.2
Champion	21R34N	RR2Y	2.1	R	CMBV	49.1	12.1	0	624	52.1	21.9	40.4	54.9
Channel	1901R2	RR2Y	1.9	R	ACi	49.1	12.2	0	624	50.8	24.8	41.6	55.0
NK Brand	S20-T6 §	RR2Y	2.0	R	CMBV	49.0	12.3	0	622	46.1	23.3	**45.5**	55.4
FS Hisoy	HS 20A22	RR2Y	2.0	R	CMB	48.9	11.8	0	621	52.9	23.1	**44.9**	48.9
FS Hisoy	HS 19A32	RR2Y	1.9	R	CMB	48.9	12.0	1	621	**53.4**	30.3	40.2	53.0
Great Lakes	GL2289R2 CK	RR2Y	2.2	R	AC,PV	50.0	12.0	0	635	52.2	25.2	41.2	56.7
Site Averages =						**48.0**	**12.1**	**0**	**609**	**49.6**	**25.8**	**40.7**	**53.6**
LSD (0.10) =						3.6	0.6	ns		3.4	5.8	3.3	4.5

2.2-2.5 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)	Algona	Emmetsburg#	New Hampton	Osage
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	**52.8**	12.2	2	671	52.4	33.4	**45.3**	**60.8**
Kruger	K2-2402	RR2Y	2.4	R	ACi	**52.5**	11.7	0	667	**56.3**	40.3	**42.4**	**58.7**
Dyna-Gro	S24RY73	RR2Y	2.4	R	ACi	**51.8**	11.6	0	658	**54.4**	38.7	**43.4**	57.7
Pfister	24R29	RR2Y	2.4	R	CMB	**51.0**	11.4	0	648	**53.2**	30.3	**42.0**	57.8
Prairie Brand	PB-2468R2	RR2Y	2.3	S	CMBV	**51.0**	11.8	0	648	**53.9**	37.8	**42.1**	57.1
LG Seeds	C2333R2	RR2Y	2.3	R	AC,PV	**50.9**	12.0	0	646	**53.3**	30.2	**41.9**	57.6
Steyer	2501R2	RR2Y	2.5	MR	SStd	**50.7**	12.1	0	644	49.3	37.6	**42.2**	**60.6**
Asgrow	AG2433 §	RR2Y	2.4	MR	AC	**50.5**	11.8	0	641	50.5	**47.7**	**43.1**	57.9
Kruger	K2-2503	RR2Y	2.5	R	ACi	49.3	12.4	0	626	51.1	35.2	40.4	56.3
Titan Pro	25M22	RR2Y	2.5	R	CMBV	49.2	11.6	0	625	51.5	40.4	36.6	**59.5**
Channel	2306R2	RR2Y	2.3	R	ACi	48.8	11.9	0	620	**53.2**	29.6	37.4	55.9
Champion	23R73N	RR2Y	2.3	R	CMBV	48.6	12.2	0	617	51.2	41.2	36.1	58.4
FS Hisoy	HS 22A21	RR2Y	2.2	R	CMB	48.4	11.6	0	615	**53.4**	30.7	40.0	51.9
Steyer	2202R2	RR2Y	2.2	MR	SStd	48.3	12.0	0	613	52.3	38.1	40.3	52.2
Kruger	K2-2201	RR2Y	2.2	R	ACi	47.8	11.8	0	607	51.9	29.4	**41.2**	50.3
Pioneer	92Y30 §	RR	2.3	R	None	47.7	12.2	0	606	48.2	36.1	**42.1**	52.7
Dairyland	DSR-2340/R2Y	RR2Y	2.3	MR	CMB,O	47.6	11.9	0	605	50.6	34.6	33.5	**58.8**
NuTech/G2 Gen	7240^	RR	2.4	R	SCE	47.5	12.1	0	603	48.8	32.0	37.4	56.2
Stine	22RD00 §	RR2Y	2.2	MR	CMB	47.4	11.4	0	602	48.4	34.9	**41.8**	52.1
Great Lakes	GL2319R2	RR2Y	2.3	R	AC,PV	47.4	11.5	0	602	48.5	32.4	**41.2**	52.5
Great Lakes	GL2289R2 CK	RR2Y	2.2	R	AC,PV	**50.6**	11.6	0	643	51.6	39.9	**43.0**	57.2
Site Averages =						**47.1**	**12.0**	**0**	**599**	**49.0**	**31.8**	**37.7**	**54.7**
LSD (0.10) =						2.9	0.5	ns		4.2	9.5	3.1	3.9

= rejected results, not included in summary

Soybean Field Notes: Iowa Northwest

Soybean Stats:
Yield Range: 50.7-63.8 bu. per acre
Yield Average: 59.0 bu. per acre
Top $ Per Acre: $810

Galva—A soggy spring gave a late start to this no-till site, which had plenty of moisture from the beginning of flowering through June. Dry conditions, however, followed during July through August, leaving the area nearly 4.5" short of normal rainfall amounts. No disease or significant insect pressure were observed through the season to limit yields; the only limiting factor was weather-related stress. The plants produced pods that were very close to the ground among many varieties at harvest and plant heights ranged from 22" to 37" tall. There was no lodging at this site and moisture levels were right around 13%. The average yield on the Galva test plot was 59.2 bu. per acre in the early-season test and 62.6 bu. per acre in the full-season test.

