

Ohio River & Mid-Atlantic Edition

first

farmers' independent research of seed technologies

Evaluating Corn Hybrids and Soybean Varieties



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



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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)
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)
A	Agrisure® Artesian®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)
AM-R	Optimum® AcreMax® (YGCB,HX,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)
AQ	Optimum® AQUAmax®
B	Blended seed (i.e. refuge blend)
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
DG	Genuity® DroughtGard®
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)
OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
OT	Optimum® TRIssect® (HX,RW,LL,RR2)
RR	Roundup Ready® Soybeans
RR2	Roundup Ready® 2 Corn
RR2Y	Genuity® Roundup Ready 2 Yield®
ST	Sulfonyleurea herbicide tolerant
STX	SmartStax® (VT3P,HXX)
VT2P	Genuity® VT Double PRO®
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO®
YGCB	YieldGard® Corn Borer

* 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®
At	Actellic®
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
CCB	Clariva Complete Beans
CE	Cruiser Extreme®
CM	CruiserMaxx® Corn
CMB	CruiserMaxx® Beans
CMBV	CruiserMaxx® Beans with Vibrance
D	Dynasty®
DST	Dominance ST
EE	Evergol™ Energy
Es	Escalate®
G	Gaucha®
I	Inovate™ System
L	Lorsban®
M	Maxim XL®
M	Maxim®
MQ	Maxim Quattro®
None	untreated
P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
PS	ProShield™ (Mid-Atlantic Seed)
PV	Poncho®/Votivo®
R	Raxil®
SS+	Soyshield Plus™
St	Stamina®
T	Trilex®
V	Votivo®

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

How to Interpret FIRST Trials

Farmers' Independent Research of Seed Technologies (FIRST) is an independent corn and soybean yield testing service. We compare product yield performance in grower fields across 16 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota, Virginia and Wisconsin. In 2014, we compared yields of 1,129 corn grain and 760 soybean products. In total, more than 83,800 plot strips in 550 tests spread across 333 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 and four soybean locations within the region. Products are replicated three times per test and grouped in blocks from front to back and side to side. This provides more precision in yield measurement and flexibility should a disruptive event require elimination of 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, 2,000 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

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. VPMMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMMaxx® and XL® are registered trademarks of DuPont Pioneer.

n/a – not available

ns – not significant

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

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.

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

first farmers' independent research of seed technologies

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CR0814STRYLDA155V00R0 A-26823-1



Corn Stats:
 Yield Range: 197.9-250.4
 Yield Average: 228.7
 Top \$ Per Acre: \$797.00

Corn Field Notes: Illinois West Central

Eric Beyers, FIRST Manager

Clayton—FIRST farmer member Terry Smith commented about the abundance of rain this year. He had his combine equipped with tracks to overcome the muddy fields. As expected with the rains, corn disease pressure in these tests was moderately high. Plant heights were average at 7–10' tall. Ears had good tip fill, but some hybrids did not flex as much and had shorter ear lengths. Kernel depth was mostly good except in some of the non-flexing ear hybrids. Standability was also mostly good, especially at this late harvesting date. Lodging scores reflect both root and stalk lodging.

Delavan—FIRST farming member Kevin Kendregan noted that August was extremely wet. Abundant rains pushed some hybrids to very top-end yields, while others did not overcome wet, soaked roots. Lodging was minimal other than a few hybrids that expressed considerable root lodging. Gray leaf spot pressure was moderately high. Grain quality, kernel depth

and tip fill were excellent. Plant heights ranged from 7–10' tall.

Galva—This site was lost due to being mowed down in August to accommodate a “bat mortality count” for a nearby wind turbine.

Macomb—FIRST farming member Jerry Lewis said that strong winds from a late-August thunderstorm caused extensive root lodging in his fields. Therefore, the FIRST corn tests could only be harvested in one direction. Stalk integrity was good, but “pinch tests” indicated deteriorating stalk pith. Stalk quality was such a dire issue that Jerry halted soybean harvest so he could finish corn harvest before it fell down. Moderate levels of gray leaf spot were present. Kernel depth varied from 3/8–1/2". Kernel quality was fair. Some weathered kernels were visible in grain samples. Ears had excellent tip fill and plant heights ranged from 10–12' tall.

Virden—FIRST farming member Roger Ladage said that wind from an Aug. 26 thunderstorm root-

lodged his fields. The tests had considerable lodging from both root and stalk rots. It was so bad, the tests had to be harvested in one direction. Leaf disease pressure was moderately high. Ear development was exceptional with excellent tip fill and kernel depth. Plant heights ranged from 7–10' tall. Relentless rains, including one 8" event, also caused harvest delays.

Williamsville—FIRST farming members Nick and Bruce Constant both commented on how good this season was for their farm. The field around the test averaged 270 to 285 bu. per acre. Good timely rains coupled with a lack of extensive storms or wind helped contribute to crop success. A strong wind just prior to harvest caused minimal lodging to the corn. This test had uniform emergence, ear consistency and outstanding kernel test weights, which helped to produce the big yields. Kernel size was 1/2–5/8" long. This site had great ear tip fills with shorter plant heights, ranging from 8–10' tall.

Site Information						2014 Rainfall (inches)					
Illinois West Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Clayton	silty clay loam	minimum	corn, 2+ yr	136	5/8	3.66	7.14	4.55	6.55	0.31	2.69
Delavan	silty clay loam	minimum	soybean	212	5/6	2.25	4.74	3.23	6.82	-1.11	3.32
Galva	silty clay loam	strip-till	corn, 2+ yr	240	5/7	4.77	9.46	4.59	4.06	0.75	-0.16
Macomb	silty clay loam	conventional	soybean	183	5/7	1.61	5.89	4.09	4.58	-0.04	1.07
Virden	silt loam	conventional	soybean	200	5/8	4.79	4.49	1.72	6.89	-1.89	3.97
Williamsville	silt loam	minimum	soybean	182	4/27	4.23	5.12	2.04	4.27	-2.43	0.98

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

FIRST Illinois West Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Clayton	Delavan	Galva	Macomb	Vrden	Williamsville#
Beck	XL 5828AMX^	AMX,AQ,B	Es,P1V	110	248.1	16.3	13	793	2	252.7	251.2		229.7	258.8	258.4
NuTech/G2 Gen	X5Z-0906^	OI	MQ,P1V,R	109	248.0	16.2	11	794	1	242.2	251.4		244.0	254.5	258.1
Channel	209-53STXRIB	STX,B	AC,P5V	109	246.9	16.2	10	790	3	239.8	254.2		237.2	256.2	271.1
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109	242.5	16.1	14	777	5	244.9	239.4		226.6	259.0	262.5
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	239.1	16.6	19	763	6	230.5	256.8		222.6	246.5	252.4
Dyna-Gro	D48SS38	AMXT	AC,P5V	108	238.9	16.8	9	761	7	225.6	235.3		236.3	258.4	243.0
Beck	XL 5939AMXT^	AMXT,B	Es,P1V	109	237.6	16.6	26	758	10	232.6	241.9		231.7	244.1	241.3
LG Seeds	LG5603STX	STX	AC,P5V	110	237.4	16.3	23	759	8	228.6	244.1		229.0	247.9	227.7
Renk	RK752SSTX	STX,B	AC,P2	105	236.2	15.7	13	759	9	220.8	252.2		221.0	250.6	253.8
Mycogen	X13665VX	VT3P	AC,P5V	108	236.1	16.2	24	756	12	230.4	252.8		226.0	235.1	240.6
Wyffels	W5138RIB	STX,B	AC,P5V	108	235.4	15.6	12	757	11	228.1	246.2		225.3	242.1	251.2
Renk	RK834SSTX	STX	AC,P2	111	235.2	17.2	8	747	15	228.1	240.3		221.6	250.9	234.5
Wyffels	W4968	STX	AC,P5V	107	234.0	15.5	13	753	13	231.3	240.6		223.5	240.5	261.4
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	233.5	16.5	20	745	19	237.6	240.4		215.4	240.6	250.8
Great Lakes	5755STXRIB	STX,B	AC,P5V	107	233.0	15.6	10	749	14	230.3	223.7		232.6	245.2	252.1
NuTech/G2 Gen	5F-008AM^	AM,AQ,B	MQ,P5V	108	232.6	15.9	10	746	18	229.3	233.0		227.9	240.0	260.0
Wyffels	W6628RIB	STX,B	AC,P5V	110	232.5	16.7	15	741	23	213.3	246.3		226.1	244.2	250.9
Dairyland	DS9307SSX	STX	CM,C2	107	232.4	15.6	16	747	16	223.9	240.0		231.9	233.7	217.5
Wyffels	W5448	STX	AC,P5V	108	232.1	15.5	7	747	17	222.4	242.5		215.9	247.6	262.3
Pfister	2545SS	STX	AC,P5	107	231.8	16.9	3	738	24	232.9	240.6		220.1	233.5	233.6
AgriGold	A6442STXRIB	STX,B	AC,P5V	109	231.6	17.0	18	736	25	228.8	231.5		225.1	240.8	252.5
FS InVISION	FS 56VX1 RIB	STX,B	AC,P5V	106	231.4	15.5	4	745	20	222.9	233.6		225.8	243.1	239.7
FS InVISION	FS 570X1 RIB	STX,B	AC,P5V	107	231.0	15.8	15	742	21	217.8	241.6		215.9	248.8	249.0
Lewis	R1407SS	STX,B	AC,P5V	107	230.9	15.7	7	742	22	230.5	234.6		215.5	242.8	257.1
Dyna-Gro	D50SS43	STX	AC,P5V	111	230.3	17.0	20	732	28	215.3	233.9		229.6	242.4	231.5
Great Lakes	6068STXRIB	STX,B	AC,P5V	110	230.1	16.9	14	732	29	219.9	226.1		226.6	247.8	239.3
Channel	210-95STXRIB	STX,B	AC,P5V	110	229.4	16.0	11	735	26	222.8	237.1		226.4	231.2	254.1
Pfister	2565VT3Pro	VT3P	AC,P5	108	228.7	16.3	19	731	30	230.8	247.7		207.2	229.0	233.7
Renk	RK791SSTX	STX,B	AC,P2	108	228.6	15.7	12	734	27	223.6	234.5		219.0	237.2	251.6
Spectrum	5967	None	CM,C2,St	109	223.2	15.6	7	789	4	215.1	238.6		208.6	230.4	killed
Pioneer	P0832AMRW CK	AMRW,B	MQ,P1V,R	108	219.3	16.3	35	701	48	212.8	233.0		218.7	212.8	240.7
Test Average =					228.7	16.2	17	734		224.2	235.8		218.0	236.6	244.3
LSD (0.10) =					10.3	0.7	16			15.4	21.3		19.3	14.4	19.0

Test lost - mowed for a bat mortality study

FULL-SEASON TEST 111-114 Day CRM

Top 30 of 63 tested

NuTech/G2 Gen	5Z-713^	OI	MQ,P1V,R	113	250.4	16.9	5	797	1	245.9	263.3		238.1	254.1	246.3
Beck	XL 6365AMX^	AMX,B	Es,P1V	113	245.1	17.1	14	779	3	232.2	245.9		237.6	264.6	261.2
Wyffels	W7888RIB	STX,B	AC,P5V	114	245.1	18.1	6	773	4	242.2	255.5		215.1	267.4	276.5
Stone	6448RIB	STX,B	AC,P5V	114	242.4	18.2	15	764	9	233.2	261.6		226.8	248.0	271.9
Wyffels	W7108	STX	AC,P5V	111	241.9	16.3	3	773	5	231.4	248.4		235.2	252.4	260.4
Steyer	11208VT3PRO RIB	VT3P,B	CM,C2	112	240.8	16.6	10	768	6	245.4	255.8		218.6	243.4	278.3
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	240.7	18.1	6	759	11	242.0	248.0		227.3	245.3	262.4
Renk	RK860VT3P	VT3P,B	AC,P2	111	240.1	16.6	17	766	7	214.1	263.0		225.7	257.5	249.3
Dyna-Gro	D51SS54	STX	AC,P5V	111	239.5	16.2	7	766	8	243.6	237.6		209.5	267.5	283.6
NuTech/G2 Gen	5F-811AM^	AM,B	MQ,P5V	111	239.4	17.2	16	760	10	234.3	239.6		229.5	254.0	240.8
Great Lakes	6462STXRIB	STX,B	AC,P5V	114	238.9	18.2	7	753	14	240.3	238.7		223.0	253.5	279.5
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	238.5	18.2	5	751	16	236.8	231.0		228.3	257.7	267.3
Stone	6148RIB	STX,B	AC,P5V	111	238.2	17.0	11	757	12	236.7	239.4		220.2	256.4	267.3
Augusta	A5565VT2Pro	VT2P	CM,C1	115	237.1	18.7	5	744	21	226.3	252.8		220.9	248.3	271.0
Dyna-Gro	D52SS91	STX	AC,P5V	112	236.9	18.4	10	745	19	233.6	248.2		213.1	252.5	264.8
Channel	211-24STXRIB	STX,B	AC,P5V	111	236.5	16.7	20	754	13	228.6	232.6		232.8	252.1	250.6
Renk	RK941SSTX	STX,B	AC,P2	114	236.4	19.2	3	739	23	245.0	255.1		199.5	246.0	251.7
Lewis	R1513SS	STX,B	AC,P5V	113	235.9	16.8	15	751	17	221.9	234.7		228.2	258.8	275.1
Wyffels	W7158	STX	AC,P5V	111	235.7	16.5	10	752	15	231.0	239.9		227.4	244.5	281.9
Stone	6258RIB	STX,B	AC,P5V	112	234.2	16.6	9	747	18	226.8	252.8		214.4	242.8	257.3
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V	113	233.3	19.2	8	729	30	242.6	240.8		200.2	249.4	278.6
Stone	6378RIB	STX,B	AC,P5V	113	232.8	16.8	25	741	22	220.2	236.8		224.9	249.1	266.2
Dekalb	DKC63-33RIB GC	STX,B	AC,P5V	113	232.7	16.2	22	745	20	220.5	240.5		223.1	246.8	251.5
NuTech/G2 Gen	5F-512^	AM,B	MQ,P5V	112	231.9	17.5	15	735	25	232.2	229.4		226.0	239.8	257.5
AgriGold	A6559STXRIB	STX,B	AC,P5V	113	231.9	17.7	19	733	27	226.9	229.9		228.0	242.8	239.0
Lewis	R1312SS	STX,B	AC,P5V	112	231.1	16.7	6	737	24	215.6	247.1		220.2	241.4	247.1
Lewis	R1511SS	STX,B	AC,P5V	111	230.6	16.8	5	734	26	232.3	240.6		209.1	240.5	238.0
FS InVISION	FS 64MX1 RIB	STX,B	AC,P5V	114	230.4	17.2	17	732	28	221.6	226.0		227.7	246.4	249.3
Pioneer	P1221AMXT GC	AMXT,B	MQ,P1V	112	229.8	17.0	17	731	29	205.1	231.2		221.0	261.9	247.2
Spectrum	6241	None	CM,C2,St	112	226.1	18.3	12	784	2	217.9	241.4		203.8	241.2	killed
Pioneer	P0832AMRW CK	AMRW,B	MQ,P1V,R	108	215.7	16.3	37	690	56	219.8	222.2		208.5	212.2	241.5
Test Average =					228.6	17.5	16	727		224.5	235.9		213.9	239.8	255.8
LSD (0.10) =					11.6	1.1	13			14.8	21.0		15.7	14.0	16.5

Test lost - mowed for a bat mortality study

Bold yields are significantly above test average. #=not included in summary, killed non-GMOs, early- and full-season tests



Corn Stats:
 Yield Range: 209.0-242.1
 Yield Average: 225.5
 Top \$ Per Acre: \$779.00

Corn Field Notes: Illinois East Central

Eric Beyers, FIRST Manager

Bethany—FIRST farming member Mike Bland commented on the poor stalk quality of some hybrids, “One of our corn fields that we just harvested was about one more windstorm away from being a lodged disaster.” Leaf diseases were moderately heavy. Gray leaf spot was very evident on many hybrids. Some northern corn leaf blight was also visible. Harvested seed quality was mostly good, but some exposed ears had a discolored, weathered appearance. Kernel depth, tip fill and girth were all excellent. Plant heights approached 12’ tall.

Forsyth—FIRST farming member Jim Cullison noted that his major challenge this year was the wet weather at harvest. A rain system halted a harvest day on Oct. 12. Yield and standability at this site was impressive with little to no lodging. As noticed at other Illinois sites, the grain on some hybrids had a weathered look, likely from rainwater infiltrating loose husks.

Paxton—FIRST farming member Mike Short noted that the tests got

a 6” rain within hours of planting. This reduced stands, especially in the early-season test, which lost one replication because the population was 3,000 to 20,000 plants per acre. Abundant rains were available throughout the season, so lower-populated hybrids displayed excellent ear flex. Plant heights were shorter, ranging from 7–10’. tall. This site was mistakenly sprayed with glyphosate, killing the non-GMO hybrids.

Towanda—FIRST farming member Judson Stover commented that around Labor Day, a 60-mph windstorm hit his farm, severely root-lodging his corn and creating the lodging scores seen here. Luckily, the stalk rinds on most hybrids were still strong enough to allow the combine to pull lodged plants into the header. Plant heights were moderate at 8–10’. Moderate gray leaf spot pressure was present. Ear development was awesome with good tip fill and kernel depths.

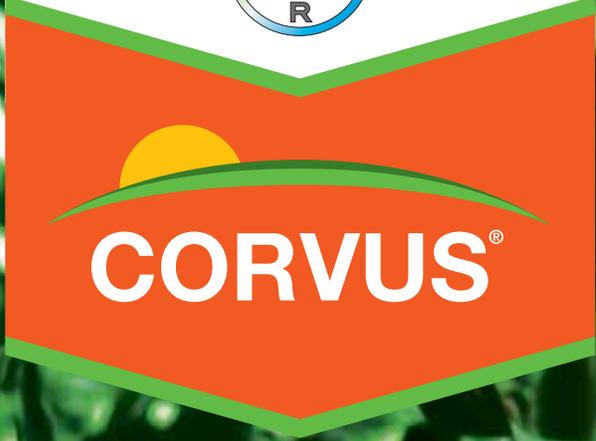
Tuscola—FIRST farming member John Carmack commented that

recent rains and higher humidity have kept him and other farmers in the area out of the fields. The trials here displayed much drier harvested grain moisture than some other recently harvested ILEC sites. Corn leaf diseases (gray leaf spot) were at a minimal pressure. Plant heights were shorter and ranged from 8–10’ tall. Some weathering discoloration could be seen on the grain, possibly from exposed ear tips.

Watseka—FIRST farming member Linden Wessel said a June 21 tornado passed within a quarter mile of the tests when corn plants were nearly waist high. The tests survived the heavy winds, which greensnapped a few hybrids, as well as the hail that bruised stalks. A second storm moved through the area in late September. It caused further stalk lodging in susceptible hybrids. Lodged stalks fell perpendicular to row direction, aiding in the harvest that was facilitated in one direction. Pollination and kernel fill were complete with good grain quality.

