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2012

Ohio River & Mid-Atlantic Edition



Evaluating Corn Hybrids and Soybean Varieties













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





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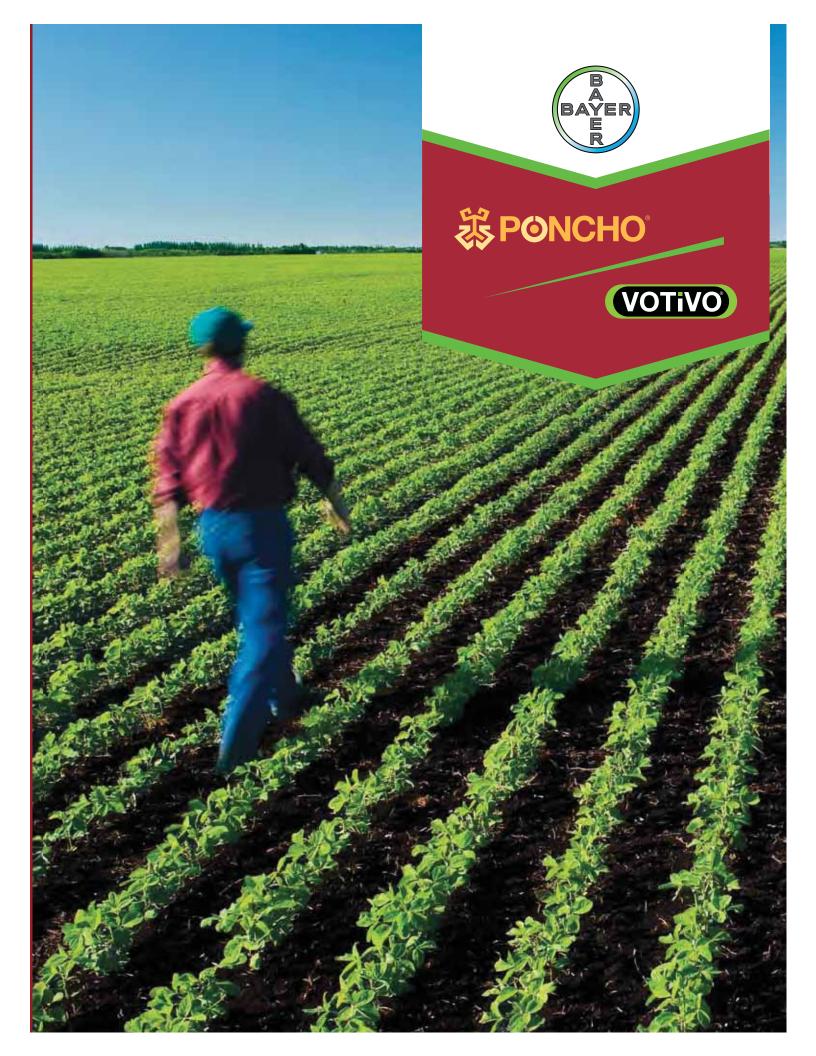
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Applied on more than 14 million acres of corn already, Poncho/VOTiVO^{*} seed treatment from Bayer CropScience helps farmers achieve higher levels of production by using a systemic agent that helps protect the whole plant against insect pests. Poncho/VOTiVO also uses a biological component that protects against nematodes during early development, leading to healthier stands and larger yields. So get treated and get growing. Contact your seed dealer or visit ponchovotivo.us to learn more.

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

larmer's Independent Research of Seed Technologies (F.I.R.S.T.) is an independent corn and soybean yield testing service. We compare product yield performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin. In 2012, we compared yields of 914 corn grain and 679 soybean products. In total, more than 72.486 plot strips spread across 298 farms were established.

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

Sponsoring seed companies submit their best products to desired test regions. They provide high-quality seed from commercial lots and fees to enter F.I.R.S.T. seed tests. Exceptions are check products (denoted by CK), chosen by F.I.R.S.T. 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.

F.I.R.S.T. managers package, randomize, and plant seeds into host grower fields using slightly modified commercial planting equipment. Plot strips are 45' long and 10' wide (four 30" corn rows and soybean rows of either seven 15" 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 maturity range, respectively, are pooled into a single allseason 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 nonuniform plot areas.

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

F.I.R.S.T. regional summaries are designed to identify consistently high yielding products from multiple locations. Product performance is averaged across all locations within a region. Regional summary tables rank the Top 30 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

Footnotes and Abbreviations:

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

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

Brand names ending with GC are grower chosen comparison products.

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

identifies rejected results omitted from summary

‡ identifies locations with 2
replications

§ identifies United Soybean Board sponsored entries

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

ns - not significant

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

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

F.I.R.S.T. 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 or additional results visit *www.firstseedtests.com.*

Technologies

3111	Agrisure® Viptera™ 3111
3122	Agrisure® 3122
4011	Agrisure® 4011
3000GT	Agrisure® 3000GT
AM1	Optimum® AcreMax® 1
AMX	Optimum® AcreMax® Xtra
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
Conv	Conventional, non-GMO
GT	Agrisure® GT
GT/CB/LL	Agrisure® GT/CB/LL
HX	HERCULEX® I Insect Protection
HXT	HERCULEX® XTRA Insect Protection
LL	LibertyLink® herbicide tolerance
OI	Optimum® Intrasect [™]
RR	Roundup Ready [®] Soybeans
RR Lo Lin	Roundup Ready® Low Linolenic acid soybeans
RR2	Roundup Ready® Corn 2
RR2Y	Genuity [®] Roundup Ready 2 Yield [®]
STS	STS® herbicide tolerance
STX	SmartStax®
STX-R	SmartStax® Refuge Corn Blend
VT2P	Genuity® VT Double PRO™
VT2P-R	Genuity® VT Double PRO® RIB Corn Blend
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO™
VT3P-R	Genuity® VT Triple PRO® RIB Corn Blend

Seed Treatments

Ac Am Ap Avc C2, C5, C1 Ce CMB D Es Ex G I Mq Mx O P2, P5, P1 Pr R Rc S SDPI SS+ SStd T T2 T6 Th V	Allegiance® Acceleron® ApronMaxx® Apron XL® Avicta® Complete Corn Cruiser® @ 0.25, 0.5 and 1.25 mg ai/seed Cruiser® Extreme CruiserMaxx® Beans Dynasty® Escalate® Excalibre™ Gaucho® Inovate™ System Maxim® Quattro Maxim® XL Optimize® Poncho® at 0.25, 0.5 and 1.25 mg ai/seed Protinus™ Raxil@ Rancona® Stamina® Servo™ DPI SoyShield™ Plus SureStand™ Trilex® Trilex® 2000 Trilex® 6000 thiabendazole VOTiVO® zinc
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Ohio River and Mid-Atlantic Edition

Covering portions of Illinois, Indiana, Ohio, Pennsylvania, Delaware and Maryland Other editions available at www.firstseedtests.com/printmedia.htm

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Additional F.I.R.S.T. Data Available There are four print editions. Each edition contains

F.I.R.S.T. results from a different geography. Visit *www.firstseedtests.com*, click Media and Print Media to download or view all four editions or type *www. firstseedtests.com/printmedia.htm* into your browser.

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Corn Stats: Yield Range: 131.1-181.5 bu. per acre Yield Average: 159.1 bu. per acre Top \$ Per Acre: \$1,363.10

Corn Field Notes: Illinois West Central

Eric Beyers, F.I.R.S.T. Manager

Clayton—Due to its later planting date (May 16), this test escaped the early summer heat during pollination and therefore was able to produce some fair yields. Ear development had good fill to the tips. Green kernel molds were present on harvested grain. Harvested plant heights were 7' to 8' tall. The lodging score reflects stalk-lodged plants that appeared to be damaged from deer or raccoons.

Delavan—Dave Diekhoff, F.I.R.S.T. farmer, had earlier-planted corn surrounding the trials yield 175 bu. per acre. The trials had tremendous yields ranging from 66 bu. per acre to 196 bu. per acre per replication. Some hybrids embraced the heat and drought while others did not. Ears were large, with up to 0.5" kernel depth. Plant heights were 7' to 8' tall. Lodging scores reflect root lodging. Grain quality was fair to good.

Galva—F.I.R.S.T. farmer Al Johnston was extremely happy to realize these good corn yields. The harvested plants displayed about 60% staygreen, which made feeding into the corn head occasionally difficult. Plant heights were 10' to 12' tall. Ear development was super. Most ears were filled to the tips. Both ear girth and grain quality were very impressive. Some green snap occurred earlier in the growing season, probably from a thunderstorm; apart from that, lodging was minimal.

Macomb—loel Lewis, ELR.S.T. farmer, commented that the field planted on April 17 surrounding the tests yielded 175 bu. per acre. He was amazed that the tests planted May 17 were vielding higher. The tests pollinated after the high heat in late June to early July, which probably helped it reach its higher yields. Harvested plants were 7' to 10' tall and exhibited very healthy staygreen. Lewis stated that the field received a pop-up thunder shower during July. Ear development was fantastic! Kernels were complete to ear tips and nearly 0.5" in depth. Higher harvest moistures could have been the result of the Respect and Headline AMP applications combined with recent rains. Lodging scores reflect root lodging.

Virden—Roger Ladage, F.I.R.S.T. farmer, stated, "This year, my cornfields are yielding anywhere from 25 to 225 bu. per acre. My combine yield monitor shows tremendous yield variability across all my fields." His F.I.R.S.T. trials had harvested plant heights of 8' to 10' tall. Its ear development exhibited good kernel sets that averaged around 5" to 6" lengths. In some grain samples, a few 1" to 2" kernel sprouts could be seen. Grain quality was fair to poor. Stalk lodging was due mainly to stalk rot.

Williamsville—Nick Constant, F.I.R.S.T. farmer, commented that most of their crop this year produced between 125 to 140 bu. per acre. Some plants in certain hybrids died early from drought stress. Harvested plant heights averaged 6' to 7' tall. Ear development suffered in some hybrids. The average ear length was 3" to 4". Grain quality was very good. The lodging score reflects root lodging.

Site Information	I. State Sta						20	012 Rain	fall (inch	es)*	
Illinois West Ce	ntral		Monthly Vs. 30-year a								
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylıl	August
Clayton	silty clay loam	conventional	corn, 2+ yr	196	5/16	1.55	1.67	2.06	3.00	-2.18	-0.86
Delavan	silty clay loam	strip-till	soybean	153	5/10	2.29	1.46	0.43	2.35	-3.91	-1.15
Galva	silty clay loam	strip-till	soybean	209	5/10	4.80	2.82	0.86	2.63	-2.98	-1.59
Macomb	silty clay loam	conventional	soybean	188	5/17	4.80	2.82	0.86	2.63	-3.27	-0.88
Virden	silt loam	conventional	soybean	164	4/26	1.53	1.55	0.59	2.78	-3.02	-0.14
Williamsville	silt loam	conventional	soybean	160	4/26	1.69	1.34	0.69	1.58	-3.78	-1.71
				*Rainfal	l estimates	provided by	Telvent.	Grower su	pplied rainf	all data in fiel	d notes.