Hartley—We planted this field on May 21 but some early-season rains immediately following planting left the field saturated, which resulted in reduced stands. After May's cool and wet finish, differences in plant vigor among varieties were well defined by the end of June. This was the first year of soybeans on a field that had been continuous corn for the past several seasons. FIRST farmer member Clint Van Beek's surrounding soybean field was planted nearly a week earlier and yielded well above the test averages for this location. Cercospora and high populations of aphids were observed on these tests very late in the season. Plant heights here ranged from 32" to 47" tall. This test site produced an average of 46 bu. per acre in the early-season test with a slight increase to 49.9 bu. per acre in the full-season test.

Marcus—This test site was planted on May 24, and while wet conditions in May moved planting dates back later than normal in the area, the plants grew well on this no-till site. The plants here remained healthy all season long. Internodes were short on these plants and pod load was consistent from top to bottom. We did notice that many varieties were setting pods very close to the soil surface. Well-timed August rains allowed for large seed sizes and the plants were standing well during harvest. There was no lodging observed here and plant heights ranged from 24" to 38" tall. The average yield from the Marcus test site was 70.4 bu. per acre in the early-season test and 70.1 bu. per acre in the full-season test, making this the highest-yielding soybean location in this region.

Sioux Center—Wet spring weather pushed back the planting date of these soybean tests at the Dordt College farm to May 23. Early-season showers continued following planting, which saturated the root zone well into June. Hot and dry conditions followed for most of July but some timely rain in August helped to fill pods and increase seed size. This crop was clean and healthy all season long, revealing only a small presence of cercospora in July. There was no lodging here; plant heights on these tests ranged from 32" to 40" tall. The average yield from this Dordt College farm test site was 60.9 bu. per acre in the early-season test with a decrease to 52.7 bu. per acre on the full-season test.

Photo courtesy of Corey Rozenboom

Soybean test plots at the Dordt College farm near Sioux Center, Iowa were very healthy all season long. Plants endured the hot and dry weather this late July afternoon.

FIRST Iowa Northwest Soybean Results

Corey Rozenboom, FIRST Manager

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Galva*	silty clay loam	no-till	15	5/31	150.1	none	1.91
Hartley	silty clay loam	minimum	15	5/21	121.8	none	3.45
Marcus	silty clay loam	no-till	15	5/24	154.4	none	4.19
Sioux Center	silty clay loam	minimum	15	5/23	128.0	none	5.18

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

2.1-2.4 Maturity Group — Top 20 of 45 tested

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Galva	Hartley	Marcus	Sioux Center
Champion	21R34N	RR2Y	2.1	R	CMBV	63.5	11.8	0	806	**62.8**	**55.4**	73.0	62.8
Channel	2105R2	RR2Y	2.1	MR	ACi	63.4	12.4	1	805	61.4	**54.3**	72.0	**65.9**
Channel	2207R2	RR2Y	2.2	R	ACi	62.6	11.8	3	795	59.5	**53.9**	72.4	64.4
Kruger	K2-2402	RR2Y	2.4	R	ACi	62.0	11.8	2	787	62.1	47.9	71.4	**66.4**
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	61.4	12.5	0	780	61.4	50.0	70.2	63.9
Asgrow	AG2433 §	RR2Y	2.4	MR	AC	61.2	12.0	0	777	62.1	49.4	72.2	61.1
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV	61.0	11.8	1	775	57.8	**53.3**	67.9	65.0
Stine	22RD00 §	RR2Y	2.2	MR	CMB	60.9	11.9	0	773	58.4	**52.4**	67.9	64.7
Pioneer	92Y22 §	RR	2.2	R	None	60.8	11.4	3	772	58.2	**51.5**	67.8	65.5
Great Lakes	GL2289R2	RR2Y	2.2	R	AC,PV	60.5	11.8	1	768	60.0	**52.6**	67.6	61.9
Great Lakes	GL2319R2	RR2Y	2.3	R	AC,PV	60.4	11.8	1	767	57.0	**51.8**	66.7	**65.9**
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	60.3	11.7	1	766	57.9	**53.1**	66.1	63.9
Federal	F224NRR2Y	RR2Y	2.2	R	ACi	60.3	11.7	1	766	58.7	**51.2**	66.3	65.0
Kruger	K2-2201	RR2Y	2.2	R	ACi	60.2	11.8	1	765	60.9	**50.9**	69.3	59.6
SOI	2208NRR2Y	RR2Y	2.2	R	None	60.1	11.8	1	763	58.2	**52.0**	67.7	62.6
Titan Pro	22M12	RR2Y	2.2	R	CMBV	60.1	11.9	1	763	58.2	**53.1**	69.3	59.9
Pfister	24R29	RR2Y	2.4	R	CMB	60.0	12.2	1	762	61.0	46.2	71.7	61.0
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CMBV	59.8	11.9	1	759	58.7	43.5	**76.3**	60.5
Pfister	22R20	RR2Y	2.2	R	None	59.7	11.7	1	758	57.4	**50.4**	67.8	63.1
Kruger	K2-2301	RR2Y	2.3	S	ACi	59.4	11.7	2	754	58.4	44.1	74.3	60.8
Latham	L2483R2 CK	RR2Y	2.4	R	SS+	59.5	12.7	2	756	60.2	46.7	73.2	57.8
Site Averages =						**59.1**	**12.0**	**2**	**751**	**59.2**	**46.0**	**70.4**	**60.9**
LSD (0.10) =						ns	0.3	ns		3.4	4.4	4.6	4.9