Site Information						2014 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Bethany	silt loam	strip-till	soybean	211	4/26	3.02	6.21	3.81	3.80	-0.70	0.63
Forsyth	silty clay loam	minimum	soybean	186	4/26	4.60	4.87	3.40	4.44	-0.58	0.67
Paxton*	silty clay loam	minimum	soybean	194	5/5	7.35	7.90	5.00	3.75	0.72	0.27
Towanda	silty clay loam	strip-till	soybean	223	5/6	4.37	6.51	3.08	4.59	-1.06	0.31
Tuscola	silty clay loam	no-till	soybean	184	5/5	4.82	6.17	4.02	5.36	-0.74	2.10
Watseka	sandy loam	minimum	corn, 2+ yr	202	5/4	3.57	7.95	3.31	4.05	-1.18	0.60

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



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FIRST Illinois East Central Corn Results

EARLY-SEASON TEST 105-110 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Bethany	Forsyth	Paxton#	Towanda†	Tuscola	Watseka
Channel	209-53STXRIB	STX,B	AC,P5V	109	238.2	17.4	13	755	2	248.7	265.3	222.4	249.5	235.6	191.9
Sun Prairie	SP2488	STX	AC,P5V	108	236.0	18.1	11	744	3	260.7	271.1	176.7	240.7	218.3	189.1
AgriGold	A6472VT3PRIB	VT3PB	AC,P5V	110	233.5	17.7	16	738	4	262.0	261.4	218.0	243.9	226.3	173.8
Mycogen	X13665VX	VT3P	AC,P5V	108	231.9	17.5	22	735	5	249.2	254.2	205.8	239.2	234.7	182.0
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109	231.4	17.5	22	733	7	261.8	260.6	212.2	234.5	222.2	178.1
Great Lakes	5755STXRIB	STX,B	AC,P5V	107	231.0	16.9	9	735	6	247.9	256.8	210.1	239.0	225.8	185.3
NuTech/G2 Gen	X5Z-0906^	OI	MQ,P1V,R	109	230.7	17.6	18	730	8	255.8	253.6	215.1	228.6	225.2	190.1
Beck	XL 5939AMXT^	AMXT,B	Es,P1V	109	230.2	18.2	8	725	11	246.2	255.8	216.6	242.4	217.6	188.9
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	230.0	17.8	6	727	9	255.9	258.1	214.6	234.2	217.0	184.9
ProHarvest	6990StaxRIB	STX,B	AC,P5V	109	229.9	18.0	7	725	12	250.5	260.6	191.4	250.3	219.1	169.0
Channel	210-95STXRIB	STX,B	AC,P5V	110	228.7	17.7	9	723	15	248.8	251.5	178.3	236.4	230.7	176.2
AgriGold	A6462STX	STX	AC,P5V	110	228.6	17.4	7	725	13	243.0	258.1	199.5	254.3	224.1	163.4
Renk	RK776SSSTX	STX,B	AC,P2	107	228.3	17.7	6	722	16	254.1	262.9	199.6	234.3	222.3	167.9
Beck	XL 5828AMX^	AMX,AQ,B	Es,P1V	110	227.9	17.5	20	722	17	253.2	262.4	201.5	246.6	221.2	156.3
Wyffels	W5448	STX	AC,P5V	108	227.1	16.6	8	724	14	245.4	258.1	205.5	241.3	219.7	171.0
Wyffels	W5138RIB	STX,B	AC,P5V	108	226.8	16.8	9	722	18	253.2	257.7	175.6	238.4	225.5	159.0
Wyffels	W4968	STX	AC,P5V	107	226.6	15.9	9	727	10	241.2	252.2	209.4	235.6	231.4	172.6
FS InVISION	FS 57QX1 RIB	STX,B	AC,P5V	107	225.6	16.6	15	720	19	248.1	255.1	232.6	252.3	212.8	159.6
LG Seeds	LG5603STX	STX	AC,P5V	110	225.5	17.5	11	714	21	238.7	253.7	182.3	231.0	222.8	181.1
Pfister	2545SS	STX	AC,P5	107	225.5	19.0	12	706	24	241.8	250.0	191.2	245.2	221.1	169.6
Renk	RK752SSSTX	STX,B	AC,P2	105	225.1	16.7	14	718	20	238.7	262.4	207.0	242.3	219.3	162.8
Pioneer	P0945AMX GC	AMX,AQ,B	MQ,P1V	109	224.4	17.6	13	710	23	243.9	249.0	219.2	235.3	183.9	209.8
Renk	RK791SSSTX	STX,B	AC,P2	108	223.4	16.9	8	711	22	233.7	250.2	185.3	237.9	220.9	174.2
Renk	RK834SSSTX	STX	AC,P2	111	222.7	18.6	10	699	27	237.5	263.2	216.0	230.4	214.0	168.4
NuTech/G2 Gen	5D-109^	AMX,B	MQ,P5V	109	222.5	18.2	13	701	26	246.1	246.1	190.4	246.3	200.2	173.8
Dyna-Gro	D50SS43	STX	AC,P5V	111	222.1	18.8	13	696	31	239.6	239.7	187.0	247.0	212.0	172.0
Dairyland	DS9307SSX	STX	CM,C2	107	220.6	16.7	12	703	25	242.1	243.6	212.3	239.0	229.0	149.1
NuTech/G2 Gen	5F-008AM^	AM,AQ,B	MQ,P5V	108	219.8	17.4	24	697	30	245.0	237.7	195.0	222.7	225.5	167.9
Great Heart	HT-6930VT2P	VT2P	AC,P5V	109	218.8	16.4	10	699	28	225.6	244.6	198.5	232.3	212.8	178.6
Spectrum	5967	None	CM,C2,St	109	218.0	16.3	25	767	1	222.5	241.4	killed	237.9	215.5	172.7
Pioneer	P0832AMRW CK	AMRW,B	MQ,P1V,R	108	219.9	17.3	13	698	29	237.5	251.3	191.6	237.7	206.6	166.4
Test Average =					222.2	17.6	13	705		242.5	250.3	197.7	234.3	216.0	168.0
LSD (0.10) =					9.5	0.5	13			10.0	12.1	30.5	14.1	14.9	19.4

FULL-SEASON TEST 111-114 Day CRM

Top 30 of 63 tested

Great Lakes	6462STXRIB	STX,B	AC,P5V	114	242.1	20.1	1	751	3	250.5	269.2	196.6	250.1	227.2	213.5
Wyffels	W7888RIB	STX,B	AC,P5V	114	241.4	19.8	10	751	4	259.5	274.8	210.0	244.7	225.8	202.4
Stone	6448RIB	STX,B	AC,P5V	114	241.3	20.1	13	749	5	264.7	271.8	206.9	251.9	227.6	190.3
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	240.3	20.2	7	745	6	246.9	265.0	219.3	245.7	235.0	208.9
Dyna-Gro	D52SS91	STX	AC,P5V	112	239.9	20.1	1	744	7	255.0	262.1	191.0	237.6	232.6	212.1
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	238.1	20.0	4	739	10	251.5	266.6	215.0	241.8	233.8	196.8
ProHarvest	8244StaxRIB	STX,B	AC,P5V	112	238.0	19.4	8	743	8	249.6	263.9	200.4	244.8	226.6	204.9
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V	113	237.8	22.0	4	726	18	251.3	271.5	201.0	240.7	227.7	197.9
Wyffels	W7108	STX	AC,P5V	111	237.5	17.5	5	752	2	261.9	262.3	191.6	246.5	227.0	189.7
Renk	RK941SSSTX	STX,B	AC,P2	114	236.0	21.9	4	722	20	252.8	264.9	179.5	241.1	216.6	204.6
Augusta	A4564GENSS	STX	AC,P5V	114	236.0	22.0	2	721	21	253.8	269.3	198.9	239.7	220.4	196.8
NuTech/G2 Gen	5Z-713^	OI	MQ,P1V,R	113	235.7	19.6	15	734	12	253.5	255.5	197.2	229.3	230.1	210.2
Stone	6258RIB	STX,B	AC,P5V	112	235.6	18.0	9	743	9	245.8	263.0	213.4	244.3	224.6	200.3
Stine	R9808EVT3Pro	VT3PB	AC,P2	114	235.2	21.5	9	721	22	240.1	246.4	193.7	241.7	241.6	206.1
Renk	RK860VT3P	VT3PB	AC,P2	111	232.8	18.2	15	733	13	257.4	254.9	220.5	238.6	229.0	184.3
Sun Prairie	SP2708	STX,B	AC,P5V	112	232.5	19.5	3	725	19	243.1	244.2	208.4	247.8	221.9	205.5
Dyna-Gro	D51SS54	STX	AC,P5V	111	232.3	17.5	8	736	11	239.5	267.9	226.7	243.4	229.5	181.0
Stone	6378RIB	STX,B	AC,P5V	113	231.7	18.0	13	731	15	252.8	272.9	187.8	238.8	234.8	159.4
Wyffels	W7158	STX	AC,P5V	111	231.2	17.5	9	732	14	252.5	255.6	225.3	247.9	224.7	175.2
Steyer	11407VT3PRO RIB	VT3PB	CM,C2	114	230.9	20.0	8	717	24	255.2	246.4	175.4	235.8	227.0	189.9
Steyer	11208VT3PRO RIB	VT3PB	CM,C2	112	230.5	18.0	14	727	16	248.1	261.5	213.0	240.6	220.2	182.2
Dyna-Gro	D51VP32	VT3P	AC,P5V	111	230.3	17.9	14	727	17	247.2	251.5	205.6	240.0	234.8	178.1
AgriGold	A6559STXRIB	STX,B	AC,P5V	113	230.2	19.9	9	715	26	246.0	249.9	191.0	237.8	220.5	196.7
Mycogen	2C799	STX,B	CM,C2	114	229.8	19.7	5	715	27	243.8	249.1	189.0	238.6	219.1	198.5
FS InVISION	FS 62SX1 RIB	STX,B	AC,P5V	112	229.0	18.8	4	718	23	237.7	252.6	177.8	239.6	227.5	187.8
Spectrum	6241	None	CM,C2,St	112	228.7	20.8	15	779	1	252.8	258.8	killed	214.8	220.8	196.1
Great Heart	HT-7240VT2PRIB	VT2P,B	AC,P5V	112	228.2	19.0	18	714	28	248.3	247.4	205.6	225.9	232.5	186.8
Wyffels	W7448	STX	AC,P5V	112	227.4	18.3	19	716	25	247.1	259.4	196.9	241.0	226.1	163.5
Channel	213-59STXRIB	STX,B	AC,P5V	113	227.1	18.5	26	714	29	249.0	258.0	216.1	219.6	228.5	180.2
Pfister	2595RA	STX,B	CM,C2	111	226.6	18.2	7	714	30	237.1	250.3	188.4	236.4	228.4	180.9
Pioneer	P0832AMRW CK	AMRW,B	MQ,P1V,R	108	222.8	17.5	14	706	44	241.8	231.9	222.5	244.4	220.5	175.4
Test Average =					228.7	19.5	11	714		244.8	253.5	197.8	233.3	222.4	189.5
LSD (0.10) =					10.0	0.9	14			9.2	11.8	21.6	15.4	13.2	15.9

Bold yields are significantly above test average. † = 2 replications, early- and full-season tests; # = not included in summary, killed non-GMOs, early- and full-season tests



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Corn Stats:

Yield Range: 192.3-225.3
 Yield Average: 206.3
 Top \$ Per Acre: \$859.00

Corn Field Notes: Illinois South

Eric Beyers, FIRST Manager

Belleville—Trials were planted into a good tilled seedbed, which produced uniform emergence and stands. Lodging scores consisted mostly of stalk rot, but a few hybrids displayed root rot. A small amount of greensnap occurred. Leaf disease pressure was moderate. Ears had excellent tip fill and good kernel quality. Kernel depth was good but not the biggest for this group of hybrids. Plant heights ranged from 10–12’ tall.

Du Quoin—FIRST farming member Don Barttelbort said this is probably his best crop year ever. Corn had good, even emergence with consistent stands and abundant rains. Ear size was consistent with great tip fill. Yields from areas with water ponding suffered to various degrees. One replication was removed from the early-season test to eliminate this issue. Plant heights were shorter at 6–8’ tall. Lodging was mostly minimal, but there was some stalk rot. Leaf disease pressure was moderate and grain quality was impressive.

Flora—Seeding rates were raised slightly at this location. There was abundant rainfall and most hybrids responded quite well. FIRST farming member Kent Warren noted that an Aug. 18 windstorm caused some greensnap in his corn fields. Lodging scores primarily reflect stalk lodging but also include this minimal amount of greensnap. Leaf disease pressures were moderately high, and gray leaf spot was still noticeable at harvest. Ear tip fill was good in all hybrids. Ear size varied somewhat. Plant heights were normal at 8–11’ tall.

Greenville—FIRST farming member Shad Kleiner’s field planted perfectly. It had a gentle slope, which allowed the abundant rains to surface drain well. The tests had uniform emergence and stands. Disease pressure was moderately high with both gray leaf spot and northern corn leaf blight. Plant heights were average at 8–10’ tall. Ear development was great with excellent tip fill and 0.5” kernel depths.

Salem—FIRST farming member Tom Beyers reported that corn yields here were comparable to many of his area fields. During the last two weeks in July, temperatures reached the mid- to upper 90s without rain. This stressed the hybrids during early ear development, reducing overall ear size. Otherwise, abundant rainfall kept soils wet. Stalk rot was the major cause of lodging scores. Leaf disease pressure was moderate. Ear size ranged from 4–6” in length. Ear tip fill and kernel depth were mostly good. Plant heights were short at 6–8’ tall.

Vandalia—Planting conditions here were on the damp side. Numerous rains possibly contributed to a little lower final stands; however, many hybrids flexed their ears upward of a foot in length! Ear tip fill was excellent along with kernel depth, which was 0.5”. Gray leaf spot, the main corn leaf disease pressure, was moderately high and still visible at harvest. Plants ranged in height from 8–11’ tall.

Site Information						2014 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Belleville	silt loam	conventional	soybean	160	5/10	2.57	4.51	1.73	5.01	-2.32	1.71
Du Quoin	clay loam	no-till	soybean	206	5/28	5.21	5.85	3.63	5.85	-0.23	2.71
Flora	silty clay loam	minimum	soybean	205	5/24	1.36	2.42	3.04	6.53	-1.07	3.39
Greenville	silt loam	minimum	wheat/soybean	160	5/9	2.43	3.97	2.59	4.52	-1.32	1.73
Salem	silty clay loam	conventional	soybean	160	5/24	3.66	3.80	4.17	7.42	0.15	4.03
Vandalia	silty clay loam	minimum	soybean	188	5/10	2.67	3.72	2.94	5.21	-0.66	2.01

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

FIRST Illinois South Corn Results



EARLY-SEASON TEST 107-112 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Belleville	Du Quoin	Flora	Greenville	Salem	Vandalia
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	225.3	15.7	2	836	2	251.9	219.5	199.9	242.2	187.1	251.2
Dyna-Gro	D52VC91	VT2P	AC,P5V	112	223.1	15.5	4	829	3	253.8	207.9	210.2	247.2	179.3	240.0
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	221.8	16.0	1	822	5	262.5	228.2	200.1	232.2	168.9	238.6
LG Seeds	LG5607VT2PRIB	VT2P,B	AC,P5V	111	219.1	14.8	1	817	6	255.4	211.4	211.1	219.3	186.6	230.8
Channel	210-93VT2PRIB	VT2P,B	AC,P5V	110	217.1	14.8	2	810	7	249.9	205.4	197.8	227.0	182.6	239.9
Augusta	A5658GT3000	3000GT	CM,C2	108	217.0	14.8	1	809	8	257.3	198.8	213.4	226.6	168.7	237.3
Wyffels	W6626RIB	VT2P,B	AC,P5V	110	216.9	14.8	2	809	9	246.9	214.3	211.6	219.8	167.7	240.9
Stone	6142RIB	VT2P,B	AC,P5V	111	216.9	15.1	3	808	10	253.4	194.9	206.3	221.7	188.0	237.2
Dairyland	DS9610	3000GT	CM,C2	110	216.1	14.9	1	806	11	248.3	218.4	210.8	217.2	177.4	224.2
Great Heart	HT-7240VT2PRIB	VT2P,B	AC,P5V	112	214.8	14.2	1	801	12	254.3	196.2	229.0	214.8	169.5	225.0
Channel	209-51VT2PRIB	VT2P,B	AC,P5V	109	214.2	15.3	1	797	13	245.0	214.4	206.5	215.7	155.7	247.8
Dekalb	DKC61-88 GC	VT3P	AC,P2	111	213.8	14.7	4	797	14	237.2	215.8	203.3	222.8	175.8	227.6
Beck	Phoenix 5832A3^	3011A	Es,P1V	112	213.7	15.2	6	796	15	250.6	201.5	211.3	229.6	153.4	235.6
Beck	XL 5828AM^	AM,AQ,B	Es,P1V	110	213.3	14.8	1	796	16	260.3	195.0	186.6	226.3	167.1	244.4
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	213.3	14.9	2	796	17	250.6	206.4	193.8	229.0	174.1	225.8
Beck	XL 6175AM^	AM,B	Es,P1V	112	213.0	15.6	6	791	18	255.5	202.0	190.4	219.3	179.3	231.2
LG Seeds	LG5612STX	STX	AC,P5V	112	211.6	15.0	1	789	19	240.5	210.5	197.2	220.7	166.6	234.0
Seed Consultants	SC 11AQ15	3000GT	MQ,C5	112	211.6	16.3	4	782	24	239.3	208.4	203.4	228.4	157.5	232.4
Steyer	11208VT3PRO RIB	VT3P,B	CM,C2	112	210.9	15.0	1	787	20	249.7	190.3	197.0	234.2	170.7	223.4
Wyffels	W7158	STX	AC,P5V	111	210.8	14.9	1	786	21	239.1	193.5	201.6	223.5	170.6	236.7
Pfister	3366RA	STX,B	CM,C2	115	210.7	15.3	5	784	22	243.8	208.6	201.9	213.3	182.1	214.4
Spectrum	6241	None	CM,C2,St	112	210.3	15.7	4	859	1	245.9	222.9	183.3	219.2	163.3	227.4
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	210.3	14.7	8	784	23	244.4	197.3	217.1	226.0	155.7	221.5
Wyffels	W7448	STX	AC,P5V	112	209.5	14.9	16	781	25	236.1	207.6	213.9	234.1	144.2	221.1
Stone	6052RIB	VT2P,B	AC,P5V	110	208.8	14.7	7	779	26	236.6	208.9	214.0	216.8	154.4	222.3
NuTech/G2 Gen	5F-811AM^	AM,B	MQ,P5V	111	208.0	15.4	3	774	29	244.1	212.4	198.1	219.1	170.3	204.1
FS InVISION	FS 62SX1 RIB	STX,B	AC,P5V	112	207.8	15.0	0	775	27	235.3	203.8	201.6	225.7	168.2	211.9
Seed Consultants	SCS 1094AM-R^	AM-R,AQ,B	MQ,C2	109	207.7	14.7	1	775	28	248.9	215.6	181.9	214.3	166.1	219.3
Great Heart	HT-7150VT2PRIB	VT2P,B	AC,P5V	111	207.3	14.9	1	773	30	234.3	194.2	203.9	222.5	170.1	218.8
Spectrum	5967	None	CM,C2,St	109	201.6	14.5	2	827	4	230.5	185.9	189.8	220.4	158.6	224.1
Pioneer	P1221AMXT CK	AMXT,B	MQ,P1V	112	201.8	15.0	2	753	43	241.3	172.4	194.2	206.7	172.0	223.9
Test Average =					207.9	15.0	4	778		240.2	201.1	198.0	219.5	165.5	223.1
LSD (0.10) =					9.6	0.4	6			13.6	20.9	18.3	11.1	19.3	16.9

FULL-SEASON TEST 113-116 Day CRM

Top 30 of 48 tested

Channel	217-41DGVVT2PRIB	VT2P,DG,B	AC,P5V	117	218.6	15.9	1	810	1	256.6	196.9	233.1	231.6	160.6	232.7
Dyna-Gro	D56VC46	VT2P	AC,P5V	116	216.6	16.6	3	799	6	256.7	198.5	209.1	232.7	168.2	234.1
Steyer	11504VT2PRO RIB	VT2P,B	CM,C2	115	215.8	14.5	2	805	2	258.6	196.8	216.1	232.4	159.1	231.6
Wyffels	W7888RIB	STX,B	AC,P5V	114	215.7	16.0	0	799	7	263.3	205.3	207.2	224.2	154.8	239.1
Wyffels	W7736RIB	VT2P,B	AC,P5V	113	215.5	14.9	3	804	3	255.3	190.9	223.5	227.7	162.3	233.5
Stone	6362RIB	VT2P,B	AC,P5V	113	215.5	15.3	4	802	5	248.6	203.2	220.9	221.3	167.0	232.2
Channel	213-57VT2PRIB	VT2P,B	AC,P5V	113	215.3	15.1	1	803	4	241.9	197.6	225.7	226.8	167.0	233.0
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	214.0	15.5	1	796	8	249.9	201.6	216.1	214.2	166.2	235.8
LG Seeds	LG5638VT2P	VT2P	AC,P5V	114	213.3	15.8	1	791	9	247.6	193.9	212.6	228.1	168.4	229.2
Beck	6347	GT	Es,P1V	113	212.3	16.0	2	787	10	234.3	207.0	209.9	214.6	166.7	241.3
Wyffels	W7806RIB	VT2P,B	AC,P5V	113	211.2	16.2	0	781	13	249.6	194.0	214.2	220.9	179.5	209.1
Stone	6612RIB	VT2P,B	AC,P5V	116	210.9	15.4	0	785	11	250.7	195.2	216.4	225.3	174.9	202.7
Wyffels	W8377	VT3P	AC,P5V	115	210.9	15.8	5	782	12	243.5	200.5	216.5	220.2	156.5	228.0
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V	113	209.4	16.2	1	775	15	243.3	204.9	198.1	217.6	155.6	236.9
LG Seeds	LG5622STX	STX	AC,P5V	113	208.9	15.4	1	777	14	245.4	187.1	213.0	218.6	157.0	232.5
Dekalb	DKC64-87RIB GC	STX,B	AC,P5V	114	208.1	15.3	1	775	16	251.8	196.3	209.5	215.4	148.1	227.3
Beck	XL 6626AM^	AM,B	Es,P1V	114	207.1	15.5	2	770	17	247.6	198.8	206.1	219.1	148.3	222.5
FS InVISION	FS 66JV4 RIB	VT3P,B	AC,P2	116	206.5	16.0	2	765	19	247.2	182.7	221.5	209.2	159.5	219.1
Dyna-Gro	D53VC13	VT2P	AC,P5V	113	206.3	15.2	1	768	18	243.4	193.9	202.3	216.9	162.0	219.4
FS InVISION	FS 65SV4 RIB	VT3P,B	AC,P2	115	206.1	15.9	3	764	20	252.8	196.8	209.4	200.9	149.6	227.2
AgriGold	A6659VT3PRIB	VT3P,B	AC,P5V	116	205.8	16.3	3	761	22	248.1	201.4	196.3	199.6	168.3	220.8
NuTech/G2 Gen	3F-814^	AM-R,AQ,B	MQ,P5V	114	204.9	14.4	7	764	21	250.4	177.5	214.4	208.1	158.1	220.6
Seed Consultants	SC 11AQ35	3000GT	MQ,C2	113	204.5	15.7	6	759	23	224.8	209.7	201.9	216.9	150.4	223.5
Pfister	3488HR	HX,RR2	CM,C2	115	204.2	16.5	1	754	25	242.9	183.8	219.3	217.9	149.7	211.8
LG Seeds	LG2636VT3PRIB	VT3P,B	AC,P5V	114	204.1	16.0	3	756	24	243.4	185.0	197.4	226.9	144.0	228.1
Augusta	A4564GENSS	STX	AC,P5V	114	203.4	16.2	1	753	28	239.9	185.8	200.6	198.0	148.5	247.4
Stone	6432RIB	VT2P,B	AC,P5V	114	202.9	15.9	4	752	29	246.4	184.3	200.4	216.8	152.5	216.9
AgriGold	A6559STXRIB	STX,B	AC,P5V	113	202.8	15.4	2	754	26	238.6	184.7	211.4	204.8	161.9	215.6
Dairyland	DS9314RA	STX,B	CM,C2	114	202.6	15.8	3	752	30	233.3	180.6	205.7	221.6	161.8	212.4
Dekalb	DKC63-33RIB GC	STX,B	AC,P5V	113	202.1	14.7	2	754	27	222.8	192.3	205.6	222.9	159.9	209.2
Pioneer	P1221AMXT CK	AMXT,B	MQ,P1V	112	196.8	15.2	2	733	39	250.8	178.7	194.9	207.6	134.7	214.1
Test Average =					204.7	15.7	3	759		243.7	188.0	206.5	214.6	154.5	220.6
LSD (0.10) =					8.6	0.6	5			16.1	21.8	18.1	17.5	19.4	16.4

Bold yields are significantly above test average.