6 December 2012 Visit www.FirstSeedTests.com for more yield results

F.I.R.S.T. Illinois West Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

LG Saeds LE2SSMT3 VT3 ACPV 110 178.2 242 4 1348 1 178.7 178.2 <th>CARLY-SEASUN</th> <th>N TEST 105-110 Day</th> <th>у СКМ</th> <th></th> <th>10p 30</th> <th>of 63 te</th> <th>ested</th>	CARLY-SEASUN	N TEST 105-110 Day	у СКМ											10p 30	of 63 te	ested
LG Seeds LGSSSYI3Pro VT3P ACPSV 107 177.5 20.0 1 1.353 1 182.0 184.9 164.7 238.2 207.3 18 Great Lakes 59366(VT3 VT3 ACPSV 109 174.2 22.8 1.314 5 1420 118.8 2245 236.6 199.1 17.1 Great Lakes G9366(VT3 VT3 ACPSV 109 174.2 22.9 1.314 5 1420 118.8 2245 236.6 199.1 17.1 LS Sonts LGSSHV173 VT3 ACPSV 109 177.5 23.0 0 1.302 6 162.4 118.8 2245 236.6 199.1 17.1 LS Sonts LGSSHV173 VT3 ACPSV 109 177.5 23.0 0 1.302 6 162.7 112.7 238.8 188.0 11 LS Sonts LGSSHV173 VT3 ACPSV 109 177.5 23.0 0 1.302 7 155.3 152.2 24.6 203.8 18 LS Sonts LGSSHV173 VT3 ACPSV 109 177.5 23.5 1 1.285 10.0 17.2 12.23.8 188.0 11 LS Sonts LGSSHV173 VT3 ACPSV 109 177.5 23.5 1 1.285 10.0 17.4 129.2 24.6 203.8 11 Ls Sonts LGSSFV173 VT3 ACPSV 109 171.5 23.5 1 1.285 10.0 15.7 4 156.9 22.9 207.9 17. Pister 257.458 STX AVC, C2 110 168.6 21.6 1 1.285 10.1 16.7 2 15.6 12.3 18 Wyffels W687.1 VT3 ACPSV 101 168.3 23.5 1 1.285 10.0 15.7 2 15.6 12.3 18 Wyffels W687.1 VT3 ACPSV 101 168.3 24.5 1 1.285 10.0 15.7 2 15.6 12.3 18 Wyffels W687.1 VT3 ACPSV 101 168.3 24.5 1 1.285 10.0 15.7 2 15.6 12.3 18 Wyffels W687.1 VT3 ACPSV 101 168.3 24.5 1 1.286 11.0 14.5 17.6 24.2 20.8 11.0 14.5 17.6 24.2 20.8 11.0 14.5 17.6 24.2 20.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.6 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 209.8 11.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 20.8 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 24.5 10.0 14.5 17.5 12.5 12.0 14.5 17.5 12.5 12.0 14.5 11.5 12.5 12.0 14.5 11.5	Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Clayton	Delavan‡	Galva	Macomb‡	Virden‡	Williamsville
Apriloid AeABAYTS VT3 AACPSV 109 T744 22.8 0 1.316 3 149.9 16.5 238.6 207.3 109.1 T726 22.9 2 1.316 4 16.30 16.5 238.6 202.1 109.1 17.1 22.8 2 1.302 6 142.0 16.5 238.6 202.1 109.1 17.1 22.8 2 1.302 6 142.0 15.2 236.0 110 17.2 22.8 1.300.8 100.7 17.3 22.48 20.14 1.300.8 100.7 17.3 22.48 20.14 1.300.8 100.7 17.3 22.48 20.14 1.300.8 100.7															186.5	99.1
Great Laber 593962V13 VT3 ACPSV 109 T742 22.9 1 1.316 4 163.0 22.8 20.304 5 22.0 1.302 6 162.0 163.8 22.4 12.2 12.304 5 12.2 22.3.0 1.302 6 162.1 12.2 22.3.0 1.302 7 12.3 22.3.0 1.302 7 12.3 22.3.0 1.302 7 13.3 22.7.2 22.3.8 12.2 22.3.0 1.302 7 13.3 22.3.0 22.3.9 22.3.9 20.3.0 11.3 11.3 12.2 22.3.8 12.2 12.2 10.3 17.3.2 22.3.8 22.3.9 22.3.9 22.3.9 22.3.9 22.3.8 12.3.2 10.3 13.3 22.3.9 22.3.8 10.3.2 12.3.2 12.3.2 13.3 12.3.2 13.3.2 12.4.2 13.3.3 13.3.2 12.4.2 13.3.3 13.3.2 13.3.2 13.3.2 13.3.2 <th13.3.3< th=""> 13.3.3 13.3.3</th13.3.3<>															172.6 184.0	115.8 104.5
Great Heart HT-560/Y13P VT3P AC.PSV 109 172.6 22.9 2 1.304 5 142.0 158. 224.6 202.1 98.0 16. Great Likes 6087/Y13PA VT3P AC.PSV 110 172.5 23.0 1.302 6 162.4 157.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.8 299.9 149.5 17.1 223.9 11.300.7 17.3 242.6 203.8 15. Lewis 1309/Y13P VT3P AC.PSV 109 171.9 22.0 1 1.302 7 155.3 152. 224.6 203.8 15. Lewis 1309/Y13P VT3P AC.PSV 109 171.9 22.0 1 1.225 10.1 1.450 165.7 215.5 21.2 201.9 17.5 213.5 11.2 12.5 10.1 1.7 4 169.9 229.9 207.9 17. Pitster 25745S VT3P AC.PSV 109 171.9 23.8 11.2 12.5 10.1 1.450 166.7 215.6 209.8 17.3 12.2 203.6 17. FitsTS/ND F51593/4 VT3P AC.PSV 101 165.5 24.1 1 1.268 14.1 50.5 15.6 242.5 209.8 17.3 12.2 203.6 17. StrintSOM F517 VT3 AC.PSV 101 165.3 24.3 1 1.265 16 143.4 150. 253.2 203.8 17. N176.h G4-H10.8 GT/GB/LL MAR.C2 110 163.3 24.3 1 1.265 16 143.4 151.2 223.2 203.8 17. N176.h G4-H10.8 GT/GB/LL MAR.C2 110 163.2 34.3 1 1.265 16 143.4 151.2 223.2 203.8 17. N176.h G4-H10.8 GT/GB/LL MAR.PV 110 163.2 34.3 1 1.265 16 143.4 151.2 223.2 203.8 17. N176.h G4-H10.8 GT/GB/LL MAR.PV 110 163.2 34.2 1 1.266 17.1 41.5 12.4 207.2 17. Great Lakes G890/T3PO VT3P AC.PSV 101 164.3 203.2 1.226 18 137.5 1158.2 14.2 207.2 17. Great Lakes G890/T3PO VT3P AC.PSV 101 164.3 203.2 1.252 18.1 163.1 165.2 24.9 18. Stept 11004CH2NS STX M.Q.C2 110 164.3 24.2 0 1.254 18 137.5 1158.2 24.5 219.4 16 Stept 11004CH2NS STX M.Q.C2 110 161.9 29.1 1.243 221 163.1 168.2 24.7 198.6 17.9 Stept 11004CH2NS STX M.Q.C2 110 161.8 19.9 1.233 224 141.6 13.0 24.1 12.1 228 C Genetics S984/T3PN VT3P AC.PSV 101 161.9 29.1 1.233 224 141.6 13.0 24.1 12.1 228 C Genetics S984/T3PN VT3P AC.PSV 101 161.9 29.1 1.233 21.4 14.6 163.2 24.7 198.6 17.9 Stept 11004CH2NS STX M.Q.C2 110 163.2 14.2 1.213 20.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163.2 14.2 129.1 163.1 163															179.9	104.5
LGSeetek LGZ549VT3 VT3 ACPSV 109 172.5 23.0 0 1,302 6 182.5 12.7 23.8 198.0 12.7 23.8 198.0 12.7 23.8 198.0 12.7 23.8 19.00 8 100.7 17.2 22.8 21.299 16 10.52 12.8 10 15.3 16.32 22.48 20.4 11.012 7 15.3 16.32 22.48 20.3 18 15.3 16.32 22.45 11.025 11.026 11.0 15.3 16.32 22.16 11.7 15.3 16.32 22.16 12.7 23.8 11.0 15.0 12.16 13.2 13.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 15.0 24.2 10.0 <th10.0< th=""> 10.0</th10.0<>															196.3	105.9
Mpcogen 2V707 STX AVC,C2 110 1719 22.8 4 1,300 8 16.0 7737 22.48 20.40 18 LG Seeds LG2S7V13Po VT3P AC,PSV 101 17.05 22.35 1 1.265 11 165.0 17.03 22.03 87.7 77.7 15.3 165.2 22.12 20.35 17.1 22.03 87.7 77.7 15.3 166.2 22.1 10 15.6 17.03 22.23 20.8 17.1 12.66 18.6 77.4 22.45 20.8 17.1 17.66 18.6 77.7 22.4 18.8 17.7 22.4 18.8 17.7 22.4 18.8 17.7 22.4 18.8 17.7 22.4 18.8 17.7 22.4 18.8 17.7 22.4 18.8 17.4 22.4 18.8 17.8 22.4 18.8 17.8 22.4 18.8 18.0 17.7 22.4 18.8 17.8 22.4<	.G Seeds	LG2549VT3		AC,P5V	109	172.5	23.0			6	162.4	157.1	223.8	198.0	182.8	110.6
Lewis Lewis Lowis Lowis Lowis Lowis Lowis Lowis Lowis Lowis Lowis LogaryouTyp VT3P AC,P9V 109 AC,P9V 107 Box CP LogaryouTyp Lo															167.6	104.7
LGS Seeds LGZ SPUT3Pro VT3P AC,PSV 110 170.5 23.6 1 1.285 10 157.4 110.99 22.99 207.9 17.7 Prister SZ74SS STX ACP22 100 168.6 21.6 2 1.280 17.0 22.03.6 17.2 23.6 11 165.0 14.1 150.0 166.7 24.6.2 20.8 37.4 17.6 16.6 22.5.2 29.83 17.8 Stone S913V13 VT3 AC,PSV 100 163.3 23.3 1 1.265 13 14.50 17.4 22.4 12.83 17.6 11.264 14.3 17.8 22.6 20.0 13.3 13.6 17.4 22.4 14.3 17.6 27.0 10.6 16.3 21.2 12.5 13.3 13.6 16.4 20.0 14.3 17.6 20.0 14.4 17.2 22.7 27.4 24.4 14.3 17.6 21.6 13.5 17.6															182.2	<u>87.2</u> 96.6
Pister 2574SS STX AVC,C2 101 166.0 21.1 165.0 170.3 21.3.2 20.3.6 17.7 StimulsOM FS 595V4 VT3 AC,PSV 110 166.5 21.279 11 165.0 166.2 22.50 193.9 17.0 21.3.2 23.0.6 17.7 Stome S913VT3 AC,PSV 101 168.3 24.3 1 1.2.65 16 14.3 15.0 24.2.5 20.9.3 17.7 ApriGold AbdWYBR VT3P AC,PSV 107 167.3 23.0 1.2.65 15 14.3 17.8 24.4 24.0 18.1 77.8 24.2 21.2.5 19.3 16.6 22.44 20.4 17.8 24.2 21.2.5 19.3 16.6 22.44 20.4 16.6 32.42 20.4 17.8 24.2 20.2.2.5 19.5 16.6 22.4 20.4 17.6 21.2.2 20.2 15.4 16.3 22.1 16.6															173.6	90.0 84.5
Wirfleis Webs/1 VT3 AC,PSV 110 168.5 24.1 1 12.68 14 15.5 15.0 24.2 20.8 21.7 15.8 21.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 21.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 11.6 22.6 12.6 23.6 23.6 23.6 23.6 23.6 23.6 23.6 23.7															175.8	89.7
Shone 5919/T3 VT3 A.C.PV 100 163.2 25.5 2 1.269 13 1.450 166.6 25.0 193.9 183.9 Dyna-Gro D490P88 VT3P A.C.PSV 100 163.3 23.3 0 1.262 17 164.1 128.4 183.6 127.4 28.4 183.6 128.2 193.7 183.2 183.2 183.2 183.2 11.24 193.2 11.8 24.4 207.2 17.5 151.8 214.2 207.2 17.5 151.8 214.2 207.2 17.1 154.7 284.4 207.2 17.1 154.7 254.8 282.4 20.1 12.2 12.1 163.2 22.4 10.1 152.0 254.5 198.2 198.2 198.2 198.4 165.3 22.0 12.3 154.3 146.3 142.2 12.1 12.1 163.4 172.2 22.7 22.4 14.3 143.4 158.3 186.4 172.0 155.3 143.1															180.2	97.5
NuTech 584-410 GTCBLL MUR,C2 110 163.2 24.3 1 12.65 16 14.4 15.81 22.63 20.9 77.37 ApriGold AA649073Pro VT3P AC,PSV 107 166.0 19.9 1 12.66 15 14.34 17.18 22.40 191.8 18.3 17.3 22.6 18 13.7.5 15.1.8 12.4.2 12.2.2 191.8 18.3.2 12.3.2 191.8 21.4.2 22.1.2.2 191.8 21.4.2.2 22.1.2.2 191.8 22.0 12.3.2 11.2.4.9 20.4.1.4.3 22.0.3 1 12.6.3 13.6.5 22.0 12.6.2 14.1 11.6.3 22.4.7 14.1.6 13.9.2 17.7 13.8.2 12.7.7 24.4 11.0.4 14.1 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2 13.0.2 13.7.2	•														179.4	76.0
Dyna-Gro D49/P88 VT3P AC,P5V 109 167.3 23.3 0 1,262 17 161.7 154.7 228.4 183.6 17.1 Wrffels W5787 VT3P AC,P5V 108 165.3 21.0 2 1,266 15 143.4 17.18 224.0 19.8 18 C2 Genetics S2-0064 0,RRAV MM,RAV 108 164.3 24.2 0 1,236 21 156.3 156.5 220.9 194.9 164 Stever 110046ENSS STX M0,C2 110 161.2 23.4 12.44 20 14.15 17.66 21.8 144.6 139.5 22.47 199.6 17.2 22.7 199.6 17.2 22.7 199.6 17.2 22.7 199.6 17.2 22.7 199.6 17.2 22.7 199.6 148.8 18 18 18 18 18 18 18 18 18 18 18 18															186.3 178.1	93.2 103.1
Apricold AAGR/SUTSP VT3P AC,PSV 107 166.0 19.9 1 1.266 18 137.5 15.8 21.4 21.0 21.256 18 137.5 15.8 21.4 20.7 17.7 G2 Genetics 52-008^{-1} 0.000.7 MV/Rels 10.1 164.3 20.3 2 1.256 18 137.5 15.8 21.4 20.4 14.1 165.6 22.0 12.8 24 10.1 162.8 24.4 10.1 15.8 21.2 12.8 24 10.1 15.8 12.0 12.8 24 10.1 15.8 16.6 22.9 12.8 16.6 22.4 17.8 12.0 12.8 15.8 12.8 18.8 17.8 12.0 12.3 12.6 18.8 17.8 17.8 17.8 12.0 12.4 11.1 15.3 17.9 12.0 12.1 12.1 12.1 12.1 12.7 13.3 13.4 15.5 12.2 17.4															175.8	99.4
Wirfels C2 C6 Genetics S2-006^{A} OLRA MOL, PFV 108 164.3 20.3 2 1,252 19 132.1 161.8 22.42 9 132.5 161.8 22.22 9 194.9 164.3 Beck XL 5475AM/K AMKARA AMKAR2 Es 108 163.9 23.2 11.23 22.2 17.68 21.8 17.68 21.8 17.68 21.8 17.68 21.8 17.68 21.8 17.78 22.25 192.6 18.4 16.5 22.1 22.1 22.1 22.1 22.2 22.1 22.2 22.1 22.2 22.1 22.2 23.0 18.8 18.8 18.9 18.8 18.9 18.0 18.8 18.9 18.0 22.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12															181.9	83.2
Pister 2660GT 3000GT AVC,C2 110 164.3 24.2 0 1249 21 155.3 165.6 22.09 19.49 167 Steyer 11004GENSS STX M0,C2 110 162.8 23.4 0 1.249 20 14.1 161.8 22.5 1.260 21.8 1.77 27.04.4 17.27 27.2 1.46.1 165.3 22.7 20.4 17.7 27.0 1.7.7 27.0 1.220 23 134.6 166.3 22.4.7 199.6 17.7 Great Lakes 59840/T3PNO VT3P AC,PSV 107 161.6 19.9 1 2.20 23 130.0 168.0 22.1 163.2 17.4 18.3 16 165.9 18.2 17.20 23 134.8 18.3 16.3 163.2 17.4 18.3 2.4 17.3 2.4 18.4 17.2 18.3 2.4 17.4 18.0 2.1 17.5 17.5 17.5	Vyffels								1,256						177.1	103.7