2.5-2.8 Maturity Group — Top 20 of 45 tested

Kruger	K2-2602	RR2Y	2.6	MR	ACi	**63.8**	11.8	0	810	66.0	**59.5**	70.2	**59.6**
Latham	L2648R2	RR2Y	2.6	R	SS+	**63.0**	12.0	2	800	**66.9**	53.0	72.7	**59.2**
NuTech/G2 Gen	7261^	RR	2.6	R	SCE	**62.9**	12.1	0	799	61.5	**58.1**	72.9	**59.0**
Channel	2706R2	RR2Y	2.7	MR	ACi	**62.8**	11.4	1	798	65.3	**59.9**	73.0	53.1
Stine	28RE20	RR2Y	2.8	R	None	**62.7**	11.9	0	796	65.0	**59.4**	70.9	55.3
Curry	1277	RR	2.7	R	?	62.3	12.1	1	791	61.6	**57.6**	72.4	57.6
Dyna-Gro	S25RY44	RR2Y	2.5	R	ACi	62.2	12.0	2	790	**66.9**	53.6	73.2	55.0
Prairie Brand	PB-2668R2	RR2Y	2.6	R	CMBV	61.0	11.8	1	775	61.5	54.2	**74.6**	53.8
Stine	26RD02 §	RR2Y	2.6	R	CMB	61.0	12.0	2	775	64.9	50.2	**74.7**	54.0
Hefty	H27R3	RR2Y	2.7	MR	I	60.9	11.9	1	773	64.1	53.9	69.1	56.4
Kruger	K2-2503	RR2Y	2.5	R	ACi	60.9	11.7	1	773	63.4	53.1	**74.5**	52.7
Federal	F263NRR2Y	RR2Y	2.6	R	ACi	60.9	12.0	2	773	63.1	51.0	72.1	57.2
Asgrow	AG2534	RR2Y	2.5	R	ACi	60.8	12.0	0	772	59.5	**60.9**	68.9	53.7
Hefty	H26R3	RR2Y	2.6	MR	I	60.8	11.8	2	772	62.3	54.2	73.7	53.0
NuTech/G2 Gen	7250^	RR	2.5	R	SCE	60.8	12.0	2	772	66.5	**55.0**	69.9	51.7
Curry	1252	RR	2.5	R	?	60.5	12.1	3	768	64.4	**55.2**	70.0	52.4
Dyna-Gro	S27RY03	RR2Y	2.7	R	ACi	60.3	11.6	1	766	62.4	52.5	72.8	53.5
Latham	L2585R2	RR2Y	2.5	R	SS+	60.1	12.5	3	763	**67.5**	42.2	71.8	**58.8**
Pioneer	92Y51 §	RR	2.5	R	None	59.8	11.6	1	759	62.4	52.1	69.0	55.6
NK Brand	S25-E5 §	RR2Y	2.5	R	CMBV	59.6	11.4	5	757	63.3	50.5	72.5	52.1
Latham	L2483R2 CK	RR2Y	2.4	R	SS+	59.1	11.9	1	751	63.1	46.1	71.2	55.8
Site Averages =						**58.9**	**12.2**	**2**	**747**	**62.6**	**49.9**	**70.1**	**52.7**
LSD (0.10) =						3.7	0.7	ns		4.0	4.9	3.7	5.2


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Soybean Field Notes: Iowa North Central

Soybean Stats:
Yield Range: 35.0-47.3 bu. per acre
Yield Average: 41.3 bu. per acre
Top $ Per Acre: $601

Iowa Falls—Cold, wet weather through much of May brought 6" of rain and did not allow for soybean planting in the area until June. This test was planted on June 8 and soil conditions at planting were marginal. The slow start limited vegetative growth and challenged root systems in wet soils until turning dry once again in August. Some varieties had varying degrees of white mold infection, which left scattered plants with flat pods. Plant heights ranged from 26" to 38" with no lodging present. This location averaged the highest yields for this region at 52 bu. per acre in the early-season test and 47.6 bu. per acre on the full-season test.

Laurens—This site received more than 15" of combined rainfall from May through June. Much of the soybean planting in the area was delayed until late June due to the wet spring. This field was no exception, being planted on June 20. After the slow start to planting, emergence was quick and stands were good. Weather then shifted directly into a dry pattern. As of July 30, this location was 4" of rain below the 30-year average rainfall since planting. No significant disease was noted during the season. Vegetative growth was limited and pods were set very close to the soil surface. Plant heights ranged from 22" to 39" with no lodging present on this test. The average yield here on the Laurens test plot was 47.1 bu. per acre on the early-season test and dropped to 45.4 bu. per acre on the full-season test.

Moorland—This site was challenged all season long. It was planted on June 8 since the wet spring conditions delayed soybean planting all across this area until June. The test location was moved to a location with lighter soil down the road from the original site because of the inability of heavy soil types on the farm to drain in a timely manner. After a 4" surplus of rain for May, weather turned very dry, leaving this field nearly 7" below the 30-year average rainfall from planting until the end of July. Plant growth was severely stunted and many varieties also suffered from the presence of sudden death syndrome. Areas of the field also revealed iron chlorosis. Pod load was light and pods per node were few. Plant heights ranged from 14" to 27" with no lodging. The average yield from this test revealed the tough conditions; the site averaged only 22.7 bu. per acre on the early-season test and 22.3 bu. per acre on the full-season test.

Shell Rock—This test site was planted on June 3 and the chronic wet weather that plagued the area into the beginning of June created challenging conditions for young plants to get established. Septoria brown spot was widespread across all varieties through July. Vegetative growth prior to flowering was limited and internodes were short. Dry weather followed from July into September and reduced seed size. Plant heights ranged from 23" to 35" with no lodging present. The final yields on this test were 47.7 bu. per acre on the early-season test and 45.2 bu. per acre on the full-season test.

Photo courtesy of Corey Rozenboom

This test site near Moorland, Iowa started the season very wet and then turned very dry. The weather pattern did not favor yields for many soybeans planted in the area this season."