Rich Schleuning, FIRST Manager



Corn Field Notes: Indiana Central

Corn Stats:

Yield Range: 208.1-242.6

Yield Average: 225.8

Top \$ Per Acre: \$798.00

Greensburg—This location has used a cover crop of rye, clover and radish for the last four years. The soil structure has changed over the last couple of years. At planting, white grub was present. Corn flea beetle and Japanese beetle were present in early July. Disease pressure was light with some diplodia ear rot and anthracnose. Grain moistures were high because of the later planting date and cooler-than-normal temperatures this season.

Otterbein—At the time of planting, three weeks after the rest of the field, the crop around these tests was just starting to emerge. Weather conditions were ideal for the tests as seedlings emerged within four days. A visit on June 27 showed the crop stage was at V10 with a nice, dark, lush green color and healthy plants. This crop was standing nice at harvest with only a few tops broken off. Corn shelled easily, even with a soft cob. Some light disease pressure was present at harvest, as dust on the combine was black.

Perrysville—This site was planted 2.5 weeks after the surrounding field but got off to a great early start with a nice even emergence. Environmental stress shortened up plant heights across much of the site. These shortened plants had broken tops and no attached leaves, while the taller corn retained tops and leaves. South of the test area, corn had much better plant quality and yield. Disease pressure was high in the trials with gray leaf spot, light gibberella stalk rot and anthracnose.

Spiceland—Because of the spring conditions, this site was planted two and half weeks after the surrounding field. The crop got off to a nice start, with emergence in three days. In June, this crop looked like a record breaker. However, an untimely dry spell in July stole away some of the top-end yield. Disease was very light; the biggest presence was leaf blight. Harvest in this area was slowed from persistent rains this fall. The day of harvest, the area still had a fair amount of soybeans to cut.

Windfall—A visit on June 29 revealed the start of pollination was only a week away here. At that time there was light infestation of anthracnose, leaf blight and diplodia leaf streak. The blight was evident as a black dust coated the combine. The lodging scores reflect products that had tops broken off. No stalks were lodged below the ear, but stalk quality was weak. The full-season test was rejected because a combine strayed into the test and harvested more than one complete replication.

Wingate—This site had a nice uniform emergence, and all stalks had a nice ear. The wet conditions this season fostered the development of several diseases early on. Light infestations were present, but the persistent cool and wet conditions without extreme heat kept diseases in check and prevented them from escalating. At harvest, the crop was standing nicely, but the pinch test revealed stalk weakness. Grain shelled really well even though cobs were spongy.

Site Information Indiana Central						2014 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Greensburg	clay loam	no-till	corn 2+, rye, radish, clover	214	5/28	3.87	3.84	4.76	3.32	0.80	-0.62
Otterbein	silt loam	minimum	soybean	167	5/8	4.39	4.65	4.00	4.74	-0.20	1.13
Perrysville	silty clay loam	minimum	soybean	158	5/27	5.36	6.80	5.66	4.16	1.07	0.77
Spiceland	silty clay loam	no-till	soybean	192	5/29	5.07	5.27	2.75	4.82	-1.80	1.57
Windfall	silty clay loam	conventional	soybean	177	5/9	4.92	8.14	3.93	6.73	-0.39	3.16
Wingate	silty clay loam	minimum	soybean	176	5/20	3.59	4.14	3.01	5.05	-1.47	1.50

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

FIRST Indiana Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

Top 30 of 60 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Greensburg	Otterbeint†	Perrysville‡	Spiceland	Windfall#	Wingate
Channel	209-53STXRIB	STX,B	AC,P5V	109	236.9	22.0	1	788	2	228.7	251.1	237.7	216.3	237.3	250.4
Ebberts	9488SSX	STX	AC,P5V	108	235.9	20.5	1	793	1	228.5	245.5	237.2	210.5	258.8	235.1
NK Brand	N68B-3122	3122,B	AVC,C5	111	234.1	21.3	1	782	4	232.7	252.5	227.9	208.0	228.7	254.5
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109	233.5	20.8	0	783	3	211.1	254.6	236.0	211.6	262.2	225.2
Stewart	7A747RIB	STX,B	AC,P5V	110	233.2	20.9	1	782	5	222.8	242.2	227.1	227.5	243.8	235.8
Ebberts	7109VT3PRIB	VT3P,B	AC,P5	109	232.3	20.6	1	781	6	220.2	248.6	232.0	214.8	237.3	241.1
Dyna-Gro	D50SS43	STX	AC,P5V	111	231.8	22.3	1	769	10	227.4	245.4	230.7	219.8	243.6	227.3
Channel	210-95STXRIB	STX,B	AC,P5V	110	231.6	21.2	1	775	7	225.1	236.7	229.3	236.7	220.8	241.2
Select	4984SM RIB	STX,B	AC,P5V	110	231.6	24.2	0	757	20	226.0	250.6	235.2	215.4	232.9	229.2
LG Seeds	LG5603STX	STX	AC,P5V	110	229.7	20.9	1	770	8	236.5	245.5	224.8	206.1	232.4	233.0
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	228.8	21.5	1	764	14	235.1	248.5	224.1	198.8	240.0	226.4
Beck	XL 5828AM^ GC	AM,AQ,B	Es,P1V	110	228.7	21.0	1	766	13	212.3	248.5	217.2	219.0	238.2	237.1
Select	4995SM RIB	STX,B	AC,P5V	110	228.6	22.5	1	757	21	212.1	243.4	224.6	216.5	239.6	235.2
Augusta	A4658GT3110	3110	CM,C5	108	228.1	20.5	1	767	12	233.2	245.4	211.8	201.9	262.4	214.0
LG Seeds	LG5591STXRIB	STX,B	AC,P5V	110	227.9	21.8	1	759	17	210.7	244.3	214.1	220.9	236.4	241.0
Superior	S8364SSTXRIB	STX,B	AC,P2	107	227.2	19.8	1	768	11	234.3	233.8	221.0	219.9	229.9	224.1
AgriGold	A6416STXRIB	STX,B	AC,P5V	107	226.9	20.3	1	764	15	217.3	240.7	230.6	213.3	243.7	215.9
Stewart	7A259RIB	STX,B	AC,P5V	108	226.8	20.4	1	763	16	214.0	259.3	228.8	205.2	243.8	209.4
Stewart	6V556RIB	VT3P,B	AC,P5V	107	226.4	19.0	1	770	9	224.4	248.4	218.4	195.0	226.4	245.9
NuTech/G2 Gen	X5Z-0906^	OI	MQ,P1V,R	109	226.3	21.0	1	758	18	233.6	247.0	235.2	182.0	230.4	229.5
Steyer	10904GENSSRIB	STX,B	CM,C2	109	225.9	21.2	1	756	24	205.6	232.5	228.8	223.2	241.2	224.3
Specialty	4611GENVT3PRIB	VT3P,B	AC,P5V	110	225.8	21.5	1	754	27	221.8	220.5	224.2	209.2	240.8	238.4
NK Brand	N67S-3110	3110	AVC,C5	110	225.7	20.9	1	757	22	222.6	250.0	220.6	203.8	243.2	213.8
Armor	0700Pro2	VT2P,B	AC,P5V	107	225.5	20.8	1	757	23	221.8	240.4	228.8	210.5	226.4	224.9
Augusta	A5658GT3000	3000GT	CM,C2	108	225.1	20.9	1	755	25	227.7	243.9	222.5	196.5	237.6	222.4
NK Brand	N60F-3111	3111	AVC,C5	107	224.8	20.6	1	755	26	222.0	238.1	214.2	212.0	225.5	237.2
NuTech/G2 Gen	5F-008AM^	AM,AQ,B	MQ,P5V	108	224.8	21.0	1	753	28	222.0	240.1	232.6	186.7	231.6	235.9
Ebberts	6587VT2P	VT2P	AC,P5	107	224.3	20.8	1	753	29	204.5	244.5	226.7	214.5	239.5	216.3
Stewart	6A388RIB	STX,B	AC,P5V	106	223.5	19.4	1	758	19	219.1	244.1	224.0	197.5	225.5	231.0
Great Heart	HT-6930VT2P	VT2P	AC,P5V	109	222.1	20.0	1	750	30	218.0	243.8	222.4	190.9	247.8	209.4
Superior	S8424VIP3110 CK	3110	CM,C2	110	223.0	21.1	1	746	33	227.9	250.9	211.4	197.7	244.9	205.1
Test Average =					223.3	20.8	1	749		217.7	241.5	223.2	201.2	232.4	223.8
LSD (0.10) =					9.3	0.8	ns			17.6	11.2	13.8	17.0	21.7	16.2

FULL-SEASON TEST 111-114 Day CRM

Top 30 of 63 tested

Stewart	8E623RIB	VT2P,B	AC,P5V	112	242.6	23.4	1	798	1	215.9	260.3	242.6	214.1	268.3	254.3
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	239.9	23.8	1	787	3	222.5	224.8	239.7	223.2	279.5	249.6
Great Lakes	6462STXRIB	STX,B	AC,P5V	114	239.6	23.9	0	785	4	232.3	256.7	234.2	214.2	261.9	230.8
Channel	213-59STXRIB	STX,B	AC,P5V	113	238.8	22.8	0	789	2	244.9	244.9	238.7	217.0	263.6	223.6
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	238.7	23.9	0	782	6	234.3	256.5	242.7	217.9	248.4	232.3
Specialty	43A703	STX,B	AC,P5V	113	237.3	22.7	0	785	5	221.8	249.0	234.9	181.7	309.6	226.7
Unity	4814VT2P-RIB	STX,B	CM,C2	114	237.3	24.9	0	772	15	221.5	227.5	238.9	227.4	265.5	243.0
NuTech/G2 Gen	3F-814^	AM-R,AQ,B	MQ,P5V	114	237.2	23.3	2	781	7	220.3	235.3	246.5	245.1	225.6	250.1
Superior	S8514VT3P	VT3P	AC,P2	113	237.0	23.4	1	780	9	253.3	235.3	223.1	206.3	277.6	226.6
Dyna-Gro	D51SS54	STX	AC,P5V	111	236.8	23.1	0	781	8	212.8	234.4	246.4	215.8	283.0	228.2
Unity	5514SS-RIB	STX,B	AC,P5V	114	236.2	24.0	1	774	10	228.2	253.2	228.1	214.9	259.3	233.4
Steyer	11407VT3PRO RIB	VT3P,B	CM,C2	114	235.7	23.7	0	774	11	227.9	238.3	238.5	227.2	261.7	220.8
Unity	7914-3000GT	3000GT	CM,C2	114	235.5	24.4	0	769	19	228.0	260.6	224.2	214.3	251.4	234.4
Dyna-Gro	D52SS91	STX	AC,P5V	112	235.1	23.9	1	771	16	234.2	246.2	208.1	210.7	271.7	239.6
LG Seeds	LG5622STX	STX	AC,P5V	113	234.7	23.1	1	774	12	241.6	244.2	218.8	195.7	261.0	246.7
Unity	5512SS-RIB	STX,B	AC,P5V	112	234.3	23.4	0	771	17	237.1	238.6	232.1	206.3	267.5	224.4
Seed Consultants	SC 11AQ15	3000GT	MQ,C5	112	233.4	23.1	1	770	18	222.3	237.2	232.2	216.6	259.1	233.2
Stewart	8A667RIB	STX,B	AC,P5V	113	232.4	22.7	1	769	20	227.0	250.4	223.7	186.3	274.4	232.6
LG Seeds	LG5612STX	STX	AC,P5V	112	232.3	22.7	1	768	21	222.5	245.8	243.2	202.7	243.5	236.3
Steyer	11208VT3PRO RIB	VT3P,B	CM,C2	112	232.2	21.7	0	774	13	225.0	251.5	229.4	212.7	251.3	223.4
Armor	1330Pro2	VT2P	AC,P5V	113	231.9	22.5	1	768	22	215.4	253.1	212.6	212.8	253.4	244.2
Ebberts	6292VT2P	VT2P	AC,P5	112	231.5	22.5	1	767	24	229.5	246.0	228.3	223.5	220.0	241.7
Mycogen	2C799	STX,B	CM,C2	114	231.4	23.0	1	764	26	213.9	234.0	219.6	212.3	268.9	239.6
Great Heart	HT-7150VT2PRIB	VT2P,B	AC,P5V	111	231.3	22.7	0	765	25	240.5	244.1	216.8	222.5	252.8	211.3
Golden Harvest	G12J11-3011A	3011A	AVC,C5	112	230.3	22.8	2	761	27	232.2	242.7	223.5	204.4	240.9	238.0
NuTech/G2 Gen	5Z-713^	OI	MQ,P1V,R	113	229.8	21.3	1	768	23	222.1	226.6	242.1	215.0	235.2	237.5
Seed Consultants	SCS 1125VXR^	OIX,B	MQ,C2	112	229.7	22.5	1	761	28	210.3	253.5	237.9	198.6	251.4	226.6
NuTech/G2 Gen	5F-811AM^	AM,B	MQ,P5V	111	228.7	22.5	0	758	30	198.0	253.1	212.7	206.6	252.8	248.9
AgriGold	A6492STX	STX	AC,P5V	111	227.8	21.7	1	759	29	219.5	231.8	224.9	226.6	227.2	236.6
Stewart	8A305RIB	STX,B	AC,P5V	113	227.3	21.6	0	758	31	214.8	248.9	222.6	203.2	248.1	226.0
Superior	S8424VIP3110 CK	3110	CM,C2	110	231.7	21.3	1	774	14	226.8	246.0	225.8	227.2	246.7	217.9
Test Average =					228.2	22.8	1	754		220.1	237.7	225.7	209.8	247.0	228.9
LSD (0.10) =					14.5	1.4	1			23.4	18.7	23.3	18.9	n/a	19.5

Bold yields are significantly above test average. ‡ = 2 replications, full-season tests; # = rejected results, full-season test not included in summary



Corn Stats:
 Yield Range: 192.0-222.1
 Yield Average: 208.7
 Top \$ Per Acre: \$758.00

Corn Field Notes: Indiana South

Rich Schleuning, FIRST Manager

Carlisle—Stands were better than expected because of a hard rain one day after planting. We were lucky the soil remained damp and did not crust over. In early July there were infestations of anthracnose and leaf blight, but thanks to the weather, they did not escalate. This was a nice crop to shell with good grain quality. Plants at harvest looked fine; however, when stalks were cut in half, they were revealed to be hollow and weak. One replication was lost to Liberty herbicide drift.

Columbus—Planting was delayed because of the wet spring conditions. We were forced to either plant into soil conditions that were far from ideal or possibly not plant at all. Rainfall was persistent and the soil stayed saturated too long, which caused stand loss, especially in the early-season test. Some entire plots were lost, resulting in the rejection of those results. The full-season test drained a bit better, enough to produce less variable results. Despite being far from ideal, the results were valid.

Elnora—For this area, the cooler-than-normal temperatures this season were a blessing. Rainfall was above normal but not to excess like some other test locations in the state. Stalk strength remained fairly good with only minimal lodging observed. Grain quality and plant health was very good here. Yields were above average for non-irrigated ground.

Folsomville—Wet spring conditions resulted in the tests being planted three weeks behind the rest of the field. Seedling emergence was good with only a light loss. Some light flea beetle feeding was observed and no disease was present in the V9 to V10 stage. August was wet and foggy, allowing disease to set in. Diseases observed at harvest include gray leaf spot (the dirtiest corn I have ever harvested in a non-drought year), anthracnose, Stewart's wilt and crown rot. Lodging scores reflect root and stalk lodging. This area also had some red root rot, which is not normal for this area.

Grammer—This area was blessed with some nice yields this season in both corn and soybeans. Planting was delayed because of the wet spring weather, but this helped get seedling emergence within three days of planting. Cooler-than-normal conditions during most of the growing season helped keep disease pressure light with only a little leaf blight observed. This was a nice standing and easy-to-shell crop, although the cob was soft.

Huntingburg—The weather forecast forced us to plant even though the conditions were not ideal. We were lucky that it remained moist to help with emergence, but a few plots were set back in areas where water sat too long. This site produced some of the best stands I have ever had as well as some of the brightest color, best root structure and nicest-looking grain I have seen all season. Plant health was great, as all leaves were still intact at harvest. Disease pressure was almost nonexistent, with only some leaf blight present.