Beck XL 5475AMX^ AMX,RR2 Es 100 163.9 20.3 1 1248 20 145.1 176.8 21.2 184.4 16 G2 Genetics 5H-1005^ HX,RR2 M0,R,PW 110 162.0 24.2 2 1.218 23 134.6 165.3 22.7.7 20.44 17. Great Lakes 5864/T3PP0 VT3P AC,PSV 107 161.6 19.9 1 2.23 134.6 166.3 22.4.7 18.38.8 16.3 Stone 59244WT3P VT3P AC,PSV 107 161.6 19.9 1 12.33 22 130.0 16.8 21.7 17.8 23.23 17.6 18.38 16.4 15.0 12.0 12.1 29 12.7 138.8 23.8 17.6 19.0 12.4 12.1 29 13.4 155.1 24.2 24.4 14.0 17.9 10.0 10.0 1.0 10.0 22.0 18.0 17.7 13.0															182.6	68.4
Steyer 11004GENSS STX MQ.C2 110 162.8 23.4 0 1.218 24 14 16 139.5 22.5 192.6 18 Great Lakes S844/T3PHO VT3P AC,PSV 108 161.9 21.0 0 1.233 22 130.6 163.2 22.7 190.6 17.7 Great Lakes S844/T3PHO VT3P AC,PSV 107 161.6 19.9 1 2.33 23.6 166.3 22.7.7 20.4 18.88.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 11.6 19.2 12.16 28 13.2 17.8 23.0 18.4 18.5 22.6 18.5 12.00 1.0 12.05 30 14.4 15.0 16.0 18.5 2 17.5 14.02 22.4 19.00 17.0 15.0 17.0 19.0 17.0 15.0 17.0 15.0 17.0 17.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>169.8 167.0</td><td><u>78.5</u> 87.1</td></t<>															169.8 167.0	<u>78.5</u> 87.1
G2 Genetics 5H-1005^ HX,RR2 MQ,R,PIV 110 162.0 24.2 2 12.18 26 136.4 163.2 224.7 190.6 17.7 Great Lakes 5785VT3PRO VT3P AC,PSV 100 161.6 19.9 1 1.233 22 138.0 168.0 221.8 188.8 18.5 Stone 5924GVT3P VT3P AC,PSV 100 160.1 21.4 1.215 28 130.0 168.0 221.8 188.8 18.5 Stone 5924GVT3P VT3P AC,PSV 110 150.6 21.5 4 1.217 135.8 223.7 20.01 19 AgriGold A6473VT3Pro VT3P AC,PSV 110 150.3 23.4 4 1.317 52 22.4 19.4 19.0 12.1 13.0 13.4 15.1 220.2 24.4 19.0 18.1 12.1 13.0 13.4 15.1 22.0 22.4 19.0 18.0 12.0 1.1 15.0 1.1 15.0 1.1 15.0 1.1 15.															181.7	95.8
Great Lakes 5785VT3PRO VT3P AC,PSV 107 161.6 19.9 1 1.230 22 138.0 168.0 21.8 183.8 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>174.4</td><td>56.8</td></th<>															174.4	56.8
Stone 59246VT3P VT3P AC,PSV 109 160.3 20.7 2 1.215 228 123.8 230.9 189.2 17.8 AgríGold A8478VT3Pro VT3P AC,PSV 110 160.1 21.4 1 1.215 23.6 162.8 23.2 17.6 199 AgríGold A8478VT3Pro VT3P AC,PSV 111 159.8 20.6 0 1.216 27 153.2 17.6 199 Pioneer P101BHR CK HX,RR2 MO,C2 110 150.3 22.3 4 1.13 52 12.5 140.2 224.4 194.0 183.0 17.7 ISB (010) = 12.0 1.1 ns 20.6 21.5 14.7 15.0 11.0 150 21.5 14.7 15.0 11.0 15.0 1.332 4 14.337 21.4 19.0 160.3 220.3 223.6 185.5 15.5 15.4 23.0 11.5.0 15.0 14.3 <td></td> <td>179.2</td> <td>67.0</td>															179.2	67.0
FS INVISION FS 60TV4 VT3P AC,P2 110 101 21.4 1 1.216 28 162.8 125.8 223.7 200.1 19 AgriGold A6478Y17bo VT3P AC,P5V 111 159.8 20.6 0 1.216 27 153.8 233.6 185.4 157.6 Pioneer 35K01 GC RR2 CE,C2 106 157.4 18.8 12 1.205 30 134.8 155.1 220.2 183.0 17.6 19.0 Pioneer P1018HR CK HX.RR2 MO.2 110 150.3 22.3 4 1,37 52 12.7 14.0 18 12.0 1.1 ns 21.7 14.0 18.0 21.2 14.1 150.0 12.0 11.1 150.0 10.0 11.0 100.0 22.0 12.0 11.1 ns 21.0 11.1 150.0 11.0 11.0 150.0 10.0 11.0 150.0 11.0 11.0 100.0 22.0 12.2 12.0 13.0 13.0 15.0 11.0 10.0															184.1	74.0
AgriGold AdrRVT3Pro VT3P AC,PSV 111 199.8 20.6 0 1.216 27 153.2 179.5 203.6 185.4 15.5 62 Genetics 5H-309^A HX,RR2 M0,R PIV 109 159.6 21.5 4 1,211 29 127.7 135.8 232.8 171.6 190 Pioneer P1018HR CK HX,RR2 M0,C2 110 150.3 23.2 4 1,137 52 127.5 140.2 224.4 190.0 17.6 111 150.9 21.0 111 158.8 220.6 21.5 141.4 150.2 110.2 111 150.0 12.0 111 188.2 111 190.0 111 150.0 12.0 111 150.0 12.0 111.1 150.0 111 150.0 111 150.0 111 150.0 111 150.0 111 150.0 120.0 111 150.0 120.0 111 150.0 120.0 111 150.0 120.0 111 150.0 120.0 111 150.0 110.0 130.0															175.9	107.7
C2 Denetics SH-309^ HX,R2 M0R,PV 109 159.6 21.5 4 1,211 29 127.7 135.8 232.8 17.1 19.0 Pioneer PIO1BHR CK HX,R2 M0C,2 110 150.3 22.3 4 1,137 52 127.5 140.2 224.4 194.0 17.0 SU0 (10) = 12.0 1.1 ns 20.6 11.1 rs 20.6 21.5 14.1 152.0 21.5 14.7 15.0 10.2 22.6 17.1 17.5 10.2 22.6 10.7 10.0 21.5 14.7 15.0 10.0 22.0 22.5 14.7 15.0 10.0 22.0 22.5 14.7 15.0 10.0 22.0 22.5 17.7 15.0 10.0 22.0 22.3 15.0 10.1 15.0 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1 12.1 10.0 <															158.5	54.3 78.6
Pioneer 35K01 6C RR2 CE,C2 106 157.4 18.8 12 12.05 30 134.8 155.1 220.2 18.0 17.7 Pioneer Pionear 150.0 21.8 2 1.037 52 127.5 140.2 224.4 194.0 18.0 Test Average = 150.0 21.8 2 1.037 52 127.5 140.2 224.4 194.0 18.0 FULL-SEASON TEST 111-114 Day CRM 12.0 1.1 ns 20.6 2.1.5 14.7 15.0 14 FULL-SEASON TEST 111-114 Day CRM 11.0 1.3.47 2.1.9 160.3 220.3 22.1 14.1 152.0 12.0 22.1 22.1 22.2 12.3 22.1 22.1 22.2 12.2 13.3 13.48 167.9 22.1 22.3 22.1 14.1 15.1 14.1 21.0 22.1 22.3 22.1 13.3 13.48 167.9 22.1 22.3 22.1 22.3															190.9	98.8
Test Average = 159.0 21.8 2 1,205 141.4 152.0 219.4 190.1 17.7 LSD (0.10) = 12.0 1.1 ns 20.6 21.5 14.7 15.0 1 FULL-SEASON TEST 111-114 Day CRM Top 30 of 20.6 21.5 14.7 15.0 17.9 00 of Kuger 11407/T3PR0 VT3P AC,P5V 114 181.5 24.4 0 1,347 2 143.1 160.2 222.0 222.4 18.9 221.5 18.9 221.1 220.3 18.5 18.9 221.1 220.3 18.5 18.9 221.1 220.3 18.5 18.9 221.1 220.4 18.5 18.1 14.4 18.0 220.3 212.5 18.3 17.3 18.4 167.9 221.3 222.8 123.4 151.5 14.91 12.0 20.4 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	'ioneer	35K01 GC		CE,C2	106	157.4	18.8	12		30	134.8	155.1	220.2	183.0	174.8	76.5
LSD (0.10) = 12.0 1.1 ns 20.6 21.5 14.7 15.0 1.4 FULL-SEASON TEST 111-114 Day CRM Top 30 of 1 Kruger K-7215 VT3P AC,PSV 114 181.5 24.6 0 1.342 1 152.9 169.3 220.3 225.6 193 Steyer 114/07VT3PR0 VT3P AC,P2 113 177.6 25.1 0 1.332 4 164.5 169.9 225.1 220.3 28.5 199 AgriGold A6533VT3 VT3 AC,PSV 113 177.6 24.4 1 1.305 5 157.5 154.2 233.6 218.5 18 Groplan 6926VT3PR0 VT3P AC,PSV 111 172.6 23.9 0 1.299 6 152.0 147.7 15.0 24.3 19 21.5 24.4 1 1.305 157.5 154.2 23.0 20.7 13 137.2 23.0 0 1.299 6 152.0 147.7 15.0 24.1 141.7 15.0 24.1 <td></td> <td>P1018HR CK</td> <td>HX,RR2</td> <td>MQ,C2</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td>52</td> <td></td> <td></td> <td></td> <td></td> <td>180.0</td> <td>35.6</td>		P1018HR CK	HX,RR2	MQ,C2	110					52					180.0	35.6
FULL-SEASON TEST 111-114 Day CRM Top 30 of Kruger K-7215 VT3P AC,P5V 114 181.5 24.6 0 1,363 1 152.9 169.3 220.3 225.6 193 Steyer 11407VT3PR0 VT3P MQ,C2 114 179.3 24.4 0 1,347 2 149.1 160.2 220.3 223.4 183 Dyna-Gro CX52VP91 VT3P AC,P5V 112 177.2 23.2 2 1,337 3 134.8 167.9 221.3 225.8 193 AgriGold A6533VT3 VT3 AC,P5V 113 177.6 24.4 1 1,305 5 157.5 154.2 233.6 218.5 183 Stone 6404GVT3P VT3P AC,P5V 111 171.1 22.1 2 128.9 9 153.1 141.8 21.5 194.3 199 Dyna-Gro D51VP32 VT3P AC,P5V 111 171.1									1,205						173.7 14.6	77.5 35.1
Kruger K-7215 VT3P AC,P5V 114 181.5 24.6 0 1,363 1 152.9 169.3 220.3 225.6 193 Steyer 11407VT3PR0 VT3P MC,C2 114 179.3 24.4 0 1,347 2 149.1 160.2 222.0 223.4 193 FS InVISION FS 63V4 VT3P AC,P5V 112 177.6 25.1 0 1,332 4 154.5 169.9 25.1 223.3 8 120.3 125.8 193 AgriGold A6533VT3 VT3 AC,P5V 114 172.6 25.1 0 1,294 8 151.5 149.1 215.0 204.3 19 Wrifels Wrigels Wrigels Wrigels Wrigels Mrigels 114 171.2 2.1 2 1,289 9 153.1 141.8 22.1 2 20.7 164.3 39 Wrifels Wrigels Wrifels Wrifels		TEST 111-114 Day	CRM			12.0	1.1	113			20.0	21.5	14.7			
Siteyer 11407VT3PR0 VT3P M0,C2 114 179.3 24.4 0 1,347 2 149.1 160.2 222.0 223.4 193 FS InVISION FS 650V4 VT3P AC,P2 113 177.6 25.1 0 1,337 3 148.5 169.9 221.3 223.8 183 AgriGold A6533VT3 VT3 AC,P5V 113 173.6 24.4 1 1,305 5 157.5 154.2 233.6 218.3 193 Vmfels W6917 VT3P AC,P5V 114 171.9 25.0 0 1,289 9 153.1 141.8 221.5 194.3 193 Vmfels W6917 VT3P AC,P5V 114 171.9 25.0 0 1,289 9 153.1 141.8 221.5 194.3 193 Steper Z21151CM VT3P AC,P5V 114 171.1 25.6 2 1,281 11 136.2 152.7 164.2 120.2 202.7 124.4 13 160.2 152.0 <t< td=""><td></td><td></td><td></td><td></td><td>11/</td><td>1915</td><td>24.6</td><td>0</td><td>1 262</td><td>1</td><td>152.0</td><td>160.2</td><td>220.3</td><td></td><td>193.2</td><td>127.7</td></t<>					11/	1915	24.6	0	1 262	1	152.0	160.2	220.3		193.2	127.7
FS inVISION FS 63SV4 VT3P AC,P2 113 177.6 25.1 0 1,332 4 154.5 169.9 225.1 220.3 18 Dyna-Gro CX52VP91 VT3P AC,P5V 112 177.2 22.2 1,337 3 134.8 167.9 221.3 225.8 18 AgriGold A6533VT3 VT3 AC,P5V 111 177.6 24.4 1 1,337 5 154.2 233.6 218.5 18 Croplan 6926VT3PRO VT3P AC,P5V 111 172.6 25.1 0 1,294 8 151.5 149.1 215.0 204.3 19 Wyffels W6017 VT3P AC,P5V 111 171.1 22.1 2 1.129 13.1 141.8 221.5 143.4 190 Dyna-Gro D51VP32 VT3P AC,P5V 111 171.1 22.1 2 1.281 11 13.5 172.4 230.7 1 1.282 10 13.5 175.0 231.5 212.8 18 160 <td< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>193.8</td><td>127.2</td></td<>	•														193.8	127.2
AgriGold A6533VT3 VT3 AC,P5V 113 173.6 24.4 1 1,305 5 157.5 154.2 233.6 218.5 183. Croplan 6926VT3PRO VT3P AC,P2Z 114 172.6 25.1 0 1,294 8 151.5 149.1 215.0 204.3 19 Stone 6404GVT3P VT3P AC,P5V 111 171.9 25.0 0 1,299 6 152.0 147.9 222.5 213.7 18.8 Stone 6404GVT3P VT3P AC,P5V 111 171.1 25.6 2 1,281 11 141.8 221.5 214.7 152.0 220.7 216.4 193 Great Lakes 6354G3VT3 VT3 AC,P5V 113 170.2 23.7 1 1,281 11 131.5 175.0 231.5 212.8 18 Greptan 6640VT3PRO VT3P AC,P2Z 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 212.6 18 Mycogen </td <td></td> <td>181.7</td> <td>114.1</td>															181.7	114.1
Croplan 6926VT3PR0 VT3P AC,P2Z 114 172.6 25.1 0 1,294 8 151.5 149.1 215.0 20.4.3 19.0 Wyffels W6917 VT3P AC,P5V 111 172.5 23.9 0 1,299 6 152.0 14.7.9 222.5 213.7 18.8 Stone 6404GVT3P VT3P AC,P5V 111 171.1 22.1 2 1,296 7 137.9 172.4 230.2 20.7.7 18.8 Steyer X21151CM VT3P AC,P5V 113 171.1 25.6 2 1,281 12 147.7 152.0 220.7 216.4 19.9 Great Lakes 6354G3VT3 VT3 AC,P5V 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 212.6 18.8 Mycogen 2V715 HXT,RR2 AVC,C2 111 169.2 22.3 2 1,280 13 140.1 156.6 20.6 17.7 Dekalb DKC62-97 GC VT3P <td< td=""><td>)yna-Gro</td><td>CX52VP91</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>194.8</td><td>118.8</td></td<>)yna-Gro	CX52VP91													194.8	118.8
Wyffels W6917 VT3P AC,P5V 111 172.5 23.9 0 1,299 6 152.0 147.9 222.5 213.7 18. Stone 6404GVT3P VT3P AC,P5V 114 171.9 25.0 0 1,289 9 153.1 141.8 221.5 194.3 19 Dyna-Gro D51VP32 VT3P AC,P5V 111 171.1 22.1 2 1,286 7 137.9 172.4 200.2 207.7 18.5 Steyer X21151CM VT3P MQ,C2 114 171.1 25.6 2 1,281 11 136.2 152.7 196.2 212.6 18 Groplan 6640VT3PRO VT3P AC,P2,Z 113 160.2 23.2 1,280 13 140.1 156.6 207.6 205.5 17 Dekalb DKC62-97 GC VT3P AC,P2,Z 112 168.0 24.8 0 1,263 18 128.0 151.2 231.6 21.8 18 Lewis 1215VT3P VT3P AC,P5V	•														182.6	95.3