FIRST Iowa North Central Soybean Results

Corey Rozenboom, FIRST Manager

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Iowa Falls	loam	minimum	15	6/8	172.0	low	1.25
Laurens	clay loam	minimum	15	6/20	171.4	low	3.28
Moorland	loam	minimum	15	6/8	173.8	low	2.12
Shell Rock	loam	minimum	15	6/3	141.8	low	3.54

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

2.1-2.4 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)	Iowa Falls	Laurens	Moorland	Shell Rock
LG Seeds	C2333R2	RR2Y	2.3	R	AC,PV	**47.3**	10.6	0	601	**59.2**	**50.6**	**28.4**	**51.1**
Prairie Brand	PB-2468R2	RR2Y	2.3	S	CMBV	**47.2**	10.4	0	599	**57.7**	**52.4**	**27.9**	50.7
Pfister	24R29	RR2Y	2.4	R	CMB	**47.1**	10.3	0	598	**57.4**	**51.5**	**28.4**	**51.2**
Channel	2306R2	RR2Y	2.3	R	ACi	**47.1**	10.4	0	598	**58.1**	44.7	**31.8**	**53.7**
Dyna-Gro	S24RY73	RR2Y	2.4	R	ACi	**46.9**	10.1	0	596	**57.4**	**52.2**	**27.0**	**51.1**
Kruger	K2-2201	RR2Y	2.2	R	ACi	**46.9**	10.4	0	596	**59.7**	47.2	**28.9**	**51.7**
Kruger	K2-2402	RR2Y	2.4	R	ACi	**46.4**	10.3	0	589	**58.4**	**51.0**	**26.3**	49.8
Asgrow	AG2433 §	RR2Y	2.4	MR	AC	**46.3**	10.2	0	588	**61.3**	50.2	**29.4**	44.2
Channel	2105R2	RR2Y	2.1	MR	ACi	45.5	10.7	0	578	**57.1**	46.7	**29.2**	49.0
FS Hisoy	HS 22A21	RR2Y	2.2	R	CMB	44.9	10.2	0	570	54.0	**53.7**	24.8	47.2
Stine	22RD00 §	RR2Y	2.2	MR	CMB	44.7	10.9	0	568	54.8	48.4	**27.5**	48.1
Federal	F224NRR2Y	RR2Y	2.2	R	ACi	44.1	10.4	1	560	55.4	48.5	24.7	47.9
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV	44.0	10.3	0	559	53.5	48.2	**26.3**	48.1
Titan Pro	22M12	RR2Y	2.2	R	CMBV	44.0	10.7	0	559	**58.1**	42.1	**25.7**	49.9
Pfister	22R20	RR2Y	2.2	R	None	43.8	10.3	0	556	52.6	48.0	**27.1**	47.5
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	43.8	10.5	0	556	**56.4**	46.9	**26.2**	45.6
Great Lakes	GL2289R2	RR2Y	2.2	R	AC,PV	43.7	10.3	0	555	50.8	46.6	**33.0**	44.2
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV	43.5	10.5	0	552	52.8	48.9	24.7	47.6
FS Hisoy	HS 24A32	RR2Y	2.4	R	CMB	43.5	10.5	0	552	48.2	49.9	25.1	**50.9**
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	43.4	10.6	0	551	52.7	48.2	24.9	47.7
Latham	L2585R2 CK	RR2Y	2.5	R	SS+	39.6	11.1	1	503	50.1	46.0	17.6	44.5
Site Averages =						**42.4**	**10.5**	**0**	**538**	**52.0**	**47.1**	**22.7**	**47.7**
LSD (0.10) =						3.6	ns	1		3.9	3.3	2.6	3.2
2.5-2.8 Maturity Group												**Top 20 of 42 tested**	
Steyer	2702R2	RR2Y	2.7	MR	SStd	**45.2**	10.2	0	574	**53.8**	47.4	**31.7**	47.9
Channel	2706R2	RR2Y	2.7	MR	ACi	43.2	10.6	0	549	50.2	**50.8**	20.2	**51.7**
Dairyland	DSR-2612/R2Y	RR2Y	2.6	R	CMB,O	43.2	10.8	0	549	48.8	**48.7**	**28.1**	47.2
FS Hisoy	HS 25A22	RR2Y	2.5	R	CMB	43.0	10.0	0	546	49.6	**49.0**	**26.7**	46.7
Asgrow	AG2632 §	RR2Y	2.6	MR	AC	42.9	11.1	0	545	**56.0**	48.1	19.5	48.0
Titan Pro	27M32	RR2Y	2.7	R	CMBV	42.8	10.6	0	544	46.8	**51.8**	**27.9**	44.5
Prairie Brand	PB-2668R2	RR2Y	2.6	R	CMBV	42.7	10.7	0	542	51.0	48.1	23.7	48.0
NuTech/G2 Gen	7261^	RR	2.6	R	SCE	42.7	11.0	0	542	50.5	48.4	24.8	47.0
Cornelius	CB27R83	RR2Y	2.7	R	None	42.6	10.9	0	541	**54.1**	43.1	**27.9**	45.1
Hefty	H26R3	RR2Y	2.6	MR	I	42.5	10.8	0	540	51.0	48.4	22.9	47.7
Steyer	2501R2	RR2Y	2.5	MR	SStd	42.4	10.8	0	538	51.9	**49.4**	22.7	45.5
Kruger	K2-2503	RR2Y	2.5	R	ACi	42.3	10.5	0	537	51.2	48.5	21.3	48.1
Kruger	K2-2704	RR2Y	2.7	R	ACi	42.0	10.9	0	533	47.4	**50.6**	23.0	46.9
FS Hisoy	HS 28A02	RR2Y	2.8	R	CMB	41.7	11.2	0	530	44.9	44.8	**29.6**	47.3
Dyna-Gro	S27RY03	RR2Y	2.7	R	ACi	41.2	10.7	0	523	44.8	**49.1**	**30.4**	40.5
Kruger	K2-2602	RR2Y	2.6	MR	ACi	40.9	10.7	0	519	45.3	47.4	23.2	47.7
Kruger	K2-2803	RR2Y	2.8	R	ACi	40.7	11.0	0	517	47.8	44.0	**26.5**	44.6
LG Seeds	C2835R2	RR2Y	2.8	R	AC,PV	40.6	11.2	0	516	49.5	43.6	25.3	44.1
Pfister	28R21	RR2Y	2.8	R	CMB	40.5	10.9	0	514	48.8	43.8	**25.9**	43.4
LG Seeds	C2672R2	RR2Y	2.6	R	AC,PV	40.3	10.4	0	512	48.4	42.4	**26.1**	44.3
Latham	L2585R2 CK	RR2Y	2.5	R	SS+	38.8	10.8	0	493	48.8	45.3	18.8	42.4
Site Averages =						**40.1**	**10.7**	**0**	**510**	**47.6**	**45.4**	**22.3**	**45.2**
LSD (0.10) =						4.0	ns	ns		4.6	3.2	3.3	3.4