Site Information						2014 Rainfall (inches)					
						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Carlisle	sandy clay loam	conventional	soybean	180	5/22	4.08	3.43	5.83	4.26	1.09	0.95
Columbus	sandy loam	conventional	wheat/soybean	150	5/27	4.96	5.27	5.53	3.27	1.46	-0.27
Elnora	sandy clay	no-till	soybean	165	5/23	4.42	6.09	6.21	4.44	1.47	1.13
Folsomville	silty clay loam	conventional	corn, 2+ yr	199	5/24	4.78	5.07	3.97	8.11	-0.39	4.86
Grammer	clay loam	no-till	soybean	169	5/27	6.00	3.98	5.39	3.06	1.32	-0.48
Huntingburg	clay loam	no-till	corn, 2+ yr	177	5/24	5.85	3.49	6.18	7.72	1.86	4.45

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

FIRST Indiana South 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	Carlisle†	Columbus#	Elnora	Folsomville	Grammer	Huntingburg
Stewart	7E743RIB	VT2PB	AC,P5V	110	222.1	18.4	2	758	1	234.5	210.3	163.5	207.2	234.2	271.3
Stewart	8E623RIB	VT2PB	AC,P5V	112	221.7	19.5	1	751	4	220.3	170.4	165.5	226.3	229.2	267.4
LG Seeds	LG5607VT2PRIB	VT2PB	AC,P5V	111	221.2	18.5	2	755	2	241.5	186.1	173.7	212.0	232.0	247.0
Stewart	7E833RIB	VT2PB	AC,P5V	111	220.3	18.5	1	752	3	239.7	199.3	179.7	209.5	242.3	230.3
Dyna-Gro	D52VC91	VT2P	AC,P5V	112	219.5	19.8	1	742	5	232.4	189.1	186.1	201.2	238.5	239.1
Dyna-Gro	D50VC43	VT2P	AC,P5V	110	216.5	18.4	1	739	6	200.0	181.9	180.5	229.6	227.9	244.3
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	215.8	19.8	1	729	7	230.2	206.5	158.3	204.6	239.0	246.7
Seed Consultants	SC 11AQ15	3000GT	MQ,C5	112	214.9	20.2	1	724	8	239.1	172.1	167.6	214.9	209.4	243.6
Channel	210-95STXRIB	STX,B	AC,P5V	110	211.6	18.4	2	723	11	221.0	188.9	175.6	195.3	238.3	227.7
LG Seeds	LG5591STXRIB	STX,B	AC,P5V	110	210.6	19.0	0	716	12	217.7	182.1	167.3	199.5	233.9	234.8
Steyer	11004VT2PRIB	VT2PB	CM,C2	110	209.8	17.0	1	724	10	232.9	157.3	168.4	194.3	225.0	228.5
FS InVISION	FS 602X1 RIB	STX,B	AC,P5V	110	209.4	19.2	1	711	16	220.2	186.1	191.0	199.2	215.8	220.7
Golden Harvest	G10S30-3110	3110	AVC,C5	110	209.2	18.1	3	716	13	224.7	185.5	172.6	177.7	240.7	230.4
Superior	S8484SSTX	STX	AC,P5V	112	209.0	19.3	1	709	17	229.4	198.5	145.3	219.8	219.0	231.6
Channel	209-53STXRIB	STX,B	AC,P5V	109	208.9	18.5	1	713	14	242.3	184.3	161.9	187.7	219.2	233.4
Steyer	11208VT2PRIB	VT2PB	CM,C2	112	208.7	18.6	2	712	15	215.8	142.3	160.7	212.7	227.8	226.3
Partners Brand	PB 8242VIP3111	3111	CM,C2	112	206.6	19.0	1	702	19	223.8	189.7	167.2	201.0	222.3	218.8
Beck	XL 6175AMX^	AMX,B	Es,P1V	112	206.4	19.4	1	700	20	220.1	135.2	176.8	177.5	236.4	221.3
Augusta	A4658GT3110	3110	CM,C5	108	205.8	17.7	4	706	18	255.6	153.6	163.8	171.2	212.1	226.3
Golden Harvest	G07F23-3111	3111	AVC,C5	107	203.9	17.9	2	699	21	225.4	177.3	170.6	186.3	217.4	220.0
Mycogen	2V709	STX,B	CM,C2	110	203.8	18.0	3	698	22	223.2	173.1	173.1	179.3	222.8	220.6
Steyer	11103VT2PRIB	VT2PB	CM,C2	111	203.8	18.9	1	693	24	218.5	158.4	178.9	178.9	206.5	236.2
Augusta	A5658GT3000	3000GT	CM,C2	108	203.6	17.9	2	698	23	216.0	104.9	156.2	188.9	211.7	245.0
FS InVISION	FS 61JX1 RIB	STX,B	AC,P5V	111	203.4	19.3	1	690	27	207.2	159.9	159.3	188.4	220.6	241.5
Partners Brand	PB 7841VIP3111	3111	CM,C2	108	201.7	18.0	1	691	26	218.3	179.9	165.7	170.0	224.6	229.7
Superior	S8458SSTX	STX	AC,P5V	112	201.0	18.7	1	685	28	229.9	162.3	181.1	161.1	210.1	222.8
Superior	S8450SSTXRIB	STX,B	AC,P2	111	200.9	19.7	1	680	31	214.2	139.3	170.2	185.4	206.9	228.0
Partners Brand	PB 7962VT2P	VT2PB	CM,C2	109	200.5	16.7	1	693	25	219.9	148.5	170.9	173.8	203.4	234.7
FS InVISION	FS 62SX1 RIB	STX,B	AC,P5V	112	200.1	18.7	3	682	29	213.4	137.1	183.2	184.1	203.5	216.5
Pioneer	P0993AM1	AM1,B	MQ,P1V	109	197.3	16.9	2	681	30	211.7	183.7	154.7	172.0	213.2	234.9
Superior	S8534GT3000 CK	3000GT	CM,C2	114	213.8	19.6	2	724	9	217.4	99.7	169.8	191.1	244.4	246.2
Test Average =					207.2	18.5	2	707		222.1	167.9	168.1	191.2	221.2	233.6
LSD (0.10) =					12.5	0.8	2			24.2	45.2	22.0	29.6	25.0	23.6

FULL-SEASON TEST 113-116 Day CRM

Top 30 of 45 tested

Dyna-Gro	D55VP77	VT3P	AC,P5V	115	221.5	19.6	3	750	1	240.1	200.2	205.1	212.5	238.5	232.5
Stewart	8E663RIB	VT2PB	AC,P5V	113	220.1	20.2	2	742	2	199.0	214.5	189.8	213.9	249.6	253.9
NuTech/G2 Gen	3F-515AM^	AM-R,B	MQ,P5V	115	218.6	19.2	2	742	3	212.5	191.3	204.1	228.8	231.8	243.3
Partners Brand	PB 8641-3000GT GC	3000GT	CM,C2	116	218.5	21.3	1	730	7	245.3	213.6	179.3	203.2	230.3	239.5
Dyna-Gro	D56VC46	VT2P	AC,P5V	116	218.3	20.5	2	734	5	221.4	213.9	196.6	217.3	224.9	235.7
Superior	S8544VT2PRIB	VT2PB	AC,P2	115	218.2	21.7	2	727	11	228.1	205.4	181.9	215.7	234.8	243.4
Channel	213-59STXRIB	STX,B	AC,P5V	113	217.6	19.4	1	738	4	242.7	196.3	177.2	209.5	244.7	235.1
NuTech/G2 Gen	5H-216^	HX,RR2	MQ,P5V	116	217.2	19.8	2	734	6	214.4	217.1	169.8	229.8	212.3	259.9
Superior	S8484SSTX	STX	AC,P5V	112	216.1	20.1	1	729	8	260.7	159.6	184.1	221.0	235.7	235.5
Mycogen	2J794	HX,RR2	CM,C2	115	215.6	20.9	2	723	13	216.5	217.0	202.7	181.0	231.7	244.9
Beck	XL 6365AMX^	AMX,B	Es,P1V	113	215.1	19.6	2	728	9	236.7	194.1	192.7	197.8	232.3	236.9
LG Seeds	LG2636VT3PRIB	VT3PB	AC,P5V	114	214.6	20.6	2	721	16	210.3	218.2	187.9	200.9	236.1	234.1
Steyer	11504VT2PRO RIB	VT2PB	CM,C2	115	214.5	20.2	1	723	14	225.4	225.1	180.4	179.7	238.0	238.3
NuTech/G2 Gen	3F-814^	AM-R,AQ,B	MQ,P5V	114	214.0	18.9	3	728	10	220.6	198.7	208.0	186.1	227.3	243.3
Steyer	11407VT3PRO RIB	VT3PB	CM,C2	114	213.8	20.0	2	722	15	220.8	196.6	201.2	222.3	226.3	215.4
Stewart	8A560RIB	STX,B	AC,P5V	114	213.1	19.8	1	720	17	255.2	220.8	173.6	187.1	213.1	228.5
AgriGold	A6517VT3PRIB	VT3PB	AC,P5V	113	212.6	19.8	1	719	18	240.6	213.8	154.1	210.3	215.5	241.3
Partners Brand	PB 8333-3000GT	3000GT	CM,C2	113	211.8	20.5	5	712	20	229.6	192.0	165.1	172.2	255.2	256.8
FS InVISION	FS 66JV4 RIB	VT3PB	AC,P2	116	210.2	20.2	1	708	24	242.0	184.7	186.7	193.7	209.9	243.9
AgriGold	A6499STXRIB GC	STX,B	AC,P5V	112	210.1	19.9	3	710	21	229.8	214.5	151.9	216.8	218.0	229.6
Channel	215-83STXRIB	STX,B	AC,P5V	115	210.0	19.1	3	713	19	237.8	192.9	174.7	193.1	233.9	227.7
LG Seeds	LG5638VT2P	VT2P	AC,P5V	114	209.9	19.9	1	709	23	234.1	193.7	161.5	191.1	233.5	245.3
Superior	S8502VT3PRIB	VT3PB	AC,P2	112	209.7	19.5	2	710	22	240.1	189.8	170.5	178.8	228.5	250.4
Mycogen	2C788	STX,B	CM,C2	114	209.3	19.9	2	707	25	234.1	202.5	166.6	173.1	221.5	258.2
Stewart	8E753RIB	VT2PB	AC,P5V	114	209.0	20.7	1	702	27	226.2	214.8	166.8	184.2	210.4	251.5
NK Brand	N78S-3111 GC	3111	AVC,C5	116	207.6	19.6	2	703	26	233.6	197.2	169.0	179.7	222.1	243.9
FS InVISION	FS 65SV4 RIB	VT3PB	AC,P2	115	207.5	20.0	1	700	28	206.8	195.5	173.1	210.8	216.4	242.3
FS InVISION	FS 64MX1 RIB	STX,B	AC,P5V	114	206.4	19.4	1	700	29	239.3	180.0	163.3	179.3	230.5	246.2
Golden Harvest	G12J11-3011A GC	3011A	AVC,C5	112	206.0	19.5	2	698	30	217.9	193.4	177.4	188.8	224.9	233.5
Superior	S8514VT3P	VT3P	AC,P2	113	205.9	19.4	2	698	31	237.5	196.2	167.5	196.3	216.1	221.9
Superior	S8534GT3000 CK	3000GT	CM,C2	114	214.8	20.2	2	724	12	228.3	196.3	172.6	215.7	236.9	238.8
Test Average =					210.1	19.8	2	710		226.3	196.4	173.5	199.4	225.9	239.1
LSD (0.10) =					13.9	0.9	2			26.7	26.8	30.6	27.2	23.3	24.5

Bold yields are significantly above test average. ‡ = 2 replications, full-season test; # = rejected results, early-season test not included in summary



Corn Stats:
 Yield Range: 179.8-224.4
 Yield Average: 205.0
 Top \$ Per Acre: \$739.00

Corn Field Notes: Ohio West Central

Rich Schleuning, FIRST Manager

Caledonia—Early season rainfall through June was above average. July through August rainfall was slightly below average. Yield levels reflect the moderate temperatures and low-stress environment. These tests had a nice standing crop with the plants still fully intact at harvest. Some light disease and minor lodging was noted. Pinch tests showed that the stalks were hollow. Grain quality was good and shelled nicely, even with a soft cob. FIRST farmer member Gerald Seckel said it would be nice to have a crop like this every year instead of once every couple of years.

Celina—Moderate summer temperatures delayed crop development, then wet fall weather further delayed harvest timing. A combine breakdown followed by snow delayed harvest past the publication deadline. Visit www.firstseedtests.com to obtain the full results for this region.

Dunkirk—Even after wet spring conditions, the crop was up in four days with a nice even emergence.

An untimely August dry spell took the top end off yields. Overall, plant health was good as plants were fully intact at harvest. Kernel size was smaller than normal but a higher test weight made up for this. FIRST farmer member Jerry McBride was happy with his yield averages of 170 to 180-plus bu. per acre. However, these test results were rejected because of deer damage and late-season grass pressure that randomly reduced yield.

Lewistown—Grain moistures were higher than usual this year because of the cooler-than-normal growing season that delayed crop maturity this fall. Plant health was good; plants were still fully intact with only a few products having plant tops broken off. There was some minor ear rot observed. Overall, grain quality was good. Water stressed the crop in a couple of pockets in the field, which resulted in a little yield variability. These trials were harvested on Nov. 14. The area saw some very good yields this year.

Van Wert—Persistent May rainfall delayed planting to May 24. This late start translated to a late harvest. In a normal year, the crop would have received plenty of summer heat in order to catch up for a normal harvest, but that was not the case this year. Moderate summer temperatures were conducive for high-corn yields but also slowed plant development and maturation. This crop was standing perfectly at harvest with some plants still showing a green color. Some light gray leaf spot, cladosporium ear rot and light fusarium ear rot were observed. This area had good yields. Snow started falling as this site was harvested. It was an unwelcome sight with many acres yet to be harvested.

Versailles—This site was planted into good soil conditions. Persistent spring rains caused ponding, which ultimately drowned out areas within the tests. Inadequate seed supply did not allow us to replant these tests. The location was lost due to extremely wet conditions.

Site Information						2014 Rainfall (inches)					
Ohio West Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Caledonia	silt loam	minimum	soybean	215	6/7	6.74	5.49	2.54	2.22	-1.73	-0.80
Celina	sandy clay loam	minimum	soybean	n/a	5/24	4.02	6.21	3.48	4.83	-1.33	1.28
Dunkirk	sandy clay loam	no-till	soybean	240	6/7	3.96	3.31	3.23	2.66	-0.47	-0.65
Lewistown	sandy loam	no-till	soybean	215	5/26	3.14	4.05	3.05	4.04	-1.62	0.54
Van Wert	sandy clay loam	minimum	soybean	215	5/24	3.32	6.59	4.43	4.26	0.08	0.54
Versailles	clay	minimum	wheat	155	5/15	n/a	n/a	n/a	n/a	n/a	n/a

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

FIRST Ohio West Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

Top 30 of 42 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Caledonia	Celina	Dunkirk#	Lewistown	Van Wert	Versailles
Steyer	10904GENSSRIB	STX,B	CM,C2	109	218.1	19.7	0	738	1	206.2		164.2	209.4	238.6	
Buckeye	RR8891SSRIB	STX,B	AC,P5V	109	216.7	20.2	0	730	2	203.8		161.0	208.9	237.4	
Ebberts	9488SSX	STX	AC,P5V	108	215.4	19.4	0	730	3	223.7		185.9	189.4	233.1	
Specialty	4611GENVT3PRIB	VT3P,B	AC,P5V	110	214.2	20.8	0	719	5	216.6		141.0	194.9	231.2	
LG Seeds	LG2549VT3PRIB	VT3P,B	AC,P5V	109	212.4	19.5	0	720	4	204.9		159.0	202.8	229.4	
Specialty	38A573	STX,B	AC,P5V	108	212.3	19.5	0	719	6	199.5		155.7	210.2	227.1	
LG Seeds	LG5603STX	STX	AC,P5V	110	211.3	20.1	0	713	7	221.4		152.0	184.5	228.1	
NuTech/G2 Gen	5D-109^	AMX,B	MQ,P5V	109	211.3	20.5	0	710	8	202.2		146.7	201.8	230.0	
Buckeye	RR9074SSRIB	STX,B	AC,P5V	110	211.0	21.4	0	705	11	203.8		171.3	169.5	259.6	
Rupp	xrJ10-91	STX,B	AC,P5V	110	209.8	20.0	0	708	9	207.4		148.5	192.9	229.2	
Ebberts	7909VT3P	VT3P	AC,P5	109	208.6	19.2	0	708	10	192.0		156.4	213.8	220.1	
Ebberts	6587VT2P	VT2P	AC,P5	107	208.6	20.1	0	704	12	223.2		153.6	191.6	211.1	
Unity	4508VT3P-RIB	VT3P,B	CM,C2	108	208.3	20.0	0	703	13	206.1		185.4	198.4	220.4	
Buckeye	RR9184VT2PRIB	VT2P,B	AC,P2	110	208.0	19.9	0	703	14	204.4		135.9	195.5	224.1	
FS InVISION	FS 60ZX1 RIB	STX,B	AC,P5V	110	206.8	21.9	0	688	19	219.1		115.2	189.0	212.2	
NuTech/G2 Gen	5Z-510^	OI	MQ,P1V,R	110	206.4	19.6	0	699	15	215.6		140.4	171.4	232.1	
Unity	5608SS-RIB	STX,B	CM,C2	108	204.7	19.7	0	692	17	198.6		143.0	192.5	223.0	
FS InVISION	FS 59SX1 RIB	STX,B	AC,P5V	109	204.3	19.4	0	693	16	188.2		143.8	199.9	224.9	
Steyer	11004GENSS RIB	STX,B	CM,C2	110	203.6	19.6	0	689	18	211.8		109.5	187.2	211.9	
Doebblers	RPM 629AMXT^	AMXT,B	MQ,P1V	108	203.4	21.2	0	680	24	214.9		148.3	160.5	234.9	
LG Seeds	LG5591STXRIB	STX,B	AC,P5V	110	201.9	20.9	0	677	25	207.9		150.0	179.5	218.3	
Specialty	36A794	STX,B	AC,P5V	106	201.5	19.4	0	683	21	205.0		176.6	170.6	228.8	
Beck	XL 5828AM^ GC	AM,AQ,B	Es,P1V	110	201.4	21.0	0	675	27	208.9		167.6	175.3	219.9	
Augusta	A4658GT3110	3110	CM,C5	108	200.4	18.5	1	684	20	207.3		150.6	170.8	223.2	
Integra	6003-3110	3110	AVC,C5	110	199.9	18.3	0	683	22	207.5		135.1	190.8	201.5	
Ebberts	7109VT3PRIB	VT3P,B	AC,P5	109	199.8	19.9	0	675	28	211.3		181.4	157.3	230.8	
Augusta	A5658GT3000	3000GT	CM,C2	108	199.7	18.6	0	681	23	184.8		110.9	196.2	218.2	
Great Lakes	5755STXRIB	STX,B	AC,P5V	107	199.5	19.9	0	674	29	205.7		166.5	170.0	222.8	
NuTech/G2 Gen	5F-008AM^	AM,AQ,B	MQ,P5V	108	198.9	19.5	0	674	30	210.9		156.2	181.2	204.7	
Great Lakes	5785VT3PRIB	VT3P,B	AC,P5V	107	197.6	18.2	0	676	26	212.8		148.3	160.2	219.7	
Pioneer	P0987AMX CK	AMX,B	MQ,C2	109	198.1	20.4	0	667	34	186.9		119.0	201.7	205.8	
Test Average =					203.0	19.7	0	686		203.7		151.0	185.4	219.9	
LSD (0.10) =					17.6	0.9	0			18.2		48.3	26.5	25.7	

Harvest was incomplete at publication date
Visit www.firseedtests.com for final summary

Test lost to extremely wet spring conditions

FULL-SEASON TEST 111-114 Day CRM

Top 30 of 36 tested

Great Lakes	6462STXRIB	STX,B	AC,P5V	114	224.4	23.2	0	739	1	219.4		148.7	204.7	249.1	
Unity	4814VT2P-RIB	STX,B	CM,C2	114	218.2	25.1	0	709	5	218.9		128.0	194.7	241.1	
Ebberts	6292VT2P	VT2P	AC,P5	112	217.9	22.3	0	723	3	217.1		148.3	182.5	254.0	
Unity	5514SS-RIB	STX,B	AC,P5V	114	217.1	24.5	0	708	6	218.1		85.2	195.1	238.1	
Specialty	43A834	STX,B	AC,P5V	113	216.2	20.5	0	727	2	216.0		159.6	176.7	255.9	
Specialty	42D843	VT2P,B	AC,P5V	112	215.5	23.8	0	707	7	224.3		157.5	192.5	229.6	
Specialty	43A703	STX,B	AC,P5V	113	214.7	23.4	0	706	9	212.7		136.1	192.7	238.6	
NuTech/G2 Gen	5Z-713^	OI	MQ,P1V,R	113	211.7	20.5	0	712	4	210.7		147.0	186.3	238.0	
NuTech/G2 Gen	3F-814^	AM-R,AQ,B	MQ,P5V	114	211.6	21.7	0	705	10	216.6		144.8	186.7	231.6	
Steyer	11103GENSS RIB	STX,B	CM,C2	111	211.4	22.5	0	700	12	209.7		151.6	198.3	226.3	
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112	210.6	23.7	0	691	16	220.8		160.2	185.7	225.3	
Beck	XL 6175AMX^	AMX,B	Es,P1V	112	210.5	21.7	0	701	11	226.0		142.3	164.5	241.0	
Steyer	11208VT3PRO RIB	VT3P,B	CM,C2	112	210.3	20.6	0	707	8	208.9		161.8	195.1	226.8	
Steyer	11407VT3PRO RIB	VT3P,B	CM,C2	114	209.6	23.7	0	688	18	221.6		120.4	182.9	224.3	
LG Seeds	LG5638VT2P	VT2P	AC,P5V	114	209.5	24.5	0	683	24	205.9		135.7	201.2	221.4	
Ebberts	9451SSX	STX	AC,P5V	111	209.4	21.7	0	698	13	214.2		150.1	182.4	231.7	
Integra	9642VT3PRO	VT3P	AC,P5	114	209.4	23.7	0	687	20	214.8		172.6	172.6	240.9	
Steyer	11304GENSS RIB	STX,B	CM,C2	113	209.1	22.0	0	695	14	220.7		154.3	184.9	221.8	
Augusta	A5565VT2Pro	VT2P	CM,C1	115	208.8	25.5	0	676	26	215.3		161.7	184.6	226.6	
LG Seeds	LG2620VT3PRIB	VT3P,B	AC,P5V	113	207.5	21.4	0	693	15	220.4		110.2	174.9	227.2	
NuTech/G2 Gen	5F-113^	AM,B	MQ,P5V	113	206.8	22.0	0	688	19	219.6		118.8	174.4	226.3	
Ebberts	7222VT3PRIB	VT3P,B	AC,P5	112	205.9	21.9	0	685	22	198.2		159.7	187.7	231.9	
Great Lakes	6354VT3PRIB	VT3P,B	AC,P5V	113	205.3	21.2	0	687	21	201.8		154.2	186.6	227.4	
FS InVISION	FS 61JX1 RIB	STX,B	AC,P5V	111	205.1	22.7	0	678	25	219.4		144.5	174.2	221.8	
Rupp	xrD11-13	VT2P,B	AC,P2	111	204.1	20.8	0	685	23	203.6		170.1	180.9	227.8	
FS InVISION	FS 64MX1 RIB	STX,B	AC,P5V	114	202.6	21.9	0	674	27	218.2		139.1	189.6	199.9	
FS InVISION	FS 63SX1 RIB	STX,B	AC,P5V	113	202.0	25.4	0	654	31	195.9		153.3	192.4	217.8	
Unity	7914-3000GT	3000GT	CM,C2	114	200.5	23.2	0	661	29	216.4		163.9	187.3	197.9	
FS InVISION	FS 62SX1 RIB	STX,B	AC,P5V	112	200.1	22.1	0	665	28	202.0		154.8	186.5	211.9	
Ebberts	7510VT3PRIB	VT3P,B	AC,P5	110	197.5	21.4	0	660	30	194.8		151.4	183.9	213.9	
Pioneer	P0987AMX CK	AMX,B	MQ,C2	109	206.7	21.6	0	689	17	211.3		153.4	187.1	221.8	
Test Average =					207.0	22.7	0	685		211.4		144.7	185.7	224.0	
LSD (0.10) =					16.0	1.3	0			19.1		44.3	15.7	25.3	

Harvest was incomplete at publication date
Visit www.firseedtests.com for final summary

Test lost to extremely wet spring conditions

Bold yields are significantly above test average. # = rejected results, early- and full-season tests not included in summary



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Rob Kauffman, FIRST Manager



Corn Stats:

Yield Range: 178.7-227.5

Yield Average: 211.6

Top \$ Per Acre: \$833.00

Corn Field Notes: Pennsylvania Central

Center Hall—This site was planted on May 5, and for most of the summer it was wet and cool. This was great for the corn, which looked excellent. Diseases did catch up, however, and really started moving the month of August. Northern corn leaf blight was the most prevalent, but some gray leaf spot and anthracnose was also evident. Certain hybrids showed little resistance to the northern corn leaf blight that appeared and dried down very quickly. This location was harvested on Nov. 5. Yields were good at 209.8 bu. per acre, but the quality could not match them. I would rate this test a 7 out of 10.