Stone 6404GVT3P VT3P AC,P5V 114 171.9 25.0 0 1,289 9 153.1 141.8 221.5 194.3 19: Dyna-Gro D51VP32 VT3P AC,P5V 111 171.1 22.1 2 1,286 7 137.9 172.4 230.2 207.7 18 Steyer X21151CM VT3P MQ.C2 114 171.1 22.6 2 1,281 12 147.7 152.0 20.7 216.4 193 Great Lakes 6354G3VT3 VT3 AC,P5V 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 21.6 18 Mycogen 2V715 HXT,R2 AVC,C2 111 169.0 24.1 0 1,271 15 161.3 126.2 225.2 213.7 18 Lewis 1215VT3P VT3P AC,P2 112 168.3 24.8 0 1,263 18 128.1 11.6 197.7 205.7 18 Lewis 1215VT3P VT3P															190.3 184.3	125.5 114.4
Dyna-Gro D51VP32 VT3P AC,P5V 111 171.1 22.1 2 1,296 7 137.9 172.4 230.2 207.7 183 Steyer X21151CM VT3P MQ,C2 114 171.1 25.6 2 1,281 12 147.7 152.0 220.7 216.4 193 Great Lakes 6354G3VT3 VT3 AC,P5V 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 212.6 18 Mycogen 2V715 HXT,RR2 AVC,C2 111 169.2 22.3 2 1,280 13 140.1 156.2 221.6 18 Dekalb DKC62-97 GC VT3P AC,P2 112 169.0 24.1 0 1,271 15 161.3 126.2 225.2 21.6 18 28.0 151.2 231.6 206.5 17 18 128.0 151.2 231.6 206.7 18 128.0 151.1															191.6	129.2
Great Lakes 6354G3VT3 VT3 AC,P5V 113 170.2 23.7 1 1,282 10 131.5 175.0 231.5 212.8 18 Croplan 6640VT3PR0 VT3P AC,P2,Z 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 212.6 18 Mycogen 2V715 HXT,RR2 AVC,C2 111 169.0 24.1 0 1,271 15 161.3 126.2 225.2 213.7 18 Dekalb DKC62-97 GC VT3P AC,P2 112 168.4 26.0 0 1,271 15 161.3 126.2 225.2 231.7 18 Lewis 1215VT3P VT3P AC,P5V 115 168.3 24.8 0 1,263 18 128.0 151.2 231.6 206.7 188 LG Seeds LG2620VT3 VT3 AC,P5V 113 167.1 26.7 13.2 160.8 219.8 210.6 216.8 160 Dyna-Gro D53VP61 VT3P AC,P5V <															189.4	88.8
Croplan 6640VT3PR0 VT3P AC,P2,Z 113 169.7 23.0 1 1,281 11 136.2 152.7 196.2 212.6 184 Mycogen 2V715 HXT,RR2 AVC,C2 111 169.2 22.3 2 1,280 13 140.1 156.6 207.6 206.5 177 Dekalb DKC62-97 GC VT3P AC,P2 112 168.0 24.1 0 1,271 15 161.3 126.2 225.2 213.7 188 Croplan 6265VT3PRO VT3P AC,P2 115 168.4 26.0 0 1,259 19 145.5 135.1 217.7 205.7 188 Lewis 1215VT3P VT3P AC,P5V 115 168.2 23.9 1 1,266 16 145.8 162.6 232.6 216.8 168.1 Dyna-Gro D53VP61 VT3P AC,P5V 111 167.7 21.7 0 1,245 13 214.2 18.8 18.1 211.6 197.5 18.8 Myffels W7057	Steyer			MQ,C2		171.1		2	1,281		147.7				192.9	97.0
Mycogen 2V715 HXT,RR2 AVC,C2 111 169.2 22.3 2 1,280 13 140.1 156.6 207.6 206.5 173 Dekalb DKC62-97 GC VT3P AC,P2 112 169.0 24.1 0 1,271 15 161.3 126.2 225.2 213.7 188 Croplan 6265VT3PRO VT3P AC,P2,Z 112 168.4 26.0 0 1,259 19 145.5 135.1 217.7 205.7 188 Lewis 1215VT3P VT3P AC,P5V 115 168.2 23.9 1 1,266 16 145.8 151.2 231.6 206.7 18 LG Seeds LG2620VT3 VT3 AC,P5V 113 167.9 23.7 0 1,265 17 134.8 158.1 211.6 197.5 18 Dyna-Gro D53VP61 VT3P AC,P5V 113 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT															181.8	88.3
Dekalb DKC62-97 GC VT3P AC,P2 112 169.0 24.1 0 1,271 15 161.3 126.2 225.2 213.7 183 Croplan 6265VT3PRO VT3P AC,P2,Z 112 168.4 26.0 0 1,259 19 145.5 135.1 217.7 205.7 18 Lewis 1215VT3P VT3P AC,P5V 113 168.2 23.9 1 1,266 16 145.8 161.6 232.6 216.8 166 Dyna-Gro D53VP61 VT3P AC,P5V 113 167.9 23.7 0 1,265 17 134.8 158.1 211.6 197.5 18 Wyffels W7057 VT3P AC,P5V 111 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT3P AC,P5V 113 167.7 26.7 3 1,246 23 125.5															184.8	135.8
Croplan 6265VT3PR0 VT3P AC,P2,Z 112 168.4 26.0 0 1,259 19 145.5 135.1 217.7 205.7 180 Lewis 1215VT3P VT3P AC,P5V 115 168.3 24.8 0 1,263 18 128.0 151.2 231.6 206.7 188 LG Seeds LG2620VT3 VT3 AC,P5V 113 167.9 23.7 0 1,265 17 134.8 158.1 211.6 197.5 188 Dyna-Gro D53VP61 VT3P AC,P2 111 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT3P AC,P5V 113 167.7 26.3 0 1,245 23 122.5 158.3 214.2 182 Dairyland DS9111SSX STX AVC,C2 111 166.7 26.3 0 1,245 23 122.5 158.3 214.3 203.0 188 Dairyland DS9111SSX STX <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>179.4</td><td>125.1 98.3</td></td<>															179.4	125.1 98.3
Lewis 1215VT3P VT3P AC,P5V 115 168.3 24.8 0 1,263 18 128.0 151.2 231.6 206.7 183 LG Seeds LG2620VT3 VT3 AC,P5V 113 168.2 23.9 1 1,266 16 145.8 162.6 232.6 216.8 166 Dyna-Gro D53VP61 VT3P AC,P2 113 167.7 23.7 0 1,265 17 134.8 158.1 211.6 197.5 18 Wyffels W7057 VT3P AC,P5V 113 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT3P AC,P5V 113 167.1 26.7 3 1,246 22 146.2 141.8 226.1 214.2 183.7 184 Dairyland DS9111SSX STX AVC,C2 111 166.4 23.4 2 1,255 20 143.9 154.5 208.3 194.8 168.7 188 Viffels															186.3	119.8
Dyna-Gro D53VP61 VT3P AC,P2 113 167.9 23.7 0 1,265 17 134.8 158.1 211.6 197.5 184 Wyffels W7057 VT3P AC,P5V 111 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 177 AgriGold A6573VT3Pro VT3P AC,P5V 113 167.1 26.7 3 1,246 22 146.2 141.8 226.1 214.2 183 FS InVISION FS 64JV4 VT3P AC,P2 111 166.7 26.3 0 1,245 23 122.5 158.3 214.3 203.0 183.7 184 Dairyland DS9111SSX STX AVC,C2 111 166.4 23.4 2 1,245 20 143.9 154.5 208.3 194.8 168 Wyffels W7997 VT3P AC,P5V 113 165.5 23.7 4 1,247 21															189.1	102.9
Wyffels W7057 VT3P AC,P5V 111 167.7 21.7 0 1,272 14 136.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT3P AC,P5V 113 167.1 26.7 3 1,246 22 146.2 141.8 226.1 214.2 183.9 160.8 219.8 204.8 17 AgriGold A6573VT3Pro VT3P AC,P2 114 166.7 26.3 0 1,246 22 146.2 141.8 226.1 214.2 183.9 Dairyland DS9111SSX STX AVC,C2 111 166.4 23.4 2 1,245 23 122.5 158.3 214.3 203.0 183.7 Pfister 2672HR HX,RR2 AC,P2 111 165.5 23.7 4 1,247 21 136.6 132.9 168.5 208.3 194.8 166.7 Wyffels W7997 VT3P AC,P5V 113 165.5 23.7 4 1,247 21 136.6 132.9 168.2 2															168.7	82.5
AgriGoldA6573VT3ProVT3PAC,P5V113167.126.731,24622146.2141.8226.1214.2182FS InVISIONFS 64,V4VT3PAC,P2114166.726.301,24523122.5158.3214.3203.0188DairylandDS9111SSXSTXAVC,C2111166.423.421,24523122.5158.3214.3203.0188Pfister2672HRHX,RR2AC,P2111165.825.241,24324138.9154.5208.3194.8166WyffelsW7997VT3PAC,P5V113165.525.741,24721136.6132.9216.8206.718Great Lakes6455G3VT3VT3AC,P5V114165.525.031,24125120.9159.4214.2199.218Stone6434GVT3PVT3PAC,P5V114164.827.211,22730134.0157.8205.7198.517Lewis1311VT3PVT3PAC,P5V111164.523.721,23926147.3118.4227.5212.717Pfister2674HXTRHXT,RR2AVC,C2111163.022.441,23327119.2141.8221.2198.317FS InVISIONFS 61BX1 RIBSTX-RAC,P2111162.621.82															184.9	120.2
FS InVISION FS 64JV4 VT3P AC,P2 114 166.7 26.3 0 1,245 23 122.5 158.3 214.3 203.0 188.7 Dairyland DS9111SSX STX AVC,C2 111 166.4 23.4 2 1,255 20 143.9 155.4 213.0 183.7 188.7 188.7 Pfister 2672HR HX,RR2 AC,P2 111 165.8 25.2 4 1,243 24 138.9 154.5 208.3 194.8 166.7 188.7 187.7 188.7 187.7 187.7 188.7															171.2 182.9	112.4 91.4
Dairyland DS9111SSX STX AVC,C2 111 166.4 23.4 2 1,255 20 143.9 155.4 213.0 183.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 131.7 13															189.8	112.4
Pfister 2672HR HX,RR2 AC,P2 111 165.8 25.2 4 1,243 24 138.9 154.5 208.3 194.8 166 Wyffels W7997 VT3P AC,P5V 113 165.5 23.7 4 1,247 21 136.6 132.9 216.8 206.7 18 Great Lakes 6455G3VT3 VT3 AC,P5V 114 165.5 25.0 3 1,241 25 120.9 159.4 214.2 199.2 18 Stone 64346VT3P VT3P AC,P5V 114 164.5 23.7 2 1,227 30 134.0 157.8 205.7 198.5 174 Lewis 1311VT3P VT3P AC,P5V 111 164.5 23.7 2 1,239 26 147.3 118.4 227.5 212.7 174 Pister 2674HXTR HXT,RR2 AVC,C2 111 163.0 22.4 4 1,233 27 119.2 141.8 221.2 198.3 174 Fis InVISION FS 61BX1 RIB															188.1	114.0
Great Lakes 6455G3VT3 VT3 AC,P5V 114 165.5 25.0 3 1,241 25 120.9 159.4 214.2 199.2 183 Stone 6434GVT3P VT3P AC,P5V 114 164.8 27.2 1 1,227 30 134.0 157.8 205.7 198.5 174 Lewis 1311VT3P VT3P AC,P5V 111 164.5 23.7 2 1,239 26 147.3 118.4 227.5 212.7 174 Pfister 2674HXTR HXT,RR2 AVC,C2 111 163.0 22.4 4 1,233 27 119.2 141.8 227.5 212.7 174 FS InVISION FS 61BX1 RIB STX-R AC,P2 111 162.6 21.8 2 1,233 28 134.1 149.7 216.8 210.3 167 FS InVISION FS 61BX1 RIB STX-R AC,P2 112 162.1 22.2 0 1,227 29	fister			AC,P2	111	165.8	25.2	4	1,243	24	138.9	154.5	208.3	194.8	169.5	128.7
Stone6434GVT3PVT3PAC,P5V114164.827.211,22730134.0157.8205.7198.5175Lewis1311VT3PVT3PAC,P5V111164.523.721,23926147.3118.4227.5212.7176Pfister2674HXTRHXT,RR2AVC,C2111163.022.441,23327119.2141.8221.2198.3176FS InVISIONFS 61BX1 RIBSTX-RAC,P2111162.621.821,23328134.1149.7216.8210.3166RenkRK880SSTX RIBSTX-RAC,P2112162.122.201,22729147.5143.1203.7200.2175PioneerP1018HR CKHX,RR2MQ,C2110143.622.371,08769100.3125.3211.1198.7184															181.0	119.0
Lewis 1311VT3P VT3P AC,P5V 111 164.5 23.7 2 1,239 26 147.3 118.4 227.5 212.7 174 Pfister 2674HXTR HXT,RR2 AVC,C2 111 163.0 22.4 4 1,233 27 119.2 141.8 221.2 198.3 170 FS InVISION FS 61BX1 RIB STX-R AC,P2 111 162.6 21.8 2 1,233 28 134.1 149.7 216.8 210.3 165 Renk RK880SSTX RIB STX-R AC,P2 112 162.1 22.2 0 1,227 29 147.5 143.1 203.7 200.2 175 Pioneer P1018HR CK HX,RR2 MQ,C2 110 143.6 22.3 7 1,087 69 100.3 125.3 211.1 198.7 184															187.8	111.7
Pfister 2674HXTR HXT,RR2 AVC,C2 111 163.0 22.4 4 1,233 27 119.2 141.8 221.2 198.3 170 FS InVISION FS 61BX1 RIB STX-R AC,P2 111 162.6 21.8 2 1,233 28 134.1 149.7 216.8 210.3 165 Renk RK880SSTX RIB STX-R AC,P2 112 162.1 22.2 0 1,227 29 147.5 143.1 203.7 200.2 175 Pioneer P1018HR CK HX,RR2 MQ,C2 110 143.6 22.3 7 1,087 69 100.3 125.3 211.1 198.7 184															175.0 178.4	<u>117.7</u> 102.8
FS InVISION FS 61BX1 RIB STX-R AC,P2 111 162.6 21.8 2 1,233 28 134.1 149.7 216.8 210.3 167. Renk RK880SSTX RIB STX-R AC,P2 112 162.1 22.2 0 1,227 29 147.5 143.1 203.7 200.2 175 Pioneer P1018HR CK HX,RR2 MQ,C2 110 143.6 22.3 7 1,087 69 100.3 125.3 211.1 198.7 184															170.4	127.4
Pioneer P1018HR CK HX,RR2 MQ,C2 110 143.6 22.3 7 1,087 69 100.3 125.3 211.1 198.7 184	fister	2674HXTR	HX1,RR2	AN0.02									-			
		FS 61BX1 RIB	STX-R	AC,P2		162.6		2	1,233						167.0	97.6
Test Average =	S InVISION Renk	FS 61BX1 RIB RK880SSTX RIB	STX-R STX-R	AC,P2 AC,P2	111 112	162.6 162.1	22.2	0	1,233 1,227	29	147.5	143.1	203.7	200.2	175.1	103.2
LSD (0.10) = 12.1 1.9 5 22.0 25.2 17.3 18.8 10	S InVISION Renk Pioneer	FS 61BX1 RIB RK880SSTX RIB	STX-R STX-R	AC,P2 AC,P2	111 112	162.6 162.1 143.6	22.2 22.3	0 7	1,233 1,227 1,087	29	147.5 100.3	143.1 125.3	203.7 211.1	200.2 198.7	175.1 184.0	