FIRST Iowa South Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Anamosa	silty clay loam	no-till	15	5/23	145.0	none	2.32
Slater*	loam	minimum	15	6/28	140.9	none	0.98
Victor	silt loam	no-till	15	5/24	144.6	low	0.52
Yale	silty clay loam	minimum	15	6/20	136.8	low	1.25

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

Randy Meinsma, FIRST Manager

Soybean Stats:
Yield Range: 54.4-64.6 bu. per acre
Yield Average: 59.1 bu. per acre
Top $ Per Acre: $827

Soybean Field Notes: Iowa South Central

Anamosa—This site received a large amount of rain just after emergence that moved a lot of plant residue around the plants. Plant lodging was very high. Pods and soybeans were dry at harvest and there was little vegetation on plants. Pods were small and contained small seeds. The test looked very rough, giving low expectations, but it pulled through with good yields averaging 65.3 bu. per acre.

Slater—This area was hit hard with spring rain that held back planting soybeans. The ground was extremely saturated and had difficulty drying out. At the time of planting, conditions were not very good. Only two replications could be planted due to the wet conditions. After planting, high heat and dry conditions set in that also put the crop under greater stress. Plants did develop well but with an average of 49.8 bu. per acre the site did not reach the yield level this area can normally produce.

Victor—This test site did very well for the conditions it went through during the growing stages. Plants were average in height, upright with minimal lodging, full of pods and well matured. They were also very dry, which made harvest easy. Pods were small and contained small-sized, low-moisture seeds. The test average yield was 66 bu. per acre, which is greater than the surrounding fields. No weed or major disease presence was seen on this test.

Yale—Planting this test site was a challenge. Wet conditions this spring delayed planting dates for area fields. Low areas in the field held water and created stress on plants. Once the rain passed, it turned hot and dry. Overall, the test performed well, considering the stress levels it was dealing with. Plants were well matured with small pods containing medium-size seeds. No weed or disease pressure was seen in the test and lodging was minimal. This test averaged 54.5 bu. per acre.

2.4-3.1 Maturity Group — **Top 20 of 84 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Anamosa	Slater‡	Victor	Yale
Asgrow	AG2933 §	RR2Y	2.9	R	ACi	**64.6**	11.6	12	827	71.5	49.5	**76.4**	**60.8**
Titan Pro	TP-31R13	RR2Y	3.1	R	CMBV	**63.9**	10.5	11	818	64.7	**58.1**	**74.8**	58.0
Asgrow	AG2632 §	RR2Y	2.6	MR	AC	**63.8**	10.7	6	817	70.5	52.5	**73.4**	58.6
Dyna-Gro	S29RY74	RR2Y	2.9	R	ACi	**63.6**	11.2	11	814	70.6	57.7	70.1	55.8
Champion	31R34N	RR2Y	3.1	R	CMBV	63.0	10.8	16	806	67.8	53.6	68.6	**61.8**
Stine	29RD22 §	RR2Y	2.9	R	CMB	62.8	11.3	12	804	70.5	57.4	65.4	57.7
Steyer	3103R2	RR2Y	3.1	MR	SStd	62.6	10.5	14	801	70.2	55.1	67.3	57.7
LG Seeds	C2916R2	RR2Y	2.9	R	AC,PV	62.3	10.4	3	797	72.0	53.5	68.0	55.6
FS Hisoy	HS 28A32	RR2Y	2.8	R	CMB	62.2	10.4	4	796	**73.1**	47.5	71.6	56.7
Kruger	K2-2803	RR2Y	2.8	R	ACi	62.1	11.3	9	795	68.4	54.9	68.4	56.7
Kruger	K2-2402	RR2Y	2.4	R	ACi	62.0	10.4	7	794	68.4	**58.1**	63.3	58.2
Dairyland	DSR-2411/R2Y	RR2Y	2.4	S	CMB,O	61.8	10.1	9	791	64.5	55.0	**73.2**	54.5
Titan Pro	25M22	RR2Y	2.5	R	CMBV	61.8	10.2	11	791	69.2	49.6	71.6	56.8
Prairie Brand	PB-3124R2	RR2Y	3.1	R	CMBV	61.8	10.7	11	791	70.5	49.3	70.7	56.8
Channel	2605R2	RR2Y	2.6	R	ACi	61.5	10.3	10	787	71.9	49.9	64.8	59.5
Channel	2706R2	RR2Y	2.7	MR	ACi	61.4	10.1	13	786	67.6	51.5	71.0	55.3
Dairyland	DSR-2880/R2Y	RR2Y	2.8	MR	CMB,O	61.3	10.6	13	785	68.3	48.0	68.8	**60.2**
Renk	RS283NR2	RR2Y	2.8	R	None	61.2	10.4	12	783	70.1	51.7	68.4	54.6
Kruger	K2-3104	RR2Y	3.1	MR	ACi	61.2	11.9	14	783	72.8	51.1	67.0	53.9
FS Hisoy	HS 30A22	RR2Y	3.0	R	CMB	61.0	11.7	9	781	65.1	51.1	67.3	**60.4**
Site Averages =						**58.9**	**10.7**	**11**	**757**	**65.3**	**49.8**	**66.0**	**54.5**
LSD (0.10) =						4.6	0.8	ns		7.7	8.1	5.7	5.5