Danville—This site was planted on May 7, and the soil moisture at planting was good. The temperatures, on the other hand, took a while to warm up. Emergence was excellent, and early growth did start to catch up. Rainfall for the summer was good except for a

stretch in the middle of July, when corn was stressed because of a lack of moisture. This site missed a few showers that other nearby areas received. Anthracnose and northern corn leaf blight were present, but standability was not hurt. Some deer damage occurred at the ends of the plots, but because damage was consistent throughout the site, the data was still acceptable. Harvested on Oct. 17, the site's average yield was 199 bu. per acre. I would rate this site a 7 of 10.

Martinsburg—Corn at this site was planted on May 12 and got off to a great start. Emergence and early vigor were excellent. We received good rainfall through May and into June. A late June/early July storm caused localized greensnap of some of the stalks in the site. Breakage did not seem to be specific to hybrids but rather to the direction and path of the wind. The trial also experienced severe

infestations of northern corn leaf blight and some gray leaf spot. At harvest, some hybrids were lodged, but cobs were still solid. The lodging rating reflects only broken stalks at harvest and not greensnap percentage. This location was harvested on Nov. 10 with an average yield of 175.8 bu. per acre. I would rate this site a 6 out of 10.

McVeytown—This location was planted on May 14 and hit by heavy rain right afterward. This caused some ponding issues, but most hybrids did emerge. With the good silt loam soil, they were looking good in a just a few days. Rainfall was timely and the weather never stressed the corn. Some gray leaf spot and anthracnose caused early leaf loss. The corn was standing nicely at harvest with mainly tops out only. This site was harvested on Nov. 5 and produced an average yield of 212.5 bu. per acre. I would rate this site an 8 out of 10.



A FIRST farmer member prepares the test site area just like the rest of their field, same tillage, fertility and pesticide programs. FIRST managers

provide and plant the seed of products being tested as well as harvest grain in the fall. The host farmer member receives all grain product results.

FIRST Pennsylvania Central Corn Results



ALL-SEASON TEST 99-109 Day CRM

Top 30 of 30 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Centre Hall	Danville	Martinsburg	McVeytown	Northumberland	Ringtown
Pioneer Chemgro	P0506AM GC 6859V3	AM,AQ,B 3111	MQ,P1V CM,C2	105 108	227.5 226.3	18.6 19.7	4 0	833 822	1 3	220.3 222.4	206.6 220.6	197.4 203.9	236.7 223.6	250.1 239.3	253.7 248.1
Hubner <i>FS InVISION</i>	H5490RC3P <i>FS 60R36SS</i>	VT3PB <i>STX,B</i>	AC,P5V <i>AC,P5V</i>	109 <i>110</i>	226.2 225.5	19.0 21.4	3 0	826 810	2 7	226.7 230.4	244.1 202.5	154.6 207.5	223.5 230.4	250.7 232.8	257.7 249.4
Dyna-Gro Doebblers	D49VP88 RPM 629AMXT^	VT3P AMXT,B	AC,P5V MQ,P1V	109 108	225.0 224.7	19.5 20.3	2 7	818 813	4 6	226.5 235.8	208.1 226.9	194.9 170.8	223.1 219.4	244.0 237.2	253.3 258.3
Pioneer Mid-Atlantic	P0419AMX GC MA8062VT3P	AMX,B VT3P	MQ,C2 AC,P2	104 106	221.3 220.3	18.9 19.6	2 3	808 801	9 10	195.2 212.9	198.5 210.9	193.5 204.7	213.5 212.6	246.0 243.8	244.2 237.1
Hubner TA Seeds	H5368RC3P TA583-22DPRIB	VT3PB VT2PB	AC,P5V CM,C2	105 108	219.6 218.3	16.8 18.9	3 3	814 797	5 11	218.3 206.2	178.7 214.6	181.5 178.5	234.3 210.9	241.6 250.2	263.1 249.4
Steyer Doebblers	10102VT2PRIB RPM 537AMX^	VT2PB AMX,AQ,B	CM,C2 CM,C2	101 103	218.0 215.0	16.3 19.6	6 1	810 782	8 14	212.7 205.9	203.9 216.0	204.1 187.3	215.7 215.1	228.6 230.7	243.0 234.8
Dekalb <i>FS InVISION</i>	DKC57-75RIB GC FS 57R30SS	STX,B STX,B	AC,P5V AC,P5V	107 107	214.1 213.9	19.0 18.2	9 5	781 785	15 13	239.3 221.0	203.2 188.9	170.7 155.0	193.6 231.8	238.2 241.4	239.7 245.3
TA Seeds Mid-Atlantic	TA524-22DPRIB MA8045STX	VT2PB STX,B	CM,C2 AC,P2	102 104	213.2 212.0	16.4 18.1	3 4	792 779	12 16	211.0 223.0	185.6 185.2	221.1 164.3	198.2 223.1	233.2 235.3	230.3 240.8
Chemgro Doebblers	6546R3P RPM 587AM^	VT3PB AM,AQ,B	AC,P2 CM,C2	105 107	210.3 209.5	17.6 20.0	3 2	775 759	17 20	229.0 178.8	205.2 207.3	132.9 178.0	214.0 216.3	235.0 234.2	245.7 242.2
Steyer Mid-Atlantic	10803GENSS RIB MA5042GT3	STX,B 3000GT	CM,C2 CM,C2	108 104	208.1 207.2	18.7 18.2	4 2	761 758	19 21	200.2 218.0	220.7 205.5	172.3 153.7	198.3 204.7	230.4 224.0	226.6 237.1
Mid-Atlantic Partners Brand	MA5001GT3VIP PB 7841VIP3111 GC	3111 3111	CM,C2 CM,C2	102 108	207.0 206.9	17.7 19.9	3 5	762 751	18 24	202.8 196.5	175.7 208.6	183.6 151.6	216.9 215.3	223.0 237.0	239.9 232.3
Dyna-Gro Mid-Atlantic	D46SS46 MA8065STX	STX STX	AC,P5V AC,P2	107 106	206.6 204.1	18.2 18.3	6 2	758 749	22 25	206.6 197.4	183.2 190.8	175.7 154.9	214.8 204.8	235.0 240.0	224.3 236.6
Hubner Chemgro	H6254RCSS 6335RDP	STX,B VT2PB	AC,P5V AC,P2	105 103	203.9 202.5	17.5 17.0	9 5	752 749	23 26	211.1 187.9	182.0 182.0	152.1 166.0	208.6 210.7	232.5 228.9	237.2 239.3
Steyer TA Seeds	10004GENSS RIB TA544-28RIB	STX,B STX,B	CM,C2 CM,C2	100 104	196.7 195.1	17.4 17.3	1 2	726 720	27 28	187.2 198.4	181.8 185.8	194.0 159.6	188.2 171.1	205.8 220.6	223.0 235.2
TA Seeds Dekalb	TA566-31 DKC48-12RIB	3111 STX,B	CM,C2 AC,P5V	106 98	191.9 178.7	19.8 15.8	15 5	697 667	29 30	175.0 162.2	158.9 191.2	149.7 154.8	227.7 179.2	214.8 203.2	225.5 181.3
Test Average =					211.6	18.5	4	775		209.8	199.0	175.8	212.5	233.6	239.1
LSD (0.10) =					13.2	1.0	6			20.3	26.7	18.8	13.2	13.7	15.7

Bold yields are significantly above test average. *Italicized* brands exceed the grain moisture limit for this test.

Northumberland—Harvesting the last testing location for the year is always a good feeling. This trial was no exception; it looked good from planting to harvest. This site was planted on May 14. The stand was excellent, there was good weed control and timely rains this summer gave the corn plenty to work with. Some gray leaf spot pressure was present, but lesions

were small and only took some tops out in a few hybrids. The cobs were solid and almost every kernel shelled off. I would rate this test a 9 out of 10.

Ringtown—The Ringtown site was planted on May 7 into good soil moisture. Soil temperatures were on the cool side this year, but the corn emerged after 10 to 14 days. Populations looked excellent and experienced good

rainfall for most of the summer. The corn crop never looked back. There was very little disease or insect pressure, and standability was good with only tops out on most hybrids. Corn dried down slowly because of the lack of heat most of the summer. FIRST farming member Scott Careya was very happy with yields around the site and in other farms. I would rate this test a 9 out of 10.

Site Information						2014 Rainfall (inches)					
Pennsylvania Central						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Centre Hall	silt loam	conventional	corn, 2+ yr	180	5/5	5.94	3.13	4.32	2.56	0.41	-0.98
Danville	silty clay loam	no-till	soybean	200	5/7	2.92	5.29	4.42	3.27	0.97	-0.27
Martinsburg	silt loam	no-till	corn	147	5/12	3.98	6.53	3.76	3.47	0.50	0.46
McVeytown	siilt loam	no-till	soybean	195	5/14	4.31	4.23	3.43	3.02	-0.14	-0.45
Northumberland	silt loam	no-till	soybean	185	5/14	2.89	3.76	5.39	4.62	1.94	1.08
Ringtown	sandy clay loam	no-till	soybean	188	5/7	4.12	4.76	6.54	3.29	2.50	-0.46

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



Rob Kauffman, FIRS Manager



Corn Field Notes: Pennsylvania Southeast

Corn Stats:

Yield Range: 198.2-236.8

Yield Average: 224.0

Top \$ Per Acre: \$841.00

Elverson—The Elverson site was planted on May 15, which was a delayed date because of the cool and wet spring we had in this area. Emergence was good and the crop matured nicely through the summer. Rainfall was average with the exception of August, which was drier than the rest of the summer. Weed control here was excellent. Diseases present included anthracnose and some gray leaf spot. Some gibberella ear mold came late in the season, and some hybrids did have soft cobs, which broke up during combining. The average yields from this site were 217.4 bu. per acre. I would rate this test location a 9 out of 10.

Hanover—The corn here got off to a good start. The later planting date of May 27 gave us warm soils, and some mid-May showers gave us the necessary moisture for excellent emergence. Rainfall shut down in July but then started up again in August. The lack of rainfall in July proved to hurt some hybrids more than others. Some longer-season hybrids held on until the rains started again, which limited the yield impact. All hybrids stood well through harvest with mostly tops going out due to late corn borer infestation. The average yield from this location was 197.5 bu. per acre. I would rate this test site an 8 out of 10.

Kutztown—This site was planted on May 8 and emerged consistently. Farmers often say

they don't know where the big yields are coming from, but this was not the case with this location. The corn looked great right from planting. The height was tall and the ears were long with a good girth. As good as this crop looked, we thought we might reach 300 bu. per acre. The final yield came in lower than that, however, at an average of 262.3 bu. per acre. From yield to standability to grain drydown, this site provided us with many good opportunities for comparisons. I would rate this test site a 9.5 out of 10.

Lancaster—This test location was planted on June 2 on a no-till site into corn residue. This was my last corn grain test planted, and my expectations for 200 bu. per acre were not looking good at that time. Rainfall was above average for most of the summer, but FIRS farming member Geoff Brubaker noted that many of the big showers were missed here. Gray leaf spot and anthracnose were present, but they did very little damage. Despite early misgivings, populations did turn out excellent, and yields even reached an average of 204 bu. per acre. The corn was standing nicely at harvest and grain shelled exceptionally well from the cob. The crop was harvested on Nov. 14. I would rate this site an 8 out of 10.

Lebanon—2013 was a very good growing season in Lebanon, but 2014 was even better! This

location was planted on May 8, and the soils were a bit cool at the time. Emergence did not seem to be affected by this, however. Soil moisture was adequate for most of the growing season. The biggest difference from the previous year was the air temperatures, which never got high enough to stress the corn crop. Corn may have rolled its leaves for a few days through the summer months. Disease pressure was light with only some anthracnose and northern corn leaf blight present. This site was harvested on Oct. 9 and the yields finished off very nicely, averaging 232.8 bu. per acre. I would rate this site a 7 of 10.

Spring Grove—Corn got off to a great start at the Spring Grove location. This site was planted on May 24 and showed excellent emergence. Combined with warm moist soils, this got the tests looking great by June. Rainfall for much of the summer was above normal and the temperatures were cooler than normal. Good weed control with little insect pressure kept the corn maturing nicely through August. Anthracnose and gray leaf spot came late but did not affect the yield. Some hybrids did have some standability problems. Some ear rots were noticed at harvest, but most hybrids shelled off the cob nicely. The yield average from this site was 229.8 bu. per acre. I would rate this test site a 9 out of 10.

FIRST Pennsylvania Southeast Corn Results



ALL-SEASON TEST 105-115 Day CRM

Top 30 of 54 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Elverson	Hanover	Kutztown	Lancaster	Lebanon	Spring Grove
Mycogen	2C799	STX,B	CM,C2	114	236.8	24.2	1	822	6	223.3	218.1	266.1	228.3	246.8	238.2
Hubner	H5490RC3P	VT3P,B	AC,P5V	109	234.8	19.7	1	841	1	229.5	208.9	272.9	212.6	249.7	234.9
FS InVISION	FS 64R46SS	STX,B	AG,P5V	114	234.5	24.7	1	811	10	217.4	208.4	261.7	211.6	252.4	255.4
Mid-Atlantic	MA8086STX	STX	AC,P2	108	234.3	21.0	1	832	2	213.8	218.6	273.9	201.7	252.1	245.7
AgriGold	A6499STXRIB	STX,B	AG,P5V	112	234.2	24.8	0	809	12	222.5	198.0	271.9	220.0	236.1	256.8
Augusta	A6664VT2Pro	VT2P	AC,P5V	114	232.8	24.5	1	806	17	225.3	221.8	265.8	203.6	249.1	231.4
Dyna-Gro	D52VC91	VT2P	AC,P5V	112	232.8	24.7	1	805	22	223.1	195.4	267.7	217.4	247.3	245.9
Steyer	11504VT2PRO RIB	VT2P,B	CM,C2	115	230.7	23.2	1	806	18	246.6	217.6	271.7	205.4	220.5	222.5
Doebblers	RPM 5115AM^	AM,B	MQ,P1V	111	230.3	20.0	3	823	5	215.9	187.3	278.4	212.2	246.8	241.2
Dyna-Gro	D55VP77	VT3P	AC,P5V	115	230.2	24.3	1	798	29	221.7	205.3	273.9	229.3	213.2	237.7
Mid-Atlantic	MA8065STX	STX	AC,P2	106	229.5	19.1	2	826	3	217.8	201.2	262.7	214.3	249.8	231.2
Mid-Atlantic	MA8062VT3P	VT3P	AC,P2	106	229.1	19.6	4	821	7	227.9	214.4	247.9	202.9	252.7	228.5
TA Seeds	TA583-22DPRIB	VT2PB	CM,C2	108	228.3	19.3	3	820	8	223.2	201.6	262.5	197.0	232.9	252.6
Hubner	H5333RC3P	VT3P,B	AC,P5V	107	228.1	18.2	1	826	4	214.2	196.5	267.8	225.2	229.8	234.9
Chemgro	7146R3P	VT3P,B	AC,P2	111	227.5	20.6	2	810	11	210.4	190.6	272.0	218.6	247.9	225.4
Mycogen	2V709	STX,B	CM,C2	110	227.2	21.1	4	806	19	231.4	207.2	247.1	220.9	237.9	218.8
Pioneer	P1105AM GC	AM,B	MQ,C2	111	227.1	20.8	5	807	15	223.8	191.0	284.7	198.6	227.1	237.5
TA Seeds	TA683-13VPRIB	VT3P,B	CM,C2	112	227.0	20.9	1	806	20	226.6	199.8	270.0	213.8	239.7	212.3
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	226.8	20.5	1	808	14	208.0	194.3	274.4	206.2	241.9	235.7
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	226.4	20.4	2	807	16	205.5	200.4	276.3	202.1	247.4	226.5
Mid-Atlantic	MA8099VT3P	VT3P	AC,P2	109	226.3	21.0	2	803	25	221.7	201.0	261.3	209.9	251.0	212.7
Hubner	H5368RC3P	VT3P,B	AC,P5V	105	225.9	17.8	1	820	9	223.4	191.3	271.1	195.3	247.7	226.3
Doebblers	RPM 5015AM^	AM,B	MQ,P1V	110	225.1	19.9	3	805	23	214.7	215.9	260.5	185.3	230.2	243.9
NK Brand	N63R-GT GC	GT	CM,C2	109	225.1	20.6	6	801	26	219.8	196.2	270.7	225.1	236.4	202.4
Spectrum	5967	None	CM,C2,St	109	225.0	19.2	3	809	13	232.0	205.2	244.9	201.6	235.6	230.8
Chemgro	6949RSX	STX,B	AC,P5V	109	224.8	19.5	2	806	21	210.4	185.0	269.0	203.1	243.3	237.8
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	224.5	21.2	0	796	30	219.4	200.7	263.0	195.9	246.0	222.1
AgriGold	A6458VT3PRIB	VT3P,B	AC,P5V	110	223.5	19.0	0	805	24	217.1	188.0	253.5	208.8	245.8	227.5
Pioneer	P0604AM GC	AM,B	MQ,C2	106	222.9	19.2	3	801	27	215.3	189.1	262.7	202.5	241.6	225.9
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	221.9	18.7	5	801	28	207.8	192.6	260.6	219.3	252.8	198.3
Test Average =					224.0	21.6	2	792		217.4	197.5	262.3	204.0	232.8	229.8
LSD (0.10) =					11.1	1.1	4			15.9	14.6	14.0	18.1	18.2	19.2

Bold yields are significantly above test average.



This early summer photo, taken shortly after test alleys have been tilled, is from FIRST farmer members Rich and Stan Crone's corn test located near

Danville, Penn. See results from the Danville site on pages 22 and 23. The Danville site averaged 199 bu. per acre with a high yield of 244.1.

Site Information						2014 Rainfall (inches)					
Pennsylvania Southeast						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Elverson	silt loam	no-till	soybean	153	5/15	2.96	3.80	6.88	1.39	1.92	-2.41
Hanover	silty clay loam	no-till	soybean	155	5/27	3.30	4.63	3.63	3.52	-0.30	-0.26
Kutztown	silty clay loam	no-till	soybean	272	5/8	2.05	3.96	6.92	2.41	2.40	-1.69
Lancaster	silty clay loam	no-till	corn, 2+ yr	210	6/2	3.82	4.93	9.10	1.65	4.66	-1.77
Lebanon	silt loam	conventional	corn, 2+ yr	223	5/8	3.39	4.11	8.06	1.94	3.50	-1.70
Spring Grove	silty clay loam	no-till	soybean	185	5/24	4.03	4.90	4.15	3.79	0.33	0.19

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



Rob Kauffman, FIRS Manager



Corn Stats:

Yield Range: 212.0-251.7

Yield Average: 230.4

Top \$ Per Acre: \$822.00

Corn Field Notes: Delaware Maryland North

Bridgeville—This was one of the best tests ever harvested from this location! Emergence was excellent with very good early vigor. Timely rainfall and irrigation as needed helped this crop to avoid being under stress. Daytime temperatures stayed cool enough to protect corn growth, pollination and kernel development. The only disease pressure observed was some late-season anthracnose and gray leaf spot. Neither of these caused any problems with standability. Planted on May 9 and harvested on Oct. 7, this site produced an average of 236 bu. per acre. I would rate this location a 9.5 of 10.