Sponsored by Poncho/VOTiVO from Bayer CropScience 7







Corn Stats: Yield Range: 101.4-179.4 bu. per acre Yield Average: 142.8 bu. per acre Top \$ Per Acre: \$1,359.00

Corn Field Notes: Illinois East Central

Eric Beyers, F.I.R.S.T. Manager

Bethany—The drought severely stressed hybrids. Many plants had lower leaves die prematurely because of July heat. Plants ranged from 4' to 6' tall. Ear development suffered as well. If an ear was produced, 2" to 3" in length was common. Grain size was small and quality was average. Lodging scores reflect root lodging.

Forsyth—Jim Cullison, F.I.R.S.T. farmer, said he missed all the rain showers in late June, all of July and early August. Plant heights were 5' to 6' and lacked leaf canopy; hence, late-season weeds were an issue. Crops pollinated during the heat of early July, so the impact on ear development was brutal. On plants producing ears, 2" to 3" length was common. Plant health was a mixed bag; some hybrids were dead with burnt-up leaf tissue while others were green and alive. Kernel depth was shallow but grain quality was good. Cullison reported that none of his loads were rejected at the local elevator, which tests for aflatoxin. Results were rejected due to variable yields and inconsistent weed control that likely hurt yields.

Rossville—Kevin Weinard, F.I.R.S.T. farmer, stated that small pop-up rain showers somehow landed on this field. The later planting date enabled crops to pollinate outside the high heat. Ear development was fantastic and grain quality was fair to good. The site had uniform stands and lodging was minimal to nonexistent. Plant heights were around 10' tall.

Towanda—On Sept. 30 grain moisture levels were 31.5% and higher, so harvesting was postponed until Oct. 13. Judson Stover, F.I.R.S.T. farmer, said his surrounding field yielded around 160 bu. per acre. This trial's later planting date may have helped pollination escape the early July heat. Stover noted that Towanda received a 3" rain the third week of July that shed about 1" of rain into this field. Plants were 6' to 7' tall—a bit shorter than normal. Ear development was very good with excellent tip fill.

Tuscola—F.I.R.S.T. farmer John Carmack stated that most of his cornfields yielded around 90 to 105 bu. per acre. The trial was root lodged in late June or early July. The lodged plants goose-necked upward and made harvest possible for all hybrids. Plants were shorter than normal at nearly 7' tall. The local elevator found aflatoxin present; therefore, additional grain logistics were necessary to accommodate transfer of this grain quality.

Watseka—Linden Wessels, F.I.R.S.T. farmer. stated that this field received a 1.3" rain in late June that helped pollination, filled kernels to ear tips and carried the crop until the late August rains. Harvested plant heights were very tall at 11' to 13' which put ear placement at the 6'-plus level. Harvesting was difficult due to tough green stalks that jammed the corn head. Lighter sand ridges in this area's fields produced dead hybrid plants, which Wessels says is common. Early test results were rejected due to highly variable yields.

Site Informatio	n						20	012 Rain	fall (inch	es)*	
Illinois East Ce	Illinois East Central									Vs. 30-yea	ar avg.
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylıl	August
Bethany	silt loam	strip-till	soybean	235	4/27	1.71	1.21	1.21	2.79	-3.30	-0.38
Forsyth	silty clay loam	conventional	soybean	189	4/27	1.46	1.41	1.48	2.23	-2.50	-1.54
Rossville	silty clay loam	minimum	soybean	225	5/18	2.52	2.38	2.25	7.53	-2.14	3.47
Towanda	silty clay loam	strip-till	soybean	180	5/10	1.60	1.28	1.81	3.64	-2.33	-0.64
Tuscola	silty clay loam	no-till	soybean	164	5/7	1.23	1.46	1.40	3.66	-3.36	0.40
Watseka	sandy loam	conventional	corn, 2+ yr	175	5/18	3.32	2.27	0.51	3.29	-3.98	-0.16
				*Rainfal	l estimates	provided by	Telvent.	Grower su	pplied rainf	fall data in fiel	d notes.