‡ = 2 replications

FIRST Iowa South Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Oakland	silt loam	no-till	15	6/3	129.3	none	3.55
Oskaloosa	silt loam	minimum	15	5/24	128.0	none	1.71
Washington	silty clay loam	no-till	15	6/10	140.7	low	0.26
Winterset	silty clay loam	minimum	15	6/13	134.1	none	1.00

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

Randy Meinsma, FIRST Manager

Soybean Stats:
Yield Range: 53.3-68.9 bu. per acre
Yield Average: 62.6 bu. per acre
Top $ Per Acre: $882

Soybean Field Notes: Iowa South

Oakland—This was an outstanding-looking test site. Receiving rain at the right time helped set good pods with large seed. Plants had full pods and were tall, some up to 38" in height. The soybeans matured well, making for an easy harvest. This test was planted after all the heavy spring rain and lodging was not an issue. No weed or disease problems were noted. Average yields from this test were 82.1 bu. per acre.

Oskaloosa—This test did very well, considering the stress it had during the growing season. It received some rainfall during the time of pod setting that really helped. Plants stood about 30" tall and had plenty of pods. Seed size was very small. Harvest was easy due to having well-developed plants with no leaves, dry stems and very little lodging. The average yield from this test site was 59.2 bu. per acre.

Washington—Just like other growers in the area, FIRST farmer Tom Vittetoe delayed planting at this site until June 10 due to persistently wet soil conditions. Emergence was solid with good early growth. Mid- to late-season rainfall was very limited. Vittetoe said that this area went 80-plus days without rain, which kept yields low. Soybean plants stood well with stems full of pods that contained small seed. Harvest was very easy at this location.

Winterset—This test was planted late, on June 13, and it shows all the effects of the stress the local area went through this growing season. Normally, we expect yields 20 bu. per acre better than those obtained this year, which averaged only 51 bu. per acre. Plants were short and filled with small pods and had a very small seed size. Some plants still had green stems and a few leaves at harvest. High heat and no rainfall for long periods of time affected yields. No weed or disease was observed here and lodging was not an issue.

2.6-3.6 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)	Oakland	Oskaloosa	Washington	Winterset
Renk	RS314NR2	RR2Y	3.1	R	None	**68.9**	11.0	1	882	85.3	**68.6**	**65.4**	56.1
Titan Pro	TP-31R13	RR2Y	3.1	R	CMBV	**68.6**	11.3	1	878	**88.1**	**65.7**	**64.4**	56.0
Titan Pro	35M12	RR2Y	3.5	R	CMBV	**67.1**	11.7	2	859	83.6	60.2	63.0	**61.6**
Dyna-Gro	S36RY24	RR2Y	3.6	R	ACi	**67.0**	12.4	1	858	87.5	**67.8**	63.1	49.4
Asgrow	AG2933 §	RR2Y	2.9	R	ACi	66.5	10.8	1	851	**89.5**	59.6	**64.0**	52.9
Pfister	35R25	RR2Y	3.5	R	CMB	66.5	11.6	1	851	**89.9**	60.3	58.6	**57.0**
FS Hisoy	HS 31A32	RR2Y	3.1	R	CMB	66.2	11.1	1	847	86.6	**64.8**	59.0	54.5
LG Seeds	C3055R2	RR2Y	3.0	R	AC,PV	65.5	10.9	1	838	83.1	58.9	63.7	**56.2**
SOI	3102NRR2Y	RR2Y	3.1	R	None	65.5	11.0	1	838	84.3	59.0	**65.2**	53.6
Dyna-Gro	37RY33	RR2Y	3.3	R	ACi	65.4	11.7	1	837	84.4	62.8	61.9	52.5
Kruger	K2-2905	RR2Y	2.9	MR	ACi	65.3	10.6	1	836	**87.9**	56.5	58.8	**57.9**
Renk	RS283NR2	RR2Y	2.8	R	None	65.1	11.1	1	833	81.5	61.2	61.1	**56.6**
Kruger	K2-3502	RR2Y	3.5	MR	ACi	64.9	11.4	1	831	83.1	**67.2**	61.5	47.6
Channel	3207R2	RR2Y	3.2	MR	ACi	64.6	11.0	1	827	84.9	58.1	**64.5**	50.8
Great Lakes	GL3429R2	RR2Y	3.4	R	AC,PV	64.5	12.0	1	826	81.8	**66.5**	59.7	50.0
Stine	29RD22 §	RR2Y	2.9	R	CMB	64.4	10.5	1	824	84.9	59.4	61.4	51.8
FS Hisoy	HS 35A32	RR2Y	3.5	R	CMB	64.4	12.0	1	824	84.7	60.3	60.1	52.6
FS Hisoy	HS 29A38	RR2Y	2.9	R	CMB	64.3	10.9	1	823	81.5	63.1	55.6	**56.9**
Prairie Brand	PB-2905R2 GC	RR2Y	2.9	R	CMBV	64.0	11.2	1	819	81.5	63.7	55.8	55.1
Channel	3303R2	RR2Y	3.3	R	ACi	63.8	10.9	1	817	85.6	58.8	58.4	52.3
Site Averages =						**62.6**	**11.4**	**1**	**802**	**82.1**	**59.2**	**58.3**	**51.0**
LSD (0.10) =						4.0	0.8	ns		5.5	5.5	5.6	5.2