Chestertown—This location was planted June 2. Conventional tillage and warm moist soil got this crop off to a fast start. Rains came when needed, and a lack of extreme heat allowed the corn to avoid suffering a prolonged stress period. Some gray leaf spot and northern leaf blight came in late season but only affected the plants cosmetically. Grain moistures at harvest were high because the farmer was filling a high-moisture corn bag. With the combine set properly, there was very little corn passing out the back and almost none left on the cob. Harvested on Oct. 8, this test location produced an average of 214 bu. per acre. I would rate this location an 8 out of 10.

Middletown—Bill Alfree, our FIRS farming member for the Middletown location, was very pleased

with his corn surrounding the site, as it averaged about 250 bu. per acre. The site averaged even higher at 260.7 bu. per acre, and several hybrids produced over 275 bu. per acre. The top-producing hybrid topped 300 with a yield of 303.2 bu. per acre! Although there was less rainfall than in 2013, it was timely and never excessive enough to cause any leaching issues. Another contributing factor to these high yields was that temperatures never reached extreme levels during the summer. The only negative to the test was grain moistures, as they were higher than normal. It is possible that this is because of the fungicide application and the lack of disease pressure. I would rate this location a 9 out of 10.

Sudlersville—The Sudlersville test site was planted on May 9. Rainfall at this location was average for the entire summer. The irrigation rig was run only five times throughout the growing season. This site was harvested on Oct. 8. The corn dried down extremely fast and yields were above normal, averaging 242.9 bu. per acre. Diseases present here included anthracnose and northern corn leaf blight. I would rate this site a 7 out of 10.

Warwick—Planted on May 20, this site looked good all season long. Growing conditions through the summer were excellent. We received rainfall when it was needed and moderate temperatures. Although some anthracnose

and gray leaf spot arrived in late August, overall disease pressure was low. Getting plots harvested early for good hybrid comparisons for yield is important, but sometimes lodging ratings are sacrificed in the process. The lodging rating really shows the true stalk quality for many farmers in this region at this time. This site was harvested on Nov. 8 when FIRS farming member Jonathan Quinn was harvesting the rest of the field. Cobs were solid at harvest, indicating the absence of ear blights. This site produced an average of 231.7 bu. per acre. Besides the great yields produced here, this site has a lot of data to be gleaned as well. Overall, I would rate this site a 9 out of 10.

Westminster—This site wins the award for most fodder. It was planted on May 24 and harvested on Nov. 11. Many hybrids were over 12' tall with a lot of leaves and husks. This is usually a great sign of good growing conditions and good soil nutrient balance. Corn emerged almost 100% and looked good all summer long. This site had a cooler-than-normal summer with rains coming when they were needed, allowing the corn to push their high-end yields. Very little disease and insect pressure were found here, and most hybrids were still intact at harvest. Harvested on Nov. 11, this site produced an average of 227.4 bu. per acre. Overall, I would rate this site an 8 out of 10.

FIRST Delaware Maryland North Corn Results



ALL-SEASON TEST 105-115 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	Bridgeville	Chestertown	Middletown#	Sudlersville	Warwick	Westminster
Hubner	H4663RC2P	VT2P,B	AC,P5V	113	251.7	22.8	2	822	1	254.9	216.2	303.2	278.0	264.0	245.6
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	243.6	20.4	2	810	2	240.7	237.9	251.6	262.2	243.8	233.5
Armor	1330Pro2	VT2P	AC,P5V	113	242.6	21.7	1	799	5	243.2	237.1	266.2	244.8	250.8	236.9
AgriGold	A6533VT3PRIB	VT3P,B	AC,P5V	113	240.6	20.3	1	801	4	250.5	230.5	282.4	226.6	240.1	255.2
Doebler	RPM 5115AM^	AM,B	MQ,P1V	111	239.8	19.5	2	803	3	233.9	244.3	252.6	238.0	246.9	235.7
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	238.4	22.9	1	778	16	244.4	207.3	262.4	248.0	242.2	250.3
Chemgro	7435RDP	VT2P,B	AC,P2	114	238.1	21.4	3	786	10	235.9	239.7	254.9	252.0	238.1	224.8
Mid-Atlantic	MA8099VT3P	VT3P	AC,P2	109	238.0	20.4	2	791	7	251.7	228.3	259.7	245.0	230.6	234.2
Augusta	A6664VT2Pro	VT2P	AC,P5V	114	238.0	22.3	2	780	14	245.0	216.0	283.5	249.6	236.4	243.1
FS InVISION	FS 64R46SS	STX,B	AC,P5V	114	237.9	22.5	2	779	15	247.0	221.9	266.2	251.3	247.4	221.9
Augusta	A4564GENSS	STX	AC,P5V	114	237.5	23.4	2	772	20	238.8	218.8	254.8	264.5	238.7	226.5
AgriGold	A6517VT3PRIB	VT3P,B	AC,P5V	113	236.9	22.4	1	776	18	258.3	201.5	261.7	262.7	241.4	220.6
Hubner	H4744RC2P	VT2P,B	AC,P5V	113	236.2	20.8	4	783	12	242.8	230.5	273.8	241.4	234.2	231.9
AgriGold	A6458VT3PRIB	VT3P,B	AC,P5V	110	235.3	17.9	0	797	6	243.5	243.7	275.6	241.6	232.2	215.4
Doebler	RPM 5015AM^	AM,B	MQ,P1V	110	234.7	19.2	3	787	8	244.1	242.9	278.0	240.7	220.0	225.8
Dekalb	DKC61-89RIB GC	VT2P,B	AC,P2	111	234.2	19.9	4	782	13	238.4	239.8	264.9	228.7	235.6	228.7
TA Seeds	TA744-22DPRIB	VT2P,B	CM,C2	114	233.1	22.4	3	763	26	232.0	225.1	267.2	266.6	228.9	212.8
Pioneer	P0604AM GC	AM,B	MQ,C2	106	232.6	18.1	5	787	9	228.3	236.2	251.7	250.8	221.4	226.5
Dyna-Gro	D52VC91	VT2P	AC,P5V	112	232.3	21.9	3	764	24	248.5	218.0	258.7	234.8	234.3	225.9
Mid-Atlantic	MA8062VT3P	VT3P	AC,P2	106	232.2	19.6	5	777	17	227.0	230.6	255.5	243.7	234.1	225.4
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	232.1	18.1	7	785	11	241.9	226.8	258.0	245.9	218.1	227.6
Doebler	RPM 5315AMXT^	AMXT,B	MQ,P1V	113	231.9	21.0	3	768	23	225.2	215.9	276.6	249.9	238.7	229.7
Spectrum	5967	None	CM,C2,St	109	231.2	19.1	2	776	19	244.9	228.5	killed	242.7	223.2	216.6
Mid-Atlantic	MA8121VT3P	VT3P	AC,P2	112	231.2	21.2	1	764	25	247.3	209.5	257.4	250.8	226.8	221.5
Spectrum	6241	None	CM,C2,St	112	230.5	22.7	3	753	29	233.6	219.7	killed	233.6	234.9	230.5
Mid-Atlantic	MA8086STX	STX	AC,P2	108	230.4	19.6	1	771	21	222.9	226.7	262.6	227.4	237.3	237.8
Armor	1555Pro2	VT2P	AC,P5V	115	229.6	22.7	3	750	30	233.7	205.3	256.6	239.3	236.4	233.4
TA Seeds	TA683-13VPRIB	VT3P,B	CM,C2	112	229.4	21.2	3	758	27	238.6	220.3	271.6	232.9	236.4	218.8
Mid-Atlantic	MA8065STX	STX	AC,P2	106	228.6	18.8	4	769	22	217.6	232.4	245.9	254.1	219.6	219.4
Pioneer	P1105AM GC	AM,B	MQ,C2	111	226.7	20.2	8	755	28	233.3	220.9	252.9	229.7	226.8	222.8
Test Average =					230.4	21.5	3	760		236.0	214.0	260.7	242.9	231.7	227.4
LSD (0.10) =					13.9	3.1	6			12.4	21.0	21.4	21.3	13.6	16.4

Bold yields are significantly above test average. # = Results not included in summary, non-GMOs killed



At this stage, corn plants have tremendous yield potential. This year delivered ideal rain and temperatures to actually allow that yield potential

to be delivered at harvest. The mid-Atlantic area tests saw tremendous corn yields this year due to cooperative weather.

Site Information						2014 Rainfall (inches)					
Delaware Maryland North						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Bridgeville	sandy loam	conventional	soybean	248	5/9	3.41	2.54	2.92	2.49	-1.47	-1.38
Chestertown	loamy sand	conventional	soybean	205	6/2	2.32	5.57	4.86	4.22	0.78	0.97
Middletown	loamy sand	conventional	soybean	308	5/6	3.67	3.17	3.82	5.11	-0.73	1.34
Sudlersville	sandy loam	no-till	corn	200	5/9	2.65	4.10	4.52	3.68	0.44	0.43
Warwick	sandy loam	minimum	soybean	195	5/20	3.30	3.61	4.03	4.39	-0.52	0.62
Westminster	sandy loam	no-till	wheat/soybean	188	5/24	3.67	3.51	6.00	2.22	1.68	-1.50

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



Rob Kauffman, FIRS Manager



Corn Stats:

Yield Range: 176.1-224.4

Yield Average: 200.0

Top \$ Per Acre: \$718.00

Corn Field Notes: Virginia Coastal Plain

Charles City—The Charles City site was planted into a hairy vetch cover crop and got an excellent stand; early vigor was excellent as well. The site was fed very well. When combined with irrigation and cooler-than-normal temperatures, the corn never encountered a stress period. With fungicide application, disease was not an issue; however, some gray leaf spot and anthracnose arrived late in the season. This did not affect standability. Overall, I would rate this site a 9 out of 10.

Dunnsville—The soil moisture on this site was extremely wet at planting, but hybrids responded nicely coming out of the ground. The temperatures remained cooler than normal for most of the summer and timely rains allowed for some nice corn yields. Disease pressure was also light with gray leaf spot and northern corn leaf blight present, but they were not severe enough to impact yield or standability. Overall, I would rate this test a 7 out of 10.

Pungoteague—The Pungoteague site had excellent soil moisture at planting, which helped get the hybrids off to a fast start. Adequate rainfall throughout the growing season produced high yields averaging 212 bu. per acre. Temperatures never reached highs that stressed the corn more than a little rolling of the leaves. Some northern corn leaf blight developed late, but standability was not

compromised. Overall, I would rate this site a 9 out of 10.

Heathsville—Soil temperature and moisture were above normal at planting on this site, and the plants responded with good emergence and early growth. Rainfall amounts for June and July were good at 3.5" and 3.7", respectively. The rainfall timing resulted in very little crop stress. The longest period without rain was between June 15 and July 3. Temperatures remained cooler than normal for most of the summer. There was very little disease pressure on this test; a fungicide application allowed for an excellent finish to the crop. Overall, I would rate this site a 7 out of 10.

Mechanicsville—Early-season growth was excellent at this site. Plants emerged uniformly because of good soil temperatures and moisture. Plants continued nicely until the third week of June, when a strong thunderstorm with straight-line winds severely greensnapped hybrids that were 2–3' in height. Some hybrids were almost 100% snapped; they never recovered and were barren at harvest. The lodging rating is entirely a greensnap percentage. Other hybrids were not affected. If not for this storm, this test would have been high yielding, based on the yields of the unaffected hybrids. There was good consistency throughout the site. Overall, I would rate this site a 7 out of 10.

Wakefield—Plants at the Wakefield site emerged fine, but an early-season rainfall caused some significant leaching of nutrients, preventing optimum yields. Some variability was also evident because of this factor. The growing season was generally good, with ample rainfall throughout the summer. There were no prolonged heat waves. Overall, I would rate this site a 5 out of 10.



Corn foliar diseases such as gray leaf spot and Northern corn leaf blight have been common this season. This photo displays gray leaf spot tolerant and susceptible corn leaves from a Greenville, Ill. test location. Similar pressures were seen at some of the Virginia locations.

FIRST Virginia Coastal Plain Corn Results



ALL-SEASON TEST 107-116 Day CRM

Top 30 of 42 tested

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Charles City	Dunnsville	Heathsville	Mechanicsville	Pungoteague	Wakefield
Augusta	A776VT3Pro	VT3P	AC,P5V	117	224.4	20.7	0	709	2	265.7	203.4	206.6	232.5	245.1	193.0
Hubner	H4663RC2P	VT2PB	AC,P5V	113	224.3	18.9	1	718	1	286.4	222.3	223.8	211.1	236.4	166.0
Armor	1616Pro3	VT3P	AC,P5V	116	219.3	20.2	0	695	3	258.2	222.2	227.8	218.9	244.6	143.8
Augusta	A5262GTCBLL	GT/CB/LL	CM,C2	112	217.4	19.8	1	691	4	274.7	222.2	216.9	207.7	217.8	165.2
Mid-Atlantic	MA8121VT3P	VT3P	AC,P2	112	214.4	19.8	1	682	6	258.7	208.2	199.5	231.5	212.1	176.5
AgriGold	A6573VT3PRIB GC	VT3PB	AC,P5V	114	213.7	18.8	1	685	5	266.4	198.7	219.6	211.5	216.8	168.9
TA Seeds	TA625-30	3110	CM,C2	110	212.6	19.2	0	679	7	287.0	196.4	205.7	225.5	211.3	149.9
Doebblers	5615GRQ	3000GT	CM,C2	116	212.6	20.5	0	672	9	258.4	184.2	189.6	248.6	210.4	184.6
Croplan	6640VT3PR/RIB GC	VT3PB	AC,P2	113	211.3	19.4	4	674	8	273.8	210.0	202.5	187.6	219.9	174.2
Hubner	H4744RC2P	VT2PB	AC,P5V	113	207.4	19.7	2	660	10	258.9	215.7	206.9	183.5	204.6	174.6
AgriGold	A6499STXRIB GC	STX,B	AC,P5V	112	206.4	19.9	1	656	12	265.5	189.2	208.0	206.5	218.6	150.3
AgriGold	A6517VT3PRIB GC	VT3PB	AC,P5V	113	205.3	18.8	1	658	11	266.9	188.4	192.8	223.8	208.7	150.9
Mycogen	2C799	STX,B	CM,C2	114	202.1	19.3	2	645	16	247.0	208.4	193.2	173.3	213.4	177.3
Chemgro	7145RDP	VT2PB	AC,P2	111	201.7	18.8	1	646	14	248.9	179.6	185.1	206.6	219.1	170.8
Armor	1330Pro2	VT2P	AC,P5V	113	201.2	18.5	1	646	15	267.9	184.4	182.3	166.1	235.3	171.0
TA Seeds	TA583-22DPRIB	VT2PB	CM,C2	108	200.9	17.5	1	650	13	256.6	189.1	181.7	188.8	206.1	183.3
Mid-Atlantic	MA8099VT3P	VT3P	AC,P2	109	200.5	19.3	1	640	17	248.0	200.9	186.3	212.6	214.7	140.2
Mycogen	2Y767	STX,B	CM,C2	114	200.5	19.9	1	637	20	239.7	181.9	204.0	213.3	184.5	179.6
Armor	1550Pro2	VT2P	AC,P5V	115	200.0	20.1	1	635	21	258.9	192.5	191.3	199.9	207.4	149.9
Augusta	A5566GTCBLL	GT/CB/LL	CM,C2	116	199.8	21.2	1	628	25	272.8	198.5	207.6	189.0	193.1	137.6
Mycogen	2V709	STX,B	CM,C2	110	199.3	18.8	2	639	18	237.4	176.7	201.9	205.9	203.8	170.2
Mid-Atlantic	MA5122GT3	3000GT	CM,C2	112	198.8	19.7	2	633	23	254.4	186.8	189.6	195.5	203.9	162.4
TA Seeds	TA683-13VPRIB	VT3PB	CM,C2	112	198.7	19.3	1	634	22	252.4	167.1	195.9	196.4	216.5	163.9
Doebblers	RPM 5315AMX^	AM,B	MQ,P1V	111	198.2	18.2	1	638	19	242.0	197.5	209.6	181.0	215.9	143.4
Mid-Atlantic	MA8167VT3P	VT3P	AC,P2	116	197.3	20.3	1	625	28	264.2	195.1	207.0	167.3	215.2	134.9
Mycogen	2V717	STX,B	CM,C2	111	196.8	18.4	2	633	24	215.3	175.1	205.2	188.4	216.9	180.0
Dyna-Gro	D52VC91	VT2P	AC,P5V	112	196.5	19.5	1	626	26	261.3	181.9	197.5	155.9	225.6	156.9
Doebblers	RPM 5315AMX^	AMXT,B	MQ,P1V	113	195.5	18.9	4	626	27	278.7	175.9	172.8	150.1	211.9	183.3
Augusta	A8868VT3Pro	VT3P	AC,P5V	118	195.2	19.7	1	621	29	268.7	151.9	196.1	197.5	213.2	143.9
Mid-Atlantic	MA8127VT3P	VT3P	AC,P2	112	194.4	19.6	2	619	30	244.4	206.6	182.9	180.2	205.6	146.6
Test Average =					200.0	19.5	3	637		257.1	188.7	196.2	179.7	212.3	158.7
LSD (0.10) =					21.6	0.7	8			18.6	25.2	21.5	24.5	15.5	24.2

Bold yields are significantly above test average.



Not many FIRST tests are located in irrigated fields. When a test is established in a new area, fields with more uniform soils and growers with production practices typical for the area are strongly considered.

You can volunteer to host a FIRST test by clicking the "Contact Us" button at www.firstseedtests.com and providing the requested information. If a test is needed in your area a FIRST representative will contact you.

Site Information						2014 Rainfall (inches)					
Virginia Coastal Plain						Monthly				Vs. 30-year avg.	
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August
Charles City	sandy loam	no-till	corn	276	5/13	2.69	5.28	5.15	2.50	-0.32	-2.87
Dunnsville	sandy loam	no-till	wheat/soybean	150	4/28	2.62	5.00	3.26	3.15	-1.32	-1.48
Heathsville	sandy loam	no-till	wheat/soybean	165	4/25	3.50	4.22	3.97	4.14	-0.61	-0.49
Mechanicsville	sandy loam	conventional	soybean	230	4/24	3.66	4.36	3.52	2.64	-1.00	-1.12
Pungoteague	sandy loam	conventional	soybean	150	4/22	4.01	2.77	3.68	2.07	-1.36	-2.22
Wakefield	sand	no-till	wheat	135	4/24	4.12	3.10	4.84	1.87	0.03	-3.23

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

FIRST Illinois North Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Delavan	silty clay loam	minimum	30	5/22	117.7	low	6.82
Macomb	silty clay loam	minimum	30	5/22	121.5	medium	4.58
Paxton	silty clay loam	no-till	30	5/31	96.6	low	4.82
Towanda	silty clay loam	no-till	30	5/23	117.9	medium	4.60

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



Eric Beyers, FIRST Manager

Soybean Stats:

Yield Range: 47.8-63.6

Yield Average: 57.5

Top \$ Per Acre: \$613.00

Soybean Field Notes: Illinois North Central

Delavan—FIRST farming member Kevin Kendregan's field received ample rainfall from the beginning to the end of the season. The month of August had an excess of rainfall. These conditions contributed to disease development (sudden death syndrome), which killed some varieties prematurely and did not let them finish with top-end yields. The top 12" of dead plants had underdeveloped stem and pods. Plant heights ranged from 36–48". Seed size ranged from 3,000 to 4,600 seeds per pound.

Macomb—FIRST farming member Jerry Lewis said that strong winds from a thunderstorm at the end of August caused heavy root

lodging in his field. The site also expressed symptoms of sudden death syndrome disease stress. Much like our site at Delavan, many of the Macomb varieties did not finish stem and pod development in the upper 12" of the plant. Seed size varied widely, but the seed quality was good.

Paxton—FIRST farming member Mike Short's fields were hit hard by early heavy rains. The crop was planted into wet soil conditions. Most of the seed-treated varieties did not mind the damp soil, but it was easy to spot any varieties that did not have seed treatment, as their stands were diminished severely. Plant heights were shorter

at 24–36". Some varieties set pods very close to the ground. Some varieties had side branching but others did not. This was a stressful site at which abundant rains impacted stands. One replication was removed because of the effect of ponding on yield.