8 December 2012 Visit www.FirstSeedTests.com for more yield results

F.I.R.S.T. Illinois East Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Bethany‡	Forsyth#	Rossville	Towanda	Tuscola‡	Watseka#‡
Great Lakes Great Lakes	5939G3VT3 5884VT3PR0	VT3 VT3P	AC,P5V AC,P5V	109 108	151.0 144.9	20.8 20.2	1 0	1,148 1,104	1 2	69.2 66.3	75.8 80.7	227.6 225.9	188.4 185.5	118.7 101.7	184.0 190.8
Great Lakes	6087VT3PR0	VT3P	AC,P5V	110	144.1	22.8	2	1,089	3	89.5	88.6	232.8	186.4	67.6	203.4
LG Seeds	LG2575VT3Pro	VT3P	AC,P5V	110	143.5	22.0	0	1,087	5	27.8	70.3	228.0	201.4	116.9	178.6
Pfister	2574SS	STX	AVC,C2	110	143.0	20.9	0	1,087	4	60.8	68.7	222.0	183.7	105.5	167.5
Beck	Beck 5509A3	3000GT	Es	110	142.7	21.6	0	1,082	7	53.8	60.6	230.7	186.2	99.9	181.5
Sun Prairie	SP2640	VT3P	AC,P2	110	142.5	20.4	0	1,085	6	49.4	69.0	237.0	195.2	88.2	231.5
AgriGold	A6408VT3Pro	VT3P	AC,P5V	107	140.3	18.9	1	1,074	8	43.0	85.5	229.1	184.0	105.1	151.4
Stone	6054GVT3P	VT3P	AC,P5V	110	140.1	21.0	1	1,065	10	30.2	64.9	237.7	186.2	106.1	147.8
Croplan FS InVISION	6125VT3 FS 60TV4	VT3 VT3P	AC,P2,Z AC,P2	<u>109</u> 110	139.8 139.3	20.0	1 0	1,066	<u>9</u> 11	71.8 42.4	72.9	219.3 227.5	187.9 190.3	80.3 96.8	173.8 163.1
LG Seeds	LG2555VT3	VT3P VT3	AC,P2 AC,P5V	110	139.5	20.5	8	1,060 1,051	16	42.4 35.0	47.0 60.7	235.3	186.3	90.0 99.9	189.5
Stone	5724GVT3P	VT3P	AC,P5V	107	138.8	19.7	0	1,059	12	55.7	47.5	225.8	186.2	87.5	172.4
FS InVISION	FS 59SV4	VT3P	AC,P2	109	138.8	19.8	Ő	1,059	13	51.7	31.5	217.5	187.5	98.4	215.0
Beck	XL 5475AMX^	AMX,RR2	Es	108	137.8	19.2	4	1,054	14	44.2	54.4	226.2	180.5	100.2	152.5
Wyffels	W5787	VT3P	AC,P5V	108	137.7	19.3	0	1,052	15	42.3	61.5	235.7	190.1	82.6	173.8
LG Seeds	LG5533VT3Pro	VT3P	AC,P5V	107	136.4	19.0	0	1,044	18	50.2	56.3	232.0	181.4	81.8	176.7
Great Heart	HT-950VT3P	VT3P	AC,P5V	109	136.0	19.9	0	1,037	19	42.0	66.3	219.6	187.6	94.9	220.8
FS InVISION	FS 55ZV4	VT3P	AC,P2	105	135.9	17.7	0	1,044	17	39.6	75.5	227.6	191.9	84.5	141.5
AgriGold Kruger	A6458VT3 K4R-9710	VT3 STX-R	AC,P5V AC,P5V	<u>109</u> 110	135.7 135.7	20.3	0	1,034 1,028	20 23	<u>27.5</u> 47.4	46.5	220.2 215.0	<u>194.1</u> 183.3	<u>100.9</u> 97.1	184.1 168.5
Dyna-Gro	CX48VP76	VT3P	AC,P5V AC,P5V	108	135.1	20.0	0	1,028	23	62.7	74.7	213.0	181.2	72.9	142.7
Stone	5924GVT3P	VT3P	AC,P5V	109	134.8	19.2	0	1,000	21	26.5	69.8	231.3	185.4	96.0	212.3
Kruger	K-7810	VT3P	AC,P5V	110	133.8	20.0	Ő	1,020	24	37.7	69.9	234.3	172.6	90.5	157.7
Pfister	2660GT	3000GT	AVC,C2	110	133.7	21.6	0	1,014	26	36.0	55.2	228.5	182.1	88.1	206.3
LG Seeds	LG2549VT3	VT3	AC,P5V	109	133.4	21.3	0	1,013	27	25.0	58.4	221.3	182.3	105.1	164.2
Kruger	K-7306	VT3P	AC,P5V	106	132.6	18.7	0	1,015	25	67.6	62.8	209.4	180.6	72.9	167.8
Stine	9731SS	STX	AC,P2	110	132.2	20.7	0	1,006	28	45.2	37.0	236.3	191.2	56.1	228.8
					132.1	22.3	0	1,000	29	45.9	19.5	238.3	178.1	65.9	148.0
Wyffels	W6871	VT3	AC,P5V	110											170 7
Wyffels Mycogen	2V707	STX	AVĆ,C2	110	130.4	20.2	0	994	30	29.2	48.7	225.7	195.2	71.4	
Wyffels Mycogen Pioneer					130.4 123.1	20.2 21.9	0	994 933		29.2 35.5	48.7 47.0	225.7 217.0	195.2 188.3	71.4 51.4	170.7 170.2 174.9
Wyffels Mycogen <mark>Pioneer Test Average =</mark>	2V707	STX	AVĆ,C2	110	130.4 123.1 129.7	20.2 21.9 20.4	0 18 2	994	30	29.2	48.7 47.0 55.5	225.7	195.2	71.4 51.4 77.1	170.2 1 74. 9
Wyffels Mycogen Pioneer Test Average = LSD (0.10) =	2V707	STX HX,RR2	AVĆ,C2	110	130.4 123.1	20.2 21.9	0	994 933	30	29.2 35.5 40.3	48.7 47.0	225.7 217.0 221.7	195.2 188.3 179.5 19.1	71.4 51.4 77.1 25.6	170.2 174.9 46.5
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON	2V707 P1018HR CK TEST 111-114 Day (STX HX,RR2 CRM	AVC,C2 MQ,C2	110 110	130.4 123.1 129.7 16.8	20.2 21.9 20.4 1.5	0 18 2 ns	994 933 987	30 49	29.2 35.5 40.3 26.1	48.7 47.0 55.5 27.2	225.7 217.0 221.7 14.0	195.2 188.3 179.5 19.1 Top 3	71.4 51.4 77.1 25.6 0 of 81	170.2 174.9 46.5 tested
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold	2V707 P1018HR CK TEST 111-114 Day (A6533VT3	STX HX,RR2 CRM VT3	AVĆ,C2 MQ,C2 AC,P5V	110 110 113	130.4 123.1 129.7 16.8 179.4	20.2 21.9 20.4 1.5 22.0	0 18 2 ns 0	994 933 987 1,359	30 49 1	29.2 35.5 40.3 26.1 90.4	48.7 47.0 55.5 27.2 53.0	225.7 217.0 221.7 14.0 229.0	195.2 188.3 179.5 19.1 Top 3 212.7	71.4 51.4 77.1 25.6 0 of 81 1 129.1	170.2 174.9 46.5 tested 235.8
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION	2V707 P1018HR CK TEST 111-114 Day (STX HX,RR2 CRM	AVĆ,C2 MQ,C2 AC,P5V AC,P2	110 110	130.4 123.1 129.7 16.8	20.2 21.9 20.4 1.5	0 18 2 ns	994 933 987 1,359 1,350	30 49	29.2 35.5 40.3 26.1	48.7 47.0 55.5 27.2	225.7 217.0 221.7 14.0	195.2 188.3 179.5 19.1 Top 3	71.4 51.4 77.1 25.6 0 of 81	170.2 174.9 46.5 tested 235.8 223.7
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4	STX HX,RR2 CRM VT3 VT3P	AVĆ,C2 MQ,C2 AC,P5V	110 110 113 113	130.4 123.1 129.7 16.8 179.4 178.8	20.2 21.9 20.4 1.5 22.0 23.0	0 18 2 ns 0 0	994 933 987 1,359	30 49 1 2	29.2 35.5 40.3 26.1 90.4 89.2	48.7 47.0 55.5 27.2 53.0 88.5	225.7 217.0 221.7 14.0 229.0 240.2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4	170.2 174.9 46.5 tested 235.8 223.7 231.2
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds	2V707 P1018HR CK TEST 111-114 Day A6533VT3 FS 63SV4 6354G3VT3	STX HX,RR2 CRM VT3 VT3P VT3 VT3 VT3 VT3	AVĆ,C2 MQ,C2 AC,P5V AC,P2 AC,P5V	110 110 113 113 113 113	130.4 123.1 129.7 16.8 179.4 178.8 176.9	20.2 21.9 20.4 1.5 22.0 23.0 21.6	0 18 2 ns 0 0 0 0	994 933 987 1,359 1,350 1,342	30 49 1 2 3	29.2 35.5 40.3 26.1 90.4 89.2 79.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9	225.7 217.0 221.7 14.0 229.0 240.2 241.2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0	170.2 174.9 46.5 tested 235.8 223.7 231.2 228.5
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 LG2620VT3 11407VT3PR0 HT-7240VT3Pro	STX HX,RR2 CRM VT3 VT3P VT3 VT3 VT3 VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2 AC,P5V	110 110 113 113 113 113 113 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2	0 18 2 ns 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305	30 49 1 2 3 4 5 6	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5	225.7 217.0 221.7 14.0 229.0 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.2 240.3 240.2 240.3 240.2 2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5	71.4 51.4 77.1 25.6 0 of 81 1 129.1 126.4 117.0 122.5 108.1 134.8	170.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3Pr0 6404GVT3P	STX HX,RR2 CRM VT3 VT3P VT3 VT3 VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5V AC,P5V MQ,C2 AC,P5V AC,P5V	110 110 110 113 113 113 113 113 114 112 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0 171.3	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297	30 49 1 2 3 4 5 6 8	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0	225.7 217.0 221.7 14.0 229.0 240.2 240.2 241.2 230.3 231.0 218.9 242.0	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1	71.4 51.4 77.1 25.6 0 of 81 1 129.1 126.4 117.0 122.5 108.1 134.8 120.2	170.2 174.9 46.5 tested 235.8 223.7 231.2 228.5 237.4 249.9 218.0
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3Pr0 6404GVT3P 6434GVT3P	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 113 114 112 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0 171.3 171.2	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287	30 49 1 2 3 4 5 6 8 9	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9	71.4 51.4 77.1 25.6 0 of 81 1 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6	170.2 174.9 46.5 tested 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3Pr0 6404GVT3P 6434GVT3P 6434GVT3P	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 113 114 112 114 114 112	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 175.8 173.0 171.3 171.2 170.9	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,300	30 49 1 2 3 4 5 6 8 9 7	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2	170.2 174.9 46.5 tested 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 240.8
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3Pr0 6404GVT3P 6434GVT3P CX52VP91 K-7215	STX HX,RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 114 112 114 114 112 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 175.8 175.8 173.0 171.3 171.2 170.9 169.8	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 23.2 22.1 24.4 20.8 23.7	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,342 1,336 1,331 1,305 1,297 1,287 1,300 1,279	30 49 1 2 3 4 5 6 8 9 7 10	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 202.2 219.6 208.5 208.1 202.9 202.2 208.5	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3	170.2 174.9 46.5 tested 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 240.8 198.7
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM	STX HX,RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2	110 110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0 171.3 171.2 170.9 169.8 169.1	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 23.2 22.1 24.4 20.8 23.7 22.7	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,279 1,278	30 49 1 2 3 4 5 6 8 9 7 10 11	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 98.0 67.7 82.1 34.2	225.7 217.0 221.7 14.0 229.0 240.2 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.0	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3	170.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 240.8 198.7 228.6
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Stone Dyna-Gro Kruger Steyer Dekalb	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3Pr0 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0 171.3 171.2 170.9 169.8 169.1 168.7	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,209 1,278 1,278 1,276	30 49 1 2 3 4 5 6 8 8 9 7 10 11 12	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 95.0 97.7 82.1 34.2 44.3	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.0 230.5	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.9 208.5 208.1 202.9 202.2 208.5 202.7 200.3	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 111.8	170.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 240.8 198.7 228.6 237.3
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes Store Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM	STX HX,RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2	110 110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 173.0 171.3 171.2 170.9 169.8 169.1	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 23.2 22.1 24.4 20.8 23.7 22.7	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,279 1,278	30 49 1 2 3 4 5 6 8 9 7 10 11	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 98.0 67.7 82.1 34.2	225.7 217.0 221.7 14.0 229.0 240.2 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.0	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3	170.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 240.8 198.7 228.6 237.3 222.8
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes Steyer Great Heart Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3Pr0 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.3 175.8 175.8 173.0 171.3 171.2 170.9 169.1 168.7 167.0	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,300 1,279 1,276 1,276	30 49 1 2 3 4 5 6 6 8 9 7 7 10 11 11 12 13	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7	225.7 217.0 221.7 14.0 229.0 240.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.0 214.0 230.5 229.2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 208.1 202.2 208.5 202.7 202.7 200.3 199.7	71.4 51.4 77.1 25.6 0 of 81 1 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 111.8 119.7	170.2 174.9 46.5 235.8 223.7 231.2 237.4 240.8 235.4 240.8 198.7 228.6 237.3 222.8 221.3
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6434GVT3P 6434GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 D59414Q 6926VT3PR0	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V MQ,C2 AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 110 113 113 113 113 114 112 114 114 112 114 114 112 111 114	130.4 123.1 129.7 16.8 179.4 178.8 176.8 176.3 175.8 175.8 175.8 175.8 175.8 175.9 169.1 168.7 169.1 168.7 169.1 168.7 165.9 165.9 165.0	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 23.2 23.2 23.2 23.2 23.2	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,278 1,276 1,276 1,272 1,252 1,252 1,246	30 49 1 2 3 4 5 6 6 8 9 7 7 10 11 11 12 13 14	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.0 230.5 232.9 214.0 230.5 229.2 228.4 223.1 233.3	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.7 199.0 186.4 194.4	71.4 51.4 77.1 25.6 0 of 81 129.2 121.6 116.2 139.3 111.8 119.7 114.8 119.7 114.8 119.7 114.8 119.7 114.8 119.7 114.8 106.0 122.8 114.8 119.7 114.8 106.0 122.8 114.8 119.7 114.8 106.0 122.8 114.8 119.7 114.8 106.0 122.8 114.8 119.7 114.2 123.8 106.0 123.8 106.0 124.8 106.0 124.8 106.0 124.8 106.0 124.8 106.0 124.8 106.0 124.8 106.0 106.0 107.8 107.	170.2.2 174.9