FIRST Missouri Northwest Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Blue Ridge	silt loam	no-till	15	6/13	139.7	n/a	0.87
Graham	silty clay loam	no-till	15	6/4	136.3	none	5.46
Jamesport	sandy clay loam	no-till	15	6/13	145.4	n/a	0.46
Lamoni*	silt loam	minimum	15	6/13	140.5	n/a	0.31

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

Randy Meinsma, FIRST Manager

Soybean Stats:
Yield Range: 28.9-40.8 bu. per acre
Yield Average: 35.5 bu. per acre
Top $ Per Acre: $522

Soybean Field Notes: Missouri Northwest

Blue Ridge—The soil at this location was wet when the site was planted and received heavy rains just after planting on June 13. The early-season health and vigor looked strong when we took stand counts; however, a rainfall shortage and periods of high heat had a major impact on yield. Plants were short in stature. Pods were very dry, contained very small seed and split easily even though no pod shattering was observed. Weed control was very good here.

Graham—Despite having a planting date of June 4, yields were very good here. This test site was lucky enough to catch rain at the right time. Plants were very tall, up to 44" in height, which contributed to the lodging scores reported. Stems were full of small pods. The well-matured plants made harvest easy. No weed or disease pressure was seen. Average yields here were 61.6 bu. per acre.

Jamesport—Very short plants, small pods and very small seed size were the result of the considerable stress this site received. Heavy rain before and after planting was about the only moisture this test received. Late-emerging weeds came through due to poor canopy closure from the short soybean plants. Some varieties exhibited some pod shatter at harvest. The field across the road was replanted due to poor seedling emergence; their yield outcome was not any better than ours.

Lamoni—This location received heavy rainfall just after its June 13 planting and then it turned dry. The dry conditions shortened soybean plants and reduced pod and soybean seed size. There were some weed control escapes. Prior to harvest, the area received heavy rainfall that postponed harvest until Nov. 9. Plants were well developed with dry pods. There was evidence of pod shatter and soybean loss here. Average yields from our Lamoni FIRST test were 34.1 bu. per acre.

3.4-4.3 Maturity Group — **Top 20 of 30 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Blue Ridge	Graham	Jamesport	Lamoni
Asgrow	AG4232 §	RR2Y,STS	4.2	R	ACi	**40.8**	12.6	2	522	**39.1**	59.7	**21.6**	**42.9**
NuTech/G2 Gen	7414^	RR	4.1	R	SCE	39.8	12.4	1	509	**35.4**	60.5	**25.2**	37.9
Mycogen	5N385R2	RR2Y	3.8	MR	CMB	39.3	12.4	1	503	31.2	65.6	18.6	**41.8**
Pfister	43R29	RR2Y	4.3	R	CMB	38.4	12.9	1	492	**37.9**	60.3	**23.2**	32.3
Lewis	394R2	RR2Y	3.9	MR	ACi	38.4	12.2	2	492	**35.7**	64.4	15.9	37.5
LG Seeds	C3770R2	RR2Y	3.7	R	AC,PV	38.0	12.4	1	486	31.9	62.2	**21.1**	36.9
Pfister	42R26	RR2Y	4.2	R	CMB	37.6	13.0	1	481	**38.4**	57.6	19.3	35.0
NuTech/G2 Gen	7420^	RR	4.2	R	SCE	37.5	13.2	2	480	**36.7**	56.2	**20.9**	36.2
Mycogen	5N373R2	RR2Y	3.7	R	CMB	37.2	12.2	1	476	**34.5**	62.1	19.5	32.6
NuTech/G2 Gen	7360^	RR	3.6	R	SCE	37.1	12.3	1	475	**33.0**	62.9	17.6	35.0
Stine	38RD02 §	RR2Y	3.8	R	CMB	37.1	12.6	1	475	29.1	62.8	**20.8**	35.6
Lewis	414R2	RR2Y	4.1	MR	ACi	37.1	12.6	1	475	31.7	61.7	**20.9**	34.1
LG Seeds	C3989R2	RR2Y	3.8	R	AC,PV	36.9	12.3	2	472	**33.0**	61.7	17.5	35.4
Mycogen	5N393R2	RR2Y	3.9	R	CMB	36.7	12.4	1	470	30.7	64.5	17.2	34.4
NuTech/G2 Gen	7380^	RR	3.8	R	SCE	36.0	11.8	1	461	**33.0**	61.4	14.6	35.1
Stine	40RC32 §	RR2Y	4.0	R	CMB	35.9	12.6	2	460	30.3	64.5	17.0	31.7
NK Brand	S39-U2 §	RR2Y	3.9	R	CMBV	35.8	12.1	1	458	25.9	**66.2**	14.9	36.1
Pioneer	93Y84 §	RR	3.8	R	EE,G	35.4	11.9	1	453	31.5	59.7	**21.0**	29.5
Pioneer	P35T58R §	RR	3.5	R	EE,G	34.8	12.0	1	445	28.6	59.3	18.3	32.9
Pfister	36R29	RR2Y	3.6	R	CMB	34.1	12.3	2	436	24.3	60.8	15.6	35.6
Site Averages =						**35.5**	**12.3**	**1**	**454**	**29.1**	**61.6**	**17.2**	**34.1**
LSD (0.10) =						4.5	0.6	ns		3.9	4.3	3.6	4.6