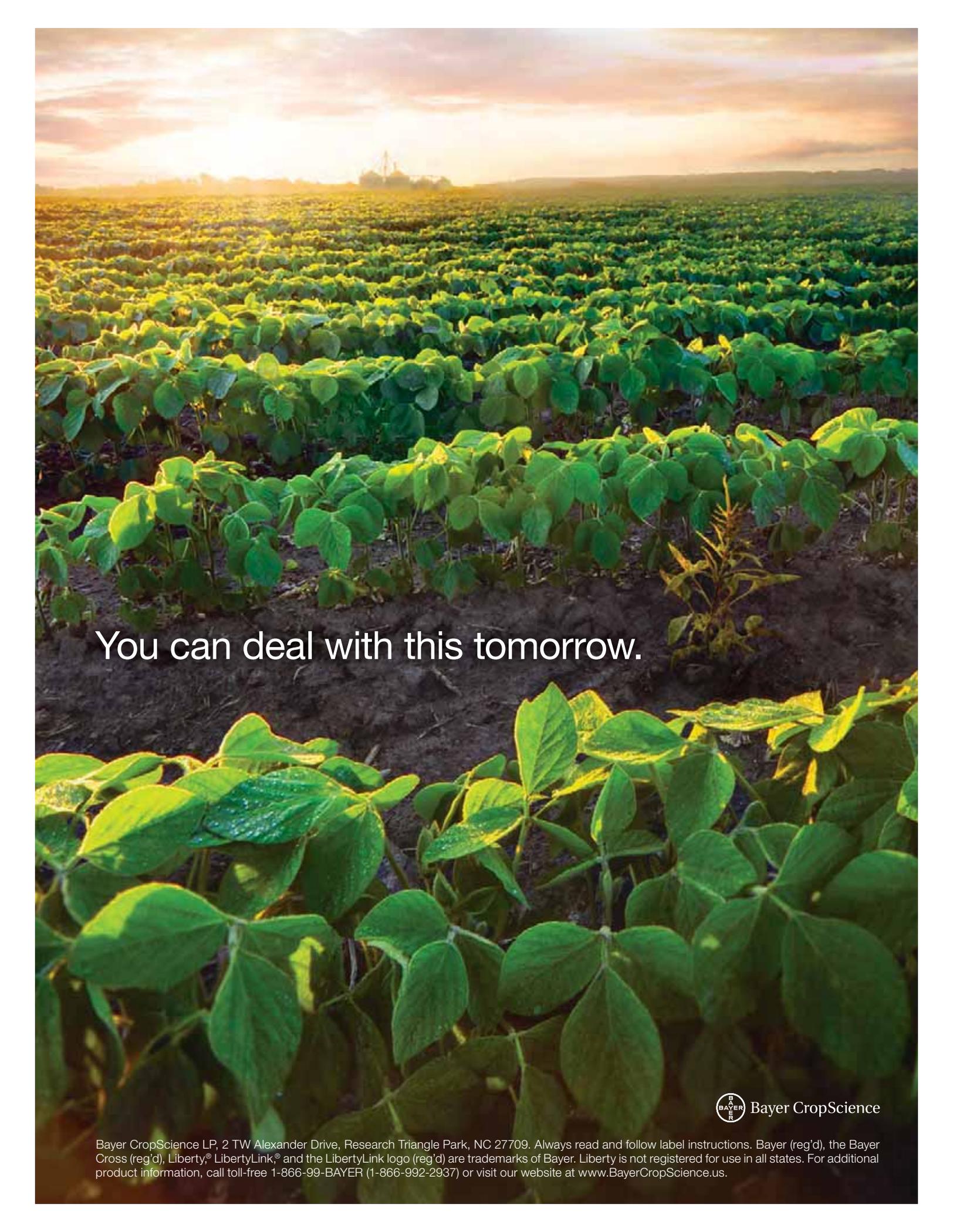
Towanda—FIRST farming member Judson Stover commented that a storm packing winds over 60 mph around Labor Day hit his farm. Some varieties were lodged from those winds. Sudden death syndrome was not present in the trial despite being prevalent in the area. Plant heights ranged from 36–48". Seed set was good here and the seed size was large.

2.8-3.8 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)	Delavan	Macomb	Paxton†	Towanda
Steyer	2805R2	RR2Y	2.8	MR	CMBV	63.6	12.7	4	613	60.6	74.5	48.2	71.2
Pfister	29R25	RR2Y	2.9	R	CCB	63.3	12.4	6	610	59.7	72.6	51.7	69.0
LG Seeds	C3989R2	RR2Y	3.9	R	AC,PV	62.4	13.1	2	601	60.0	70.4	52.8	66.3
Asgrow	AG3334 §	RR2Y	3.3	MR	ACi	62.2	12.8	0	600	57.7	66.5	56.0	68.7
Asgrow	AG3832 §	RR2Y	3.8	R	ACi	62.1	12.8	0	599	56.2	68.2	53.9	69.9
Steyer	3301R2	RR2Y	3.3	MR	CMBV	62.0	12.9	1	598	56.3	71.0	54.5	66.1
Stone	2R3604	RR2Y	3.6	MR	ACi	62.0	13.3	2	597	59.9	65.2	56.7	66.3
Seed Consultants	SCS 9385RR^ GC	RR	3.8	R	EE,G	61.3	13.1	1	591	56.6	69.6	54.0	65.0
Steyer	3103R2	RR2Y	3.1	MR	CMBV	61.1	12.8	3	589	59.3	66.8	52.1	66.0
FS Hisoy	HS 34A42	RR2Y	3.4	R	CMBV	60.7	12.7	0	585	60.0	65.2	54.0	63.7
Pioneer	P34T07R2 §	RR2Y	3.4	MR	EE,G	60.5	12.8	1	583	58.4	70.2	49.6	63.6
Pfister	34R20	RR2Y	3.4	R	CCB	60.5	13.0	3	583	54.7	65.2	53.9	68.1
Pfister	30R25	RR2Y	3.0	R	CCB	60.3	12.9	2	581	53.9	65.0	54.6	67.7
Stone	2R2915	RR2Y	2.9	R	ACi	59.9	12.5	14	577	58.6	68.4	50.0	62.6
Steyer	3605R2	RR2Y	3.6	MR	CMB	59.7	12.9	4	576	61.5	68.0	44.6	64.7
Dairyland	DSR-3313/R2Y	RR2Y	3.3	R	CMB	59.5	12.8	1	574	54.2	62.9	53.9	67.0
FS Hisoy	HS 38A32	RR2Y	3.8	R	CMBV	59.5	13.1	5	573	61.1	61.7	50.6	64.6
Dyna-Gro	37RY33	RR2Y	3.3	R	CMBV	59.2	13.1	1	571	57.5	65.9	51.4	62.1
Stine	37RC82 §	RR2Y,ST	3.7	R	None	59.2	13.4	2	570	62.2	62.2	48.1	64.1
Seed Consultants	SCS 9345RR^ GC	RR	3.4	R	EE,G	59.0	12.0	3	569	52.2	65.9	53.3	64.4
Site Averages =			57.5	12.9	5	554	54.4	62.6	49.0	63.8			
LSD (0.10) =			4.7	0.5	9	6.3	7.6	7.2	4.6				

Results in **bold** are significantly above test average. † = 2 replications

A wide-angle photograph of a soybean field at sunset. The sun is low on the horizon, casting a warm, golden glow over the rows of green plants. The sky is filled with soft, colorful clouds. The plants in the foreground are in sharp focus, showing their characteristic trifoliate leaves.

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FIRST Illinois South Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Clayton	silty clay loam	minimum	30	5/21	113.6	low	6.55
Forsyth	silty clay loam	minimum	30	5/23	109.7	low	4.44
Tuscola	silty clay loam	no-till	30	5/31	104.6	medium	5.36
Virden	silt loam	minimum	30	5/21	116.1	medium	6.89

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



Eric Beyers, FIRST Manager

Soybean Stats:

Yield Range: 50.6-62.8

Yield Average: 57.7

Top \$ Per Acre: \$605.00

Soybean Field Notes: Illinois South Central

Clayton—FIRST farming member Terry Smith commented that the relentless rains caused a plethora of soybean diseases on his farm in 2014, such as sudden death syndrome, brown stem rot and white mold. “We just had too much rain. The soil conditions were damp all year long,” he said. Some varieties expressed some dead whole plants and dead plant tops. Plant heights looked somewhat stunted at only 24–36” tall. Even at these short heights, some varieties lodged considerably. Seed quality looked good, but size varied from 3,000 to 4,000 seeds per pound.

Forsyth—FIRST farming member Jim Cullison began cutting soy-

beans just two days before we cut this test. The site received ample rains all year. Plants had heights of 48” with medium to large seed size. Some lower branching was noted in some varieties. Soybean cyst nematode for this location is historically low. Sudden death syndrome was not noted in the test, but some area farmers talked about it affecting their fields.

Tuscola—FIRST farming member John Carmack’s grid-tiled field helped drain soil for a drier planting seedbed, which produced very uniform emergence compared to the Paxton, Ill. site that was planted on the same day. This site received an abundance of

rain throughout the season. Plant heights were 42–55” tall. Seed size was large and of excellent quality. There were no signs of sudden death syndrome or any other diseases.

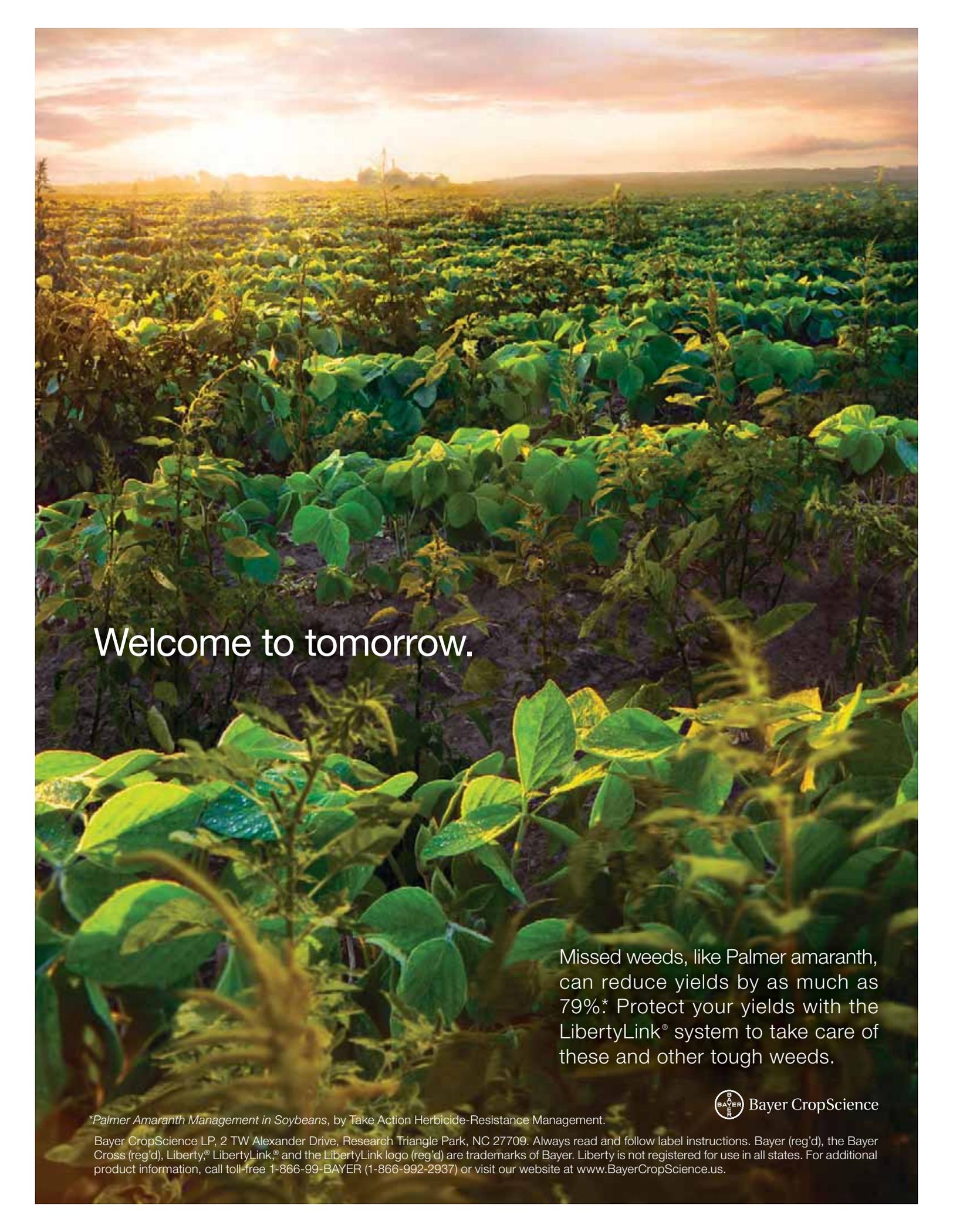
Virden—Wind from an Aug. 26 thunderstorm lodged the plants at this location. The soybean test had significant lodging, but the combine speed was reduced and the header reel picked up the crop. Plant heights were 40–48” tall. There was also moderate disease pressure. Sudden death syndrome caused some varieties to have underdeveloped pods and/or dead plant tops. Seed quality was good, but seed size varied.

3.3-4.3 Maturity Group

Top 20 of 72 tested

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Clayton	Forsyth	Tuscola	Virden
Great Heart	GT-427CR2	RR2Y	4.2	R	CMB	62.8	12.2	0	605	56.2	67.5	59.2	68.3
Channel	3707R2/SR	RR2Y,ST	3.7	MR	ACi	62.6	11.6	2	603	57.5	64.0	60.4	68.3
LG Seeds	C3989R2	RR2Y	3.9	R	AC,PV	62.0	12.3	8	598	53.8	70.0	56.8	67.2
Pfister	43R29	RR2Y	4.3	R	CCB	61.8	12.1	1	596	56.5	67.6	58.8	64.4
NuTech/G2 Gen	7357R2^	RR2Y	3.5	R	EE,G	61.0	11.9	2	588	51.2	65.5	59.5	67.9
Asgrow	AG3832 §	RR2Y	3.8	R	ACi	60.6	12.4	0	584	51.9	63.0	61.2	66.1
FS Hisoy	HS 38A32	RR2Y	3.8	R	CMBV	60.4	12.4	5	582	54.1	63.4	59.3	64.6
Asgrow	AG3334 §	RR2Y	3.3	MR	ACi	60.3	12.4	0	581	54.4	62.1	60.7	63.8
NK Brand	S39-U2 §	RR2Y	3.9	R	CCB	60.3	12.0	12	581	51.0	67.6	59.2	63.4
Pioneer	P34T07R2 §	RR2Y	3.4	MR	EE,G	60.2	12.1	6	580	54.2	65.4	58.3	62.9
Pfister	34R20	RR2Y	3.4	R	CCB	60.0	12.3	1	578	50.0	65.0	58.5	66.3
Seed Consultants	SCS 9385RR^	RR	3.8	R	EE,G	60.0	11.7	2	578	52.3	65.8	58.1	63.9
NuTech/G2 Gen	7436R2^	RR2Y	4.3	R	EE,G	59.9	12.3	0	577	53.0	66.0	56.4	64.0
Seed Consultants	SCS 9345RR^	RR	3.4	R	EE,G	59.9	11.3	1	577	52.9	63.4	58.8	64.3
Steyer	4003R2	RR2Y	4.0	MR	CMB	59.8	12.1	0	576	51.5	65.1	56.9	65.5
Asgrow	AG3634 §	RR2Y	3.6	R	ACi	59.8	12.0	1	576	53.1	62.4	57.8	65.9
Steyer	3301R2	RR2Y	3.3	MR	CMBV	59.8	12.3	3	576	51.2	62.4	61.6	64.0
FS Hisoy	HS 42A12	RR2Y	4.2	R	CMBV	59.7	12.3	1	576	44.0	67.1	61.8	65.9
Stine	37RC82 §	RR2Y,ST	3.7	R	None	59.7	12.4	6	576	50.0	64.1	58.8	66.0
Steyer	3703R2	RR2Y	3.7	MR	CCB	59.5	12.6	4	574	52.1	62.4	57.4	66.0
Site Averages =						57.7	12.3	5	556	47.2	63.3	57.7	62.3
LSD (0.10) =						3.5	0.7	10		6.6	4.0	2.9	4.6

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



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FIRST Illinois South Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Belleville	silt loam	no-till	30	5/30	103.9	medium	5.18
Du Quoin	clay loam	no-till	30	5/29	95.4	high	5.85
Greenville	silt loam	no-till	30	5/26	109.1	low	4.52
Vandalia	silty clay loam	minimum	30	5/24	92.9	medium	5.21

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



Eric Beyers, FIRST Manager

Soybean Stats:

Yield Range: 41.4-59.3

Yield Average: 51.9

Top \$ Per Acre: \$611.00

Soybean Field Notes: Illinois South

Belleville—This test was planted in a good no-till seedbed. Some varieties did lodge but most stood well. Lower side branching was fairly common. Seed set was excellent and very uniform from bottom to top on most plants. Seed quality was also great. Robust plant heights ranged from 48–60" tall. At harvest there were no signs of disease, but all of the varieties without seed treatment yielded poorly at this site.

Du Quoin—These soybeans were planted into a wet, stale seedbed that continued to receive abundant rains throughout the season. These conditions contributed to seed-treated varieties

attaining the best yields in this test. Plants were compact at only 24–30" in height. Pod sets were numerous, but they began right at the ground level. Seed quality was also quite good.

Greenville—This site was planted in marginally wet soil conditions in late May. Abundant rains followed planting along with moderate temperatures, creating an opportunity for many diseases. At harvest the aftermath of sudden death syndrome was evident. The disease caused premature plant death of select varieties or simply poor pod development on the entire plant. Yield variability was high because of the inconsistency

of this disease across the site. Seed quality was acceptable but size was erratic.

Vandalia—FIRST farmer member Ronnie Sloan said, "soybeans in this area had a difficult time drying below 15% moisture this year." We discussed the persistently wet soil conditions this fall caused by continuous rains. This site was no exception. It had ample rain throughout the season, but it was too much in some cases. Sudden death syndrome and stunted plants were seen at this site. Seed quality also suffered, as some varieties had oval-shaped seed and/or seed that split easily during threshing. Plant heights ranged from 24–48" tall.

3.8-4.7 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)	Belleville	Du Quoin	Greenville	Vandalia
LG Seeds	C4322R2	RR2Y	4.3	R	AC,PV	59.3	10.8	1	611	67.9	59.4	51.8	57.9
FS Hisoy	HS 42A12	RR2Y	4.2	R	CMBV	59.1	11.2	0	609	66.1	54.2	55.9	60.3
Seed Consultants	SCS 9435R2^	RR2Y	4.3	R	EE,G	57.2	10.9	0	590	65.7	55.0	55.8	52.4
Great Heart	GT-427CR2	RR2Y	4.2	R	CMB	56.9	10.9	0	587	65.2	59.7	47.4	55.2
Dairyland	DSR-4330/R2Y	RR2Y	4.3	R	CMB	56.9	11.2	1	587	66.4	55.9	45.4	59.7
Steyer	4303R2	RR2Y,ST	4.3	MR	CMBV	56.7	11.1	5	585	69.6	58.0	39.9	59.2
Dyna-Gro	39RY43	RR2Y	4.3	R	CMBV	56.6	10.9	0	584	65.9	54.2	47.9	58.3
FS Hisoy	HS 45A12	RR2Y	4.5	R	CMBV	56.4	11.3	1	581	68.9	55.4	46.9	54.3
NuTech/G2 Gen	7436R2^	RR2Y	4.3	R	EE,G	56.1	11.1	0	578	67.6	57.3	51.6	47.7
FS Hisoy	HS 43A42	RR2Y	4.3	R	ACi	56.0	10.8	2	577	65.8	59.0	49.6	49.4
Dairyland	DSR-4490/R2Y	RR2Y	4.4	MR	CMB	56.0	10.9	2	577	68.4	55.0	46.8	53.8
Stone	2R4302	RR2Y	4.3	R	ACi	55.6	10.8	0	573	65.9	58.1	45.6	52.9
Stone	2R4204	RR2Y	4.2	R	ACi	55.5	11.0	3	572	66.7	52.5	48.2	54.5
Pfister	43R29	RR2Y	4.3	R	CCB	55.0	11.0	0	567	65.2	59.0	42.1	53.5
Channel	4508R2/SR	RR2Y,ST	4.5	R	ACi	54.9	11.1	1	566	63.8	55.4	45.5	54.7
Channel	4107R2 GC	RR2Y	4.1	R	ACi	53.7	11.0	3	554	64.2	57.0	48.1	45.5
FS Hisoy	HS 45A42	RR2Y	4.5	R	CMBV	53.7	11.0	4	554	68.9	56.5	35.2	54.2
NuTech/G2 Gen	7384^	RR	3.8	R	EE,G	53.3	10.5	2	550	66.1	55.8	46.6	44.6
FS Hisoy	HS 47A42	RR2Y,ST	4.7	R	CMBV	52.9	11.3	1	545	64.7	56.9	36.6	53.4
Steyer	4602R2	RR2Y	4.6	MR	CMBV	52.9	10.9	2	545	67.6	52.5	37.4	54.2
Site Averages =						51.9	10.9	2	535	63.5	52.5	41.1	50.3
LSD (0.10) =						5.8	0.3	4		4.6	4.6	9.8	6.4

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



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FIRST Indiana Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Greensburg	clay loam	no-till	15	5/28	192.8	n/a	3.97
Otterbein	silt loam	no-till	15	5/27	192.4	n/a	5.27
Windfall	silty clay loam	conventional	15	5/28	175.7	n/a	6.23
Wingate	silty clay loam	no-till	15	5/22	192.4	n/a	5.05

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



Rich Schleuning, FIRST Manager

Soybean Stats:

Yield Range: 56.2-70.0

Yield Average: 64.0

Top \$ Per Acre: \$692.00

Soybean Field Notes: Indiana Central

Greensburg—This area missed some of the heavy rains this fall. This was the second straight year of nice conditions, which was excellent following several years of the opposite. There was some light frogeye leaf spot present, but otherwise disease pressure in the area was low. Plants were up to 48" tall. High winds caused some severe lodging, with some plots flat on the ground. This was our first site without barren pods. This was a nice crop, but because of lodging, we only harvested in one direction.