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 6640VT3PR0	STX HX,RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,	110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 176.3 175.8 176.3 175.8 176.9 176.3 171.3 171.3 171.2 170.9 169.1 168.7 169.1 168.7 167.0 166.1 166.1 165.0 164.1	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.4 23.7 22.7 22.5 20.4 22.3 23.2 22.9 22.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,300 1,279 1,278 1,276 1,272 1,276 1,272 1,257 1,257 1,257 1,254 1,246	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17	29.2 35.5 40.3 26.1 90.4 89.2 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 48.0	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 95.0 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.0 230.5 229.2 228.1 223.3 233.3 231.2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.7 199.4 194.4 194.5	71.4 51.4 77.1 25.6 0 of 81 129.5 108.1 134.8 120.2 139.3 111.8 119.7 114.2 129.3 111.8 119.7 114.2 129.3 114.2 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 114.2 129.3 121.3 114.2 129.3 121.	170.2.2 174.9 46.5.2 223.7.2 228.5.2 223.7.2 228.5.2 228.5.2 237.4 249.9 228.6.2 235.4.2 240.8.1 224.0.2 227.5.2 228.5.2 2
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan Croplan NK Brand	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6434GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926VT3PR0 6640VT3PR0 N70J-4011	STX HX,RR2 VT3 VT3 VT3 VT3 VT3P VT3P VT3P VT3P VT3	AVC,C2 MQ,C2 AC,P5V AC,P2Z	110 110 113 113 113 114 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 176.9 175.8 173.0 171.3 171.2 170.9 169.1 168.7 169.1 168.7 167.0 166.1 165.9 165.0 164.1 163.9	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 23.2 22.9 22.0 23.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,278 1,276 1,272 1,276 1,272 1,257 1,252 1,243 1,243 1,237	30 49 1 2 3 4 5 6 8 9 9 7 10 11 12 13 14 15 16 17 18	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 228.4 229.2 228.4 223.1 233.3 231.2 231.2 206.2	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.4 194.5 192.1	71.4 51.4 77.1 25.6 0 of 81 129.2 129.3 111.8 119.7 114.2 129.8 108.0 114.2 129.3 111.8 109.0 114.2 129.3 114.2 129.0 104.	170.2.2 174.9 46.5.5 1235.8 1235.8 1235.8 1235.4 1235.4 1235.4 1235.4 1235.4 1235.4 1235.4 198.7 128.6 198.7 128.6 198.7 128.6 198.7 128.5 129.2 128.5 129.2 129
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Dyna-Gro Great Lakes Doyna-Gro Great Lakes Dairyland Croplan Croplan Croplan NK Brand	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926VT3PR0 6640VT3PR0 N70J-4011 W7477	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V	110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 175.8 175.8 173.0 175.8 173.0 175.8 173.0 175.8 175.9 168.7 167.0 166.1 165.9 165.0 164.0 164.0 165.0 164.0 164.0 165.0 164.0 165.0 164.0 165.0 164.0 165.0 164.0 165.0 164.0 165	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.2 22.7 22.5 20.4 22.3 23.2 22.9 22.0 23.0 23.0 23.0 23.0 24.5	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,287 1,276 1,277 1,276 1,276 1,277 1,252 1,246 1,243 1,237 1,217	30 49 1 2 3 4 5 6 6 8 9 7 7 10 11 12 13 14 15 16 17 18 21	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 97.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.4 230.5 229.2 228.4 223.1 233.3 231.2 233.3 231.2 233.3 231.2 233.3 231.2 233.3 231.2 233.3 231.2 233.3 233.2 233.3 233.2 233.3 233.2 233.3 233.2 233.3 233.2 233.3 233.2 233.3 235.2 220.3 235	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 208.1 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 121.3 121.3 123.8 109.0 14.2 15.3 14.2 14.2 14.2 14.2 14.2 15.5 16.0 16.2 17.5	170.2.3 174.9 46.5 235.8 223.7. 231.2 228.8 237.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 228.6 237.5 222.8 221.5 228.6 227.5 228.6 227.5 228.6 227.5 228.6 229.6 228.6 229.6 200.6 200.6 2000
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes Steyer Great Heart Stone Dyna-Gro Great Lakes Dairyland Croplan Croplan Wk Brand Wyffels Croplan	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926VT3PR0 6640VT3PR0 6640VT3PR0	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P2,Z AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z AC,P5V AC,P2,Z	110 110 113 113 113 113 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 176.3 175.8 173.0 171.3 175.8 173.0 171.3 175.8 173.0 175.8 173.0 175.8 175.0 166.1 165.9 165.0 164.1 163.9 162.0 161.4	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 22.9 22.0 23.0 23.0 23.0 23.0 24.5 24.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,287 1,287 1,276 1,277 1,276 1,272 1,257 1,252 1,246 1,243 1,237 1,217 1,215	30 49 1 2 3 3 4 5 6 6 8 9 7 7 10 11 12 13 14 15 16 17 18 21 23	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 85.9 74.0 85.9 74.0 85.9 70.3 89.9 74.0 85.9 74.0 85.9 74.0 85.9 75.0 70.3 85.9 74.0 85.9 75.0 70.3 85.9 75.0 70.2 70.3 70.3 70.3 75.0 75.0 70.3 75.0 75.0 70.3 75.0 70.3 75.0 70.3 75.0 75.0 75.0 70.3 75.0 70.3 75.0 75.0 70.3 75.0 75.0 70.3 75.0 75.0 75.0 70.3 75.0 75.0 75.0 70.3 75.0 75.0 75.0 75.0 70.3 75.0 75.0 75.0 75.0 70.3 75.0 75.0 75.0 75.0 70.3 75.0	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 228.4 223.1 233.3 231.2 206.2 220.3 209.0	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 202.2 208.5 202.2 202.5 202.7 202.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 121.3 111.8 119.7 114.2 123.8 106.0 104.0 114.7 105.0 107.1	170.2.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 249.9 218.0 237.4 249.9 218.0 228.5 221.3 228.5 221.3 228.5 221.3 228.5 221.2 221.6 239.8 240.0
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan Dairyland	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 N70J-4011 W7477 6265VT3PR0 DS9212Q	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P5V	110 110 113 113 113 113 114 112 114 114 112 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.3 175.8 175.0 171.3 175.8 173.0 171.3 175.2 170.9 169.8 169.9 169.8 169.8 169.8 169.9 169.8 169.8 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 164.1 163.9 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 161.4 161.1	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.5 20.4 22.5 20.4 22.3 23.2 22.9 22.0 23.0 23.0 24.5 24.0 19.6	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,207 1,277 1,277 1,252 1,246 1,243 1,243 1,247 1,215 1,230	30 49 1 2 3 4 5 6 6 8 9 7 7 10 11 12 13 14 15 16 17 18 21 23 19	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7 56.7	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.4 240.5 229.2 228.4 223.1 233.3 231.2 206.2 228.4 223.1 233.3 231.2 206.2 220.2 220.2 220.0 224.4	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 202.2 208.5 202.7 202.2 208.5 202.7 202.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0 196.3	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 111.8 119.7 114.2 123.8 106.0 104.0 114.7 105.0 107.1 108.6	170.2.2 174.9 1
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan Croplan NK Brand Wyffels Croplan Dairyland	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 D59414Q 6926VT3PR0 6640VT3PR0 N70J-4011 W7477 6265VT3PR0 DS9212Q W7997	STX HX, RR2 VT3 VT3 VT3P VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V	110 110 110 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 111 114 111 111 111 111 111 111 111 111 112 112 113	130.4 123.1 129.7 16.8 179.4 178.8 176.3 176.3 176.3 175.8 176.3 171.3 171.3 171.9 169.1 168.7 167.0 166.1 165.9 165.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 23.2 23.2 23.0 23.0 23.0 24.0 19.6 22.8	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,279 1,278 1,276 1,277 1,252 1,246 1,243 1,237 1,217 1,215 1,230 1,216	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 21 9 22	29.2 35.5 40.3 26.1 90.4 89.2 79.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 55.7 56.7 58.9	48.7 47.0 55.5 27.2 53.0 88.5 95.0 95.0 95.0 95.0 95.0 97.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9 68.8	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.0 230.5 232.9 214.0 230.5 229.2 228.4 223.1 233.3 231.2 206.2 206.2 200.2 200.2 200.2 224.4 215.5 229.4 224.4 224.4 224.4 225.7 226.2 226.2 226.2 226.2 226.2 226.2 226.2 226.2 226.2 226.2 227.5 227.5 227.5 228.4 208.2 209.0 228.4 216.5 228.4 216.5 228.4 228	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.5 192.1 190.7 205.0 196.3 193.4	71.4 51.4 77.1 25.6 0 of 81 129.2 121.3 111.8 106.0 104.0 114.7 105.0 107.1 108.6 99.7	170.2.2 174.9 174.9 165.5 123.7
Wyffels Mycogen Pioneer Tost Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan Dairyland Wyffels Doiryland Wyffels Dyna-Gro	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 6640VT3PR0 N70J-4011 W7477 6265VT3PR0 DS9212Q	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P5V	110 110 113 113 113 113 114 112 114 114 112 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.3 175.8 175.0 171.3 175.8 173.0 171.3 175.2 170.9 169.8 169.9 169.8 169.8 169.8 169.9 169.8 169.8 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 169.8 169.9 164.1 163.9 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 161.4 161.1	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.5 20.4 22.5 20.4 22.3 23.2 22.9 22.0 23.0 23.0 24.5 24.0 19.6	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,207 1,277 1,277 1,252 1,246 1,272 1,257 1,215 1,217	30 49 1 2 3 4 5 6 6 8 9 7 7 10 11 12 13 14 15 16 17 18 21 23 19	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7 56.7	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4 240.5 232.9 214.4 240.5 229.2 228.4 223.1 233.3 231.2 206.2 228.4 223.1 233.3 231.2 206.2 220.2 220.2 220.0 224.4	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 202.2 208.5 202.7 202.2 208.5 202.7 202.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0 196.3	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 111.8 119.7 114.2 123.8 106.0 104.0 114.7 105.0 107.1 108.6	170.2 174.9 46.5 235.8 223.7 231.2 235.2 237.4 249.9 218.0 235.4 240.8 240.8 221.3 228.6 237.3 228.6 237.3 228.6 237.3 228.6 237.3 228.6 237.3 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 237.4 240.9 228.6 227.5 228.6 227.4 240.9 228.6 228.6 227.4 228.6 229.6 228.6 229.6 228.6 229.6 200.6 200.6 2
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan Dairyland Wyffels Dina-Gro Garst	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 6640VT3PR0 N70J-4011 W7477 6265VT3PR0 DS92120 W7997 D53VP61	STX HX,RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V	110 110 113 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 111 114 111 114 111 114 111 114 111 114 111 114 111 112 112 113 113	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 176.3 175.8 176.3 175.8 175.8 176.9 176.3 171.3 171.3 171.3 171.3 171.3 171.3 175.8 169.1 168.7 166.1 166	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 22.9 22.0 23.0 24.5 24.5 24.0 23.0 24.5 24.0 22.8 21.2	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,279 1,278 1,276 1,279 1,278 1,276 1,272 1,257 1,257 1,257 1,257 1,246 1,243 1,237 1,217 1,215 1,230 1,216 1,218	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 19 22 20	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.5 78.1 48.0 85.1 54.1 45.7 56.7 58.9 56.7	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9 89.9 89.8 104.2	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 220.3 200.2 229.2 229.2 229.2 229.2 229.2 229.2 229.2 229.2 220.3 200.2 229.2 229.2 229.2 220.3 209.2 229.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 229.3 200.2 229.2 220.3 200.2 229.5 229.5 229.5 229.5 229.5 229.5 229.5 220.3 209.0 224.4 215.8	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.3 193.4 213.5	71.4 51.4 77.1 25.6 0 of 81 129.2 121.6 116.2 129.3 111.8 119.7 114.2 108.0 104.0 114.7 105.0 107.1 108.0 104.0 114.7 105.0 107.1 108.6 99.7 100.3	170.2 174.9 46.5 235.8 223.7 231.2 235.2 237.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 224.0 224.0 224.0 224.0 224.0 224.0 224.0 224.0 224.0 224.0 225.8 225.8 225.8 225.8 225.8 225.8 225.8 227.3 222.8 227.3 222.8 227.5 27.5
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan Dairyland	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926VT3PR0 6640VT3PR0 N70J-4011 W7477 6265VT3PR0 D59212Q W7997 D53VP61 83D19-3111	STX HX,RR2 VT3 VT3 VT3 VT3 VT3P VT3P VT3P VT3P VT3	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V AC,P5Z AC,P5V AC,P5Z AC,P5V AC,P5Z AC,P5V AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z AC,P5Z	110 110 113 113 113 114 114 114 114 114 114 114	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 176.9 175.8 175.8 173.0 171.3 171.2 170.9 169.1 168.7 169.1 168.7 166.1 165.9 166.1 165.9 165.0 164.1 163.9 162.0 161.4 161.1 160.3 160.3 160.3 160.3	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 23.2 22.0 23.0 24.5 24.0 23.0 24.5 24.0 19.6 22.8 21.2 23.1	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,278 1,276 1,272 1,276 1,276 1,272 1,243 1,237 1,217 1,215 1,230 1,216 1,218 1,210	30 49 1 2 3 4 5 6 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 19 22 20 24	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7 56.7 56.7 56.7 42.2	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9 89.8 89.8 104.2 87.4	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 228.4 230.5 229.2 228.4 223.1 230.5 229.2 228.4 233.1 231.2 206.2 220.3 209.0 224.5 215.8 215.8 215.8 215.8	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.9 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0 193.4 193.7 205.0 193.4 213.5 189.7	71.4 51.4 77.1 25.6 0 of 81 129.2 129.3 111.8 119.7 114.2 129.3 108.0 104.0 114.7 105.0 107.1 108.0 107.1 108.0 107.1 108.0 107.1 108.0 107.1 100.3 119.2	170.2 174.9 46.5 235.8 223.7 231.2 228.8 237.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 237.5 222.2 249.0 219.6 235.2 221.5 232.2 232.2 244.4