FIRST Missouri Northeast Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Greentop	silty clay	no-till	15	6/12	n/a	n/a	0.53
Kahoka	silt loam	conventional	15	6/12	139.0	low	0.18
Macon	loam	conventional	15	6/11	154.2	high	0.26
Palmyra*	silt loam	no-till	15	6/11	149.7	high	0.86

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

Jason Beyers, FIRST Manager

Soybean Stats:
Yield Range: 34.0-45.7 bu. per acre
Yield Average: 39.8 bu. per acre
Top $ Per Acre: $617

Soybean Field Notes: Missouri Northeast

Greentop—A combination of moist soil at planting and over-abundant rainfall that followed planting did not prove favorable for soybean emergence at this location. A majority of the seeds rotted underground, resulting in only 5% to 10% seedling emergence. Because of this, the test was abandoned so FIRST farmer Terry Sevits could replant the field.

Kahoka—This location was planted late this season. Plants appeared to have good growth but just no pod set. The pods present were filled with very small soybeans and there were several varieties that had empty pods. Plants appeared to have died prematurely because most were still holding dead leaves. There was a lot of fodder that went in to the combine; just not many soybeans. FIRST farmer member Steve Weaver commented that we would be doing well to average 30 bu. per acre. The highest-yielding variety here produced 37.1 bu. per acre.

Macon—Due to late planting in this area, I decided to bump up the seeding rate at our Macon FIRST test site. Plants started off with good vegetation but the limited rainfall in June, July and August caused plants to be short with minimal pod set. The drought also aided in the data being somewhat variable. FIRST farmer Don Hinkle commented that their soybeans were averaging 30 to 35 bu. per acre in the area. The highest-yielding variety was 45.8 bu. per acre.

Palmyra—Seeding rates were increased at this location due to the late-season planting, which was done on June 11. The test did receive some timely rainfall that helped produce yields. Plants were all standing perfectly with good pod set and large seed size. There was little to no evidence of any disease pressure at the time of harvest. Overall, this was a nice, uniform test. The average yield on the Palmyra test was 56.1 bu. per acre.

3.4-4.3 Maturity Group — **Top 20 of 36 tested**

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income ($/A)	Greentop	Kahoka	Macon	Palmyra
FS Hisoy	HS 42A12	RR2Y	4.2	R	CMB	**45.7**	11.3	1	617	Test lost to wet soil and poor establishment	30.0	**45.8**	**61.3**
FS Hisoy	HS 43A32	RR2Y	4.3	R	CMB	44.7	11.9	1	603		**37.1**	36.6	60.3
Pfister	43R29	RR2Y	4.3	R	CMB	44.1	11.7	1	595		31.5	37.8	**62.9**
FS Hisoy	HS 40A32	RR2Y	4.0	R	CMB	43.5	10.6	1	587		30.0	**45.7**	54.7
Pfister	42R26	RR2Y	4.2	R	CMB	43.2	11.6	1	583		31.8	34.7	**63.2**
Lewis	423R2	RR2Y	4.2	R	ACi	43.0	11.4	1	581		29.8	34.7	**64.6**
Asgrow	AG4232 §	RR2Y,STS	4.2	R	ACi	42.4	12.0	1	572		30.6	34.1	**62.5**
LG Seeds	C3989R2	RR2Y	3.8	R	AC,PV	41.9	10.5	1	566		31.4	33.9	60.5
Pfister	36R29	RR2Y	3.6	R	CMB	41.8	10.6	1	564		28.9	37.9	58.7
LG Seeds	C3890R2	RR2Y	3.8	R	AC,PV	41.2	10.9	1	556		28.9	**40.9**	53.9
FS Hisoy	HS 39A22	RR2Y	3.9	R	CMB	40.8	11.4	1	551		28.1	34.3	59.9
Great Lakes	GL3729R2 §	RR2Y	3.7	R	AC,PV	40.2	10.5	1	543		32.2	33.3	55.1
NuTech/G2 Gen	7420^	RR	4.2	R	SCE	40.2	11.2	1	543		**33.9**	31.5	55.2
Stine	37RC82 §	RR2Y	3.7	R	CMB	39.9	10.5	1	539		27.9	31.5	60.2
LG Seeds	C4340R2	RR2Y	4.3	R	AC,PV	39.7	10.9	1	536		29.2	32.8	57.0
FS Hisoy	HS 37A22	RR2Y	3.7	R	CMB	39.7	11.0	1	536		32.3	27.3	59.5
LG Seeds	C3650R2	RR2Y	3.6	R	AC,PV	39.6	10.5	1	535		27.5	38.6	52.7
NuTech/G2 Gen	7414^	RR	4.1	R	SCE	39.6	11.1	1	535		28.5	33.6	56.7
FS Hisoy	HS 34A22	RR2Y	3.4	R	CMB	39.5	10.1	1	533		29.4	36.9	52.2
Asgrow	AG3832 §	RR2Y	3.8	R	ACi	39.5	10.4	1	533		27.8	31.9	58.9
Site Averages =						**39.8**	**10.9**	**1**	**537**		**29.9**	**33.4**	**56.1**
LSD (0.10) =						5.0	0.6	ns			3.6	5.4	5.1

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