Otterbein—This site had excellent seedling establishment with final populations from 179,000

to 203,000 plants per acre. There was a small amount of insect feeding on bean leaves observed at the fourth trifoliolate leaf stage. Pods on lower plant portions ranged from none to two beans. Moving up the plant stem, the number of pods per cluster increased, as did the number of three-bean pods. Data here was rejected because of significant yield reductions from ponding in scattered areas across the test.

Windfall—This spring, conditions were difficult for emergence and perfect for stand loss. Plants ranged from 34–44" tall. A light infestation of white mold was noticed on plant tops. Feeding

from bean leaf beetle was also noted. Seed count in pods ranged from none to three beans, and bean size was variable. Some stems were still green at harvest, making harvest difficult.

Wingate—Lodging was light for a crop from 36–44" tall. Node spacing was 3–4" apart. A light infestation of white mold was noticed on the tops of plants. Some insect feeding was also observed. Seed count was from none to three beans per pod with most of the empty pods located at the bottom and top of stems. One replication was discarded because of ponding that caused major yield issues.

2.8-3.8 Maturity Group

Top 20 of 63 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Greensburg	Otterbein#	Windfall	Wingate#
Ebberts	2324RR2	RR2Y	3.2	R	ACi	70.0	13.8	4	692	83.8	71.4	58.6	67.6
Armor	32-R72	RR2Y	3.3	R	A,M,C	69.8	13.7	11	690	85.4	66.8	53.3	70.7
Seed Consultants	SCS 9385RR^	RR	3.8	R	EE,G	69.4	13.6	3	686	87.2	74.6	58.0	63.1
Seed Consultants	SCS 9328RR^	RR	3.3	S	EE,G	69.3	13.4	5	686	83.1	69.0	54.5	70.3
Dairyland	DSR-3313/R2Y	RR2Y	3.3	R	CMB	69.1	13.5	4	683	82.2	70.5	56.6	68.4
Partners Brand	PB 3815R2	RR2Y	3.8	MR	CMB	68.5	13.8	6	677	81.6	72.2	55.4	68.6
Steyer	3205R2	RR2Y	3.2	MR	CMBV	68.2	13.3	4	675	81.1	76.7	53.1	70.5
Seed Consultants	SCS 9345RR^	RR	3.4	R	EE,G	68.1	12.9	2	674	83.4	73.6	50.8	70.0
Partners Brand	PB 3415R2	RR2Y	3.4	MR	CMB	68.0	13.5	4	673	76.5	73.7	58.4	69.0
Specialty	3854CR2	RR2Y	3.8	R	ACi	67.9	13.5	3	672	78.5	72.2	56.2	68.9
Specialty	3200CR2	RR2Y	3.2	MR	ACi	67.8	13.5	4	671	89.6	77.1	48.6	65.2
NK Brand	S35-A5 §	RR2Y	3.5	R	CCB	67.5	13.5	4	668	82.5	69.7	53.7	66.4
Ebberts	2394RR2	RR2Y	3.8	R	ACi	67.2	13.6	3	664	78.1	75.3	53.9	69.7
Dyna-Gro	S35RY83	RR2Y	3.5	R	CMBV	66.7	13.0	3	660	83.0	71.0	50.8	66.2
Specialty	3364CR2	RR2Y	3.3	R	ACi	66.7	13.2	7	660	83.2	69.2	54.5	62.3
Stine	30RE02 §	RR2Y	3.0	R	None	66.3	13.5	3	656	78.0	80.2	49.6	71.3
FS Hisoy	HS 38A32	RR2Y	3.8	R	CMBV	66.2	13.3	5	655	77.9	72.1	53.0	67.6
Ebberts	2364RR2	RR2Y	3.4	R	ACi	65.4	13.4	3	647	80.0	72.7	51.4	64.8
Seed Consultants	SCS 9363RR^	RR	3.6	MR	EE,G	65.4	13.7	3	647	79.6	68.5	55.9	60.7
Armor	36-R76	RR2Y	3.6	R	A,M,C	65.2	13.5	3	645	78.6	78.8	56.1	61.0
Site Averages =			64.0	13.5	4	633	77.7	72.8	51.1	63.3			
LSD (0.10) =			5.2	0.5	4	4	8.1	10.0	6.7	8.4			

Results in **bold** are significantly above test average. ‡ = 2 replications; # = rejected results, not in summary

FIRST Ohio West Central Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Caledonia	silty clay loam	no-till	30	6/7	n/a	n/a	2.22
Dunkirk	sandy clay loam	no-till	30	6/7	100.1	n/a	3.37
Lewistown	loamy sand	no-till	30	5/26	102.8	n/a	4.04
Versailles	sandy clay loam	no-till	30	5/15	n/a	n/a	n/a

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



Rich Schleuning, FIRST Manager

Soybean Stats:

Yield Range: 49.3-59.9

Yield Average: 54.6

Top \$ Per Acre: \$597.00

Soybean Field Notes: Ohio West Central

Caledonia—While harvesting the surrounding field, a pass through the test was accidentally taken with the combine. Unfortunately, the amount harvested encompassed most of the test, leaving no way to salvage even a single replication. Therefore, there is no data for this test location.

Dunkirk—The Dunkirk site was planted on June 7. Soybean plants here were short at only 26–33" in height. Node spacing ranged from 0.75–1.25" apart with good pod set. There were some empty pods with light insect feeding. Bean size was large with a nice bright color. Just like other area farms, some ponding occurred here this sum-

mer from the rain, making crop yields a bit variable across the site. Just over 3.3" of rain was received in August. There was no lodging at the time of harvest. The average yield from this location was 45.9 bu. per acre.

Lewistown—The Lewistown location was planted on May 26. The area saw some very good yields this year. It was a struggle to get the crop harvested because of the persistent wet fall conditions we had here. These wet conditions kept the mature soybean plants damp, never allowing them to fully dry down. As a result, the fodder was tough and harvest was slow. The benefit was that the

beans were large sized with a very bright seed coat. Some varieties had more than six pods per node with short node spacing. After finally being harvested on Nov. 13, this test location averaged 63.2 bu. per acre.

Versailles—Spring weather conditions were very tough at the Versailles location. The site was planted May 15, but persistent wet and cool conditions resulted in poor seedling establishment. Because of seed limitations, there was no opportunity to replant the site. The site was abandoned so that our FIRST farming member Ron Wulber could replant when he had the opportunity.

2.8-3.8 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)	Caledonia	Dunkirk	Lewistown	Versailles
LG Seeds	C3555R2	RR2Y	3.5	R	AC,PV	59.9	14.8	0	597		54.1	65.6	
Dairyland	DSR-3838/R2Y	RR2Y	3.8	MR	CMB	58.0	14.7	0	578		51.2	64.7	
Dairyland	DSR-3685/R2Y	RR2Y	3.6	R	CMB	57.7	14.8	0	575		49.7	65.7	
Steyer	3205R2	RR2Y	3.2	MR	CMBV	56.5	14.7	0	563		46.8	66.1	
Buckeye	PS343RR2	RR2Y	3.4	R	AM	56.5	14.8	0	563		47.0	66.0	
Buckeye	PS363RR2	RR2Y	3.6	R	AM	56.4	14.7	0	562		51.6	61.1	
FS Hisoy	HS 34A42	RR2Y	3.4	R	CMBV	56.3	14.7	0	561		46.6	66.0	
Steyer	3702R2	RR2Y	3.7	MR	CMBV	56.0	14.8	0	558		45.5	66.4	
FS Hisoy	HS 37A42	RR2Y	3.7	R	ACi	56.0	14.8	0	558		45.5	66.4	
Partners Brand	PB 3915R2	RR2Y	3.9	R	CMB	55.5	14.6	0	553		50.3	60.6	
FS Hisoy	HS 36A42	RR2Y	3.6	R	ACi	55.4	14.8	0	552		47.4	63.3	
NK Brand	S38-W4 GC	RR2Y	3.8	R	CCB	55.1	14.5	0	549		45.7	64.5	
Ebberts	2394RR2	RR2Y	3.8	R	ACi	55.0	14.8	0	548		46.1	63.8	
Steyer	3301R2	RR2Y	3.3	MR	CMBV	54.9	14.9	0	547		43.4	66.4	
Partners Brand	PB 3415R2	RR2Y	3.4	MR	CMB	54.8	14.7	0	546		47.4	62.2	
Ebberts	2324RR2	RR2Y	3.2	R	ACi	54.7	14.6	0	545		44.9	64.4	
LG Seeds	C3989R2	RR2Y	3.9	R	AC,PV	54.7	14.8	0	545		47.4	61.9	
Ebberts	2305RR2	RR2Y	3.0	R	ACi	54.2	15.1	0	540		45.7	62.7	
Ebberts	2364RR2	RR2Y	3.4	R	ACi	54.0	14.7	0	538		46.7	61.2	
Advanced Genetics	AGI35R2Y3	RR2Y	3.5	R	CMB	54.0	14.8	0	538		46.4	61.6	
Site Averages =			54.6			14.7	0	544		45.9	63.2		
LSD (0.10) =			4.9			0.3	ns			6.6	4.5		

Test lost to accidental harvest by grower (Caledonia, Dunkirk, Versailles)
 Test lost to extremely wet cool conditions (Versailles)

FIRST Pennsylvania Southeast Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Hanover	silty clay loam	no-till	15	5/27	156.3	n/a	3.52
Martinsburg	silt loam	no-till	15	5/30	178.8	n/a	3.47
Northumberland	silt loam	no-till	15	6/4	177.5	n/a	3.77
State College	silty clay loam	no-till	15	5/30	176.9	n/a	2.40

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



Rob Kauffman, FIRST Manager

Soybean Stats:

Yield Range: 60.1-70.5

Yield Average: 65.2

Top \$ Per Acre: \$706.00

Soybean Field Notes: Pennsylvania Southeast

Hanover—Emergence at this site was good, with adequate soil moisture at planting. It was generally a good growing season, but there were two different weather periods: one in July, when rainfall was short, and one in August, when showers finally came. Fortunately, the crop was able to hang around long enough to benefit from the August rains. Standability was excellent and disease pressure was not an issue. Average yields from this test were 49.7 bu. per acre. The crop harvested extremely well. Overall, I would rate this test an 8 out of 10.

Martinsburg—The growing season here on the Martinsburg

site was outstanding from the very beginning all the way to the end. The soil moisture was good for emergence. There was plenty of rain throughout the summer, but there was never an excess of water. The soybeans were never under stress. They looked good at harvest and yielded even better than they looked. Overall, I would rate this test an 8 out of 10.

Northumberland—The Northumberland test saw excellent emergence. Rainfall here was above average for most of the growing season. A lack of frost allowed the soybean plants to mature normally. There were no green stems present at harvest, which

aided in a smooth harvest. Plant heights ranged from 30–45" tall. Average yields from this test were 66.1 bu. per acre. Overall, I would rate this test an 8 out of 10.

State College—Soybeans at this test site got off to a good start. The spring weather was cool and wet. Summer was almost the same, but the weather was on the verge of too much rainfall at times. Without an early frost, the beans continued to set pods through September. Late-blooming beans were small and difficult to thresh cleanly. Average yields from this test were 65.1 bu. per acre. Overall, I would rate this test an 8 out of 10.

2.8-3.8 Maturity Group

Top 24 of 24 tested

Company/Brand	Product/Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Hanover	Martinsburg	Northumberland	State College
Hubner	H32-13R2	RR2Y	3.2	R	AC,PV	70.5	11.1	7	706	57.7	85.7	69.9	68.8
Mid-Atlantic	MAS3815NRR2	RR2Y	3.8	MR	PS	68.2	11.6	5	683	55.7	81.4	70.7	64.9
Pioneer	P34T07R2 GC	RR2Y	3.4	MR	EE,G	67.9	11.5	9	680	56.7	88.3	65.7	60.7
Asgrow	AG3034 GC	RR2Y	3.0	R	ACi	67.4	10.8	5	675	41.8	79.7	78.1	69.8
TA Seeds	TS3449R2	RR2Y	3.4	R	AVB	67.0	11.0	4	671	50.6	84.6	65.3	67.5
Asgrow	AG3334 GC	RR2Y	3.3	MR	ACi	66.8	11.2	3	669	49.6	81.0	68.4	68.2
TA Seeds	TS3759R2	RR2Y	3.7	R	AVB	66.8	11.5	6	669	47.8	86.4	64.2	68.7
Hubner	H37-14R2SR	RR2Y,ST	3.7	MR	AC,PV	66.5	11.8	12	666	50.0	77.1	68.1	70.7
TA Seeds	TS2849R2S	RR2Y,ST	2.8	R	AVB	66.5	11.1	13	666	50.5	88.0	61.9	65.7
Mycogen	5N312R2	RR2Y	3.1	R	CCB	66.4	11.1	6	665	51.4	83.5	64.4	66.4
Hubner	H42-13R2	RR2Y	4.2	R	AC,PV	66.4	12.2	6	665	51.2	79.0	74.2	61.0
Mid-Atlantic	MAS3113NRR2	RR2Y	3.1	MR	PS	65.8	11.2	11	659	51.9	82.5	64.7	63.9
Mycogen	5N342R2	RR2Y	3.4	R	CCB	65.5	11.3	7	656	44.7	78.1	71.4	67.7
Mid-Atlantic	MAS3889NRR2/STS	RR2Y,ST	3.8	MR	PS	64.9	12.3	17	650	59.9	79.4	57.4	62.7
Hubner	H34-15R2	RR2Y	3.4	R	AC,PV	64.9	11.4	18	650	47.3	82.6	61.3	68.4
Doebler	RPM DB2812RR^	RR	2.8	R	EE,G	64.7	11.4	1	648	47.3	80.6	67.3	63.7
Doebler	RPM DB3315RR^	RR	3.3	R	EE,G	64.4	10.7	2	645	46.9	81.1	64.0	65.4
Dyna-Gro	S35RY83	RR2Y	3.5	R	CMBV	64.4	11.2	7	645	43.5	79.4	69.1	65.5
Pioneer	P35T58R2 GC	RR	3.5	R	EE,G	63.8	11.1	15	639	51.3	70.6	70.0	63.1
TA Seeds	TS3159R2	RR2Y	3.1	R	AVB	62.8	10.9	6	629	42.6	75.4	65.9	67.3
Site Averages =			65.2	11.4	10	653	49.7	79.7	66.1	65.1			
LSD (0.10) =			5.4	0.8	9	9.3	6.4	6.1	4.9				

FIRST Delaware Maryland North Soybean Results

Site Information

Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)
Hanover	silty clay loam	no-till	15	5/27	156.3	n/a	3.52
Middletown	sandy loam	no-till	15	5/26	177.7	n/a	6.04
Preston	sandy loam	no-till	15	5/26	172.7	n/a	2.03
Westminster	sandy clay loam	no-till	15	6/4	157.7	n/a	2.22

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



Rob Kauffman, FIRST Manager

Soybean Stats:

Yield Range: 68.4-76.9

Yield Average: 71.6

Top \$ Per Acre: \$759.00

Soybean Field Notes: Delaware Maryland North

Hanover—Emergence was good, with adequate soil moisture at planting. This was generally a good growing season. There were two periods where rainfall was short – one in July and one in August – but the soybeans were able to hold up until the showers came. Standability was excellent and disease pressure was not an issue. The average yield from this test was 66.4 bu. per acre. Soybeans here harvested extremely well. Overall, I would rate this test an 8 out of 10.

Middletown—Good soil moisture and temperatures got these soybeans off to a good start. The summer experienced above-average rainfall and below-average

temperatures. Some varieties reached over 45" in height, and lodging was a problem at this site. The bean plants set pods very well, and the seed size was large. Disease and insect pressure was light and did not affect standability or yield. This site did not experience any frost until after harvest. The average yield from this test was 65.1 bu. per acre. Overall, I would rate this test a 7 out of 10.

Preston—Seedling emergence was very good at this site. The growing season was good with adequate rainfall. An additional 4–5" of irrigation water was applied during August and September. There were very few days with

temperatures in the 90s for much of the summer. Some varieties still had green stems at harvest, but grain moisture did not seem to be affected. The average yield from this test was 75.9 bu. per acre, and the yield monitor frequently reported 80 bu. per acre on the field around the test. Overall, I would rate this test a 7 out of 10.

Westminster—Soybeans at the Westminster location got off to a good start, with a planting date of June 4. With plenty of rain through the summer, they looked good right through harvest and produced an average yield of 79 bu. per acre for this test. Overall, I would rate this test an 8 out of 10.

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)	Hanover	Middletown	Preston	Westminster
Pioneer	P34T07R2 GC	RR2Y	3.4	MR	EE,G	76.9	10.6	12	759	67.8	69.3	89.3	81.3
Mid-Atlantic	MAS3889NRR2/STS	RR2Y,ST	3.8	MR	PS	76.8	10.8	6	758	71.9	74.6	85.8	74.9
TA Seeds	TS4339R2	RR2Y	4.3	R	AVB	74.9	11.2	9	739	70.2	70.6	81.7	77.0
Mid-Atlantic	MAS3815NRR2	RR2Y	3.8	MR	PS	74.3	10.3	1	733	68.1	72.5	70.7	85.9
Hubner	H42-13R2	RR2Y	4.2	R	AC,PV	73.9	10.8	6	729	64.6	71.1	79.6	80.4
TA Seeds	TS3959R2S	RR2Y,ST	3.9	MR	AVB	73.4	10.5	6	724	70.4	64.0	77.3	82.0
Armor	36-R76	RR2Y	3.6	R	A,M,C	73.4	10.9	8	724	66.2	67.9	77.3	82.3
Mycogen	5N423R2	RR2Y,ST	4.2	R	CCB	73.3	11.0	3	723	71.0	62.3	79.8	80.2
Mid-Atlantic	MAS4222NRR2	RR2Y	4.2	MR	PS	73.1	10.2	10	721	66.0	68.9	84.3	73.1
Channel	4206R2	RR2Y	4.2	R	ACI	72.5	10.8	4	716	66.8	66.2	72.3	84.7
Hubner	H37-14R2SR	RR2Y,ST	3.7	MR	AC,PV	72.3	10.4	5	714	65.6	60.2	82.1	81.3
Dyna-Gro	S40RY25	RR2Y	4.0	R	CMBV	72.2	10.7	3	713	64.8	71.7	73.6	78.6
Armor	AX4390	RR2Y	3.9	R	A,M,C	72.1	10.5	3	712	69.5	63.7	78.9	76.2
Doeblers	RPM DB3815RR^	RR	3.8	R	EE,G	72.1	10.9	3	712	74.3	60.0	75.1	79.0
Armor	43-R43	RR2Y	4.3	R	A,M,C	72.0	10.5	6	711	66.1	71.0	80.9	70.1
Channel	4306R2/STS	RR2Y,ST	4.3	R	ACI	71.6	10.8	3	707	70.1	66.3	72.4	77.6
Mid-Atlantic	MAS3689NRR2	RR2Y	3.6	MR	PS	71.1	10.9	10	702	65.7	67.8	78.8	72.1
Mycogen	5N385R2	RR2Y	3.8	R	CCB	70.7	10.8	3	698	65.9	65.5	66.9	84.3
Dyna-Gro	S39RY65	RR2Y	3.9	R	CMBV	70.0	10.5	2	691	64.1	60.5	67.8	87.5
Channel	3806R2/STS	RR2Y,ST	3.8	MR	ACI	69.8	10.4	4	689	59.6	65.2	75.2	79.3
Site Averages =			71.6	10.7	6	707	66.4	65.1	75.9	66.4	65.1	75.9	79.0
LSD (0.10) =			5.9	0.5	5	6.2	5.6	7.9	6.1				



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