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Kruger Dyna-Gro Great Lakes Dairyland Croplan Croplan KK Brand Wyffels Croplan Dairyland Wyffels Dona-Gro Garst Great Heart Dairyland Wyffels	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3PR0 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926VT3PR0 6640VT3PR0 6640VT3PR0 6640VT3PR0 6640VT3PR0 6640VT3PR0 6640VT3PR0 DS9212Q W7997 DS3VP61 83D19-3111 HT-7167VT3Pr0 DKC61-88 GC FS 62MV4	STX HX,RR2 VT3 VT3P VT3 VT3P VT3P VT3P VT3P VT3P V	AVC,C2 MQ,C2 AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P2Z AC,P5V AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z	110 110 111 113 113 113 113 113 114 112 114 112 114 112 114 114 112 111 112 112 112 112 112 113 113 111 111 111	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.3 175.8 175.8 173.0 171.3 175.8 173.0 171.3 175.8 173.0 171.3 175.9 169.8 159.9 158.9 159	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.2 22.9 22.0 23.0 23.0 24.5 24.0 19.6 22.8 21.2 23.1 25.0 21.3 24.9	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,287 1,287 1,276 1,276 1,276 1,276 1,276 1,277 1,257 1,257 1,257 1,257 1,257 1,217 1,215 1,230 1,216 1,218 1,216 1,218 1,206 1,192	30 49 1 2 3 3 4 5 6 6 8 9 7 7 10 11 12 13 14 15 16 17 18 21 23 19 22 20 24 29 25 30	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 45.7 56.7 58.9 56.7 42.2 40.3 61.5 45.0	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9 68.8 104.2 87.4 75.4	225.7 217.0 221.7 14.0 229.0 240.2 240.2 230.3 231.0 218.9 242.0 214.4 242.0 214.4 240.5 229.2 228.4 223.1 233.3 231.2 206.2 220.3 209.0 224.4 216.5 215.8 215	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 212.7 214.3 202.2 208.5 208.1 202.2 208.5 202.2 208.5 202.7 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0 196.3 193.4 213.5 189.4 213.5 189.7 193.4 213.5 189.4 204.2 197.7 184.4	71.4 51.4 77.1 25.6 0 of 81 129.1 126.4 117.0 122.5 108.1 134.8 120.2 121.6 116.2 139.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.3 121.5 106.0 104.0 104.0 104.0 104.0 105.0 107.1 108.6 99.7 100.3 119.2 108.6 109.7 100.3 119.2 108.6 109.7 108.6 109.7 108.6 109.7 108.6 109.7 108.6 109.7 108.6 109.7 108.6 109.7 108.6 109.7 109.7 109.2 109.7 109.2	170.2.2 174.9 46.5 1235.8 223.7 231.2 228.5 237.4 249.9
Wyffels Mycogen Pioneer Tost Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan Croplan Croplan NK Brand Wyffels Dyna-Gro Garst Croplan Dairyland Wyffels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Garst Sinvels Dyna-Gro Great Heart Dekalb Sinvels Sinvels Sinvels Sinvels Sinvels Croplan Diryland Wyffels Dyna-Gro Garst Great Heart Dekalb Sinvels Croplan Diryland Myfols Croplan Croplan Diryland Myffels Dyna-Gro Garst Great Heart Dekalb Sinvels Croplan Croplan Myfols Croplan Croplan Diryland Wyffels Croplan Diryland Myffels Croplan Diryland Myffels Croplan Diryland Myffels Croplan Diryland Myffels Croplan Croplan Diryland Myffels Croplan Croplan Diryland Myffels Croplan Croplan Croplan Diryland Myffels Croplan Cropla	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6434GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 D59414Q 6926VT3PR0 N70J-4011 W7477 6265VT3PR0 D59212Q W7997 D53VP61 83D19-3111 HT-7167VT3Pr0 DKC61-88 GC FS 62MV4 2A787	STX HX, RR2 VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AVC,C2 MQ,C2 AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P5V AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z AC,P2Z	110 110 113 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 111 112 112 113 113 113 113 111 111 111 112 113 111 111 111 111 111 112 113 111 111 111 112 114	130.4 123.1 129.7 16.8 179.4 178.8 176.3 176.3 176.3 175.8 176.3 171.3 171.3 171.2 169.1 168.7 167.0 166.9 165.0 164.1 165.9 165.0 164.5 165.0 164.5 165.0 164.5 165.0 164.5 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 165.0 155.0 155.9 155.9 155.9 155.9 155.7 155	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.9 22.0 23.0 24.0 23.0 24.5 24.0 24.5 24.0 21.3 21.2 23.1 25.0 21.2 23.1 25.0 21.6 21.9 21.6 21.9 21.9 22.0 23.0 24.9 23.0 21.0 23.0 24.9 23.0 23.0 23.0 24.9 23.0 23.0 23.0 23.0 23.0 23.0 24.0 21.0 21.0 21.0 22.2 23.2 22.1 22.1 22.1 22.2 23.2 22.1 22.1	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,287 1,287 1,276 1,277 1,276 1,276 1,277 1,252 1,246 1,243 1,237 1,217 1,215 1,230 1,216 1,210 1,193 1,206	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 20 24 29 22 20 24 29 25 30 26	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 48.0 85.1 54.1 45.0 56.7 58.9 56.7 42.2 40.3 54.2	48.7 47.0 55.5 27.2 53.0 88.5 96.0 97.0 67.7 82.1 34.2 44.3 45.7 80.2 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 68.8 104.2 87.4 75.4 68.2 71.7	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.0 230.5 229.2 228.4 233.3 231.2 206.2 229.2 228.4 233.3 231.2 206.2 220.3 209.0 224.4 215.8 215.8 218.0 199.2 205.1 209.5 221.5	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 208.5 202.7 200.3 199.7 190.7 205.0 196.3 193.4 213.5 189.7 197.7 204.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 207.2 197.7 184.4 197.3 197.3 197.3 184.4 197.3 197.3 197.3 197.3 197.3 197.3 197.3 197.3 197.7 184.4 197.3 197.3 197.5 184.4 197.3 197.5 184.4 197.3 197.5 184.4 197.3 197.5 184.4 197.3 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 184.5 197.5 197.5 184.5 197.5 197.5 197.5 197.5 184.5 197	71.4 51.4 77.1 25.6 0 of 81 129.2 129.3 111.8 119.7 114.2 129.0 104.0 107.1 108.6 99.7 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 109.2 100.3 107.1 122.4 96.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 122.4 105.6 107.1 107.1 122.4 107.5	170.2.2 174.9 174.9 16.5 10.2 174.9 10.2
Wyffels Mycogen Pioneer Tost Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Dyna-Gro Kruger Steyer Dekalb Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan NK Brand Wyffels Doiryland Wyffels Doiryland Wyffels Doiryland Wyffels Dyna-Gro Garst Great Heart Dekalb FS InVISION Wyfogen Stone	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 N70J-4011 W7477 6265VT3PR0 DS92120 W7997 D53VP61 83D19-3111 HT-7167VT3Pro DKC61-88 GC FS 62MV4 2A787 6314GVT3P	STX HX,RR2 VT3 VT3 VT3 VT3 VT3P VT3P VT3P VT3P VT3	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V	110 110 110 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 115 112 113 113 113 113 111 111 112 113 113 111 111 112	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 175.8 175.8 175.8 171.2 170.9 169.1 168.7 166.1 166.1 165.9 166.1 165.9 166.1 165.9 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 165.9 155.9 155.9 158.9 158.7 158.4	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.4 23.2 22.7 22.5 20.4 22.3 23.0 24.5 24.9 22.0 23.0 24.5 24.0 19.6 22.8 21.2 23.1 25.0 21.2 23.1 25.0 21.3 24.9 23.0 23.0 23.0 23.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,359 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,279 1,278 1,276 1,279 1,278 1,276 1,272 1,257 1,257 1,257 1,257 1,257 1,257 1,257 1,257 1,215 1,246 1,243 1,237 1,217 1,215 1,216 1,218 1,210 1,193 1,206 1,198 1,196	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 19 22 20 24 29 25 30 26 28	29.2 35.5 40.3 26.1 90.4 89.2 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7 56.7 56.7 58.9 56.7 42.2 40.3 61.5 45.0 54.2 53.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 80.9 80.9 74.0 86.8 59.4 43.6 80.9 80.9 80.9 74.0 86.8 59.4 43.6 80.9	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 220.3 200.0 221.2 200.2 200.2 220.3 200.0 224.1 230.5 231.0 230.5 229.2 229.2 220.3 200.0 224.1 230.5 231.2 205.2 220.3 209.0 224.1 230.5 214.0 230.5 231.2 206.2 220.3 209.0 224.4 215.8 218.0 199.2 205.1 205	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 180.4 194.4 194.5 192.1 190.7 205.0 193.4 213.5 189.7 204.2 197.7 189.7 204.2 197.7 189.7 204.2 197.7 189.7 204.2 197.7 189.4 197.3 195.4	71.4 51.4 77.1 25.6 0 of 81 129.2 121.6 116.2 139.3 111.8 119.7 114.2 108.0 104.0 114.7 105.0 107.1 108.6 99.7 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 100.2 100.3 119.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.2 100.3 100.3 100.2 100.5	170.2 174.9 46.5 235.8 223.7 231.2 228.5 237.4 249.9 218.0 235.4 249.9 218.0 235.4 240.8 228.5 237.4 249.9 218.0 238.5 228.5 237.4 249.9 215.3 222.8 224.0 219.6 235.9 215.3 232.2 244.4 223.3 232.2 244.4 223.3 232.4 215.5 233.4 223.7 216.6
Wyffels Mycogen Pioneer Tost Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Dyna-Gro Great Lakes Dona-Gro Great Lakes Dairyland Croplan Croplan NK Brand Wyffels Croplan Dairyland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Wyffels Diaryland Stone Garst Great Heart Dekalb FS InVISION Mycogen Stone Wyffels	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3Pr0 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS9414Q 6926UT3PR0 6640VT3PR0 6640VT3PR0 059212Q W7997 D53VP61 83D19-3111 HT-7167VT3Pr0 DKC61-88 GC FS 62MV4 2A787 6314GVT3P	STX HX,RR2 VT3 VT3 VT3 VT3 VT3P VT3P VT3P VT3P VT3	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V	110 110 111 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 111 112 112 113 113 113 111 112 113 111 112 113 111 112 111 112 111 112 111 112 111 112 111	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 176.9 176.9 176.9 176.9 176.9 177.3 171.2 170.9 169.1 168.7 166.1 166.1 166.1 165.9 166.1 165.9 166.1 165.9 166.1 165.9 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 165.9 158.9 158.4 158.4 156.8	20.2 21.9 20.4 1.5 22.0 23.0 21.0 21.9 22.2 23.2 22.1 24.4 20.8 23.7 22.7 22.5 20.4 22.3 23.7 22.7 22.5 20.4 22.3 23.0 24.5 24.0 19.6 22.8 22.0 23.0 24.5 24.0 19.6 22.8 21.2 23.1 25.0 21.3 24.9 23.0 23.0 23.0 23.0 23.0 23.0 23.0 23.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,350 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,279 1,278 1,276 1,272 1,276 1,272 1,276 1,272 1,276 1,272 1,246 1,243 1,237 1,217 1,215 1,237 1,217 1,216 1,218 1,210 1,193 1,206 1,192 1,198 1,196 1,196	30 49 1 2 3 4 5 6 8 8 9 9 7 7 10 11 12 13 14 15 16 17 18 21 23 19 9 22 20 24 29 25 30 0 26 28 27	29.2 35.5 40.3 26.1 90.4 89.2 79.1 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.5 78.2 54.1 45.7 55.7 42.2 40.3 61.5 53.1 50.5 53.1 50.5 53.1 50.5 53.1 50.5 55.7 5	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 68.8 104.2 87.4 75.4 66.9 48.2 71.7 80.4 89.8	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 228.4 230.5 229.2 228.4 230.5 229.2 228.4 233.3 231.2 206.2 220.3 209.0 224.4 230.5 220.3 209.0 224.5 215.8 215	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 186.4 194.4 194.5 192.1 190.7 205.0 193.4 193.7 204.2 197.7 184.4 197.7 204.2 197.7 184.4 195	71.4 51.4 77.1 25.6 0 of 81 129.2 121.6 110.2 129.3 111.8 119.7 114.2 129.3 111.8 100.0 104.0 114.7 105.0 107.1 108.8 107.1 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.5 100.3 119.2 100.5 100.3 119.2 100.5 100.	170.2 174.9 46.5 125.8 223.7 231.2 235.8 223.7 231.2 223.7 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 218.0 235.4 249.9 221.6 235.8 223.7 224.0 225.0 225.2 225.2 225.2 225.2 225.2 224.0 224.0 225.0 225.2 225.2 225.2 225.2 225.2 225.2 225.2 225.2 224.0 225.9 225.2 223.2 223.2 223.2 223.2 223.7 223.2 223.7 237.7 223
Wyffels Mycogen Pioneer Test Average = LSD (0.10) = FULL-SEASON AgriGold FS InVISION Great Lakes LG Seeds Steyer Great Heart Stone Stone Dyna-Gro Great Lakes Dairyland Croplan NK Brand Wyffels Croplan Dairyland Wyffels Croplan Dairyland Wyffels Croplan Dairyland Wyffels Croplan Dairyland Wyffels Croplan Dairyland Wyffels Croplan Dairyland Wyffels Croplan Dairyland Myffels Dyna-Gro Garst Great Heart	2V707 P1018HR CK TEST 111-114 Day (A6533VT3 FS 63SV4 6354G3VT3 LG2620VT3 11407VT3PR0 HT-7240VT3PR0 HT-7240VT3P 6404GVT3P 6404GVT3P 6404GVT3P CX52VP91 K-7215 X21151CM DKC62-97 GC D51VP32 6455G3VT3 DS94140 6926VT3PR0 N70J-4011 W7477 6265VT3PR0 DS92120 W7997 D53VP61 83D19-3111 HT-7167VT3Pro DKC61-88 GC FS 62MV4 2A787 6314GVT3P	STX HX,RR2 VT3 VT3 VT3 VT3 VT3P VT3P VT3P VT3P VT3	AVC,C2 MQ,C2 AC,P5V AC,P2 AC,P5V	110 110 110 113 113 113 113 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 115 112 113 113 113 113 111 111 112 113 113 111 111 112	130.4 123.1 129.7 16.8 179.4 178.8 176.9 176.9 176.9 176.9 175.8 175.8 175.8 171.2 170.9 169.1 168.7 166.1 166.1 165.9 166.1 165.9 166.1 165.9 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 162.0 164.1 163.9 165.9 155.9 158.9 158.7 158.4	20.2 21.9 20.4 1.5 22.0 23.0 21.6 21.9 22.2 23.2 22.1 24.4 20.4 23.2 22.7 22.5 20.4 22.3 23.0 24.5 24.9 22.0 23.0 24.5 24.0 19.6 22.8 21.2 23.1 25.0 21.2 23.1 25.0 21.3 24.9 23.0 23.0 23.0 23.0	0 18 2 ns 0 0 0 0 0 0 0 0 0 0 0 0 0	994 933 987 1,359 1,359 1,342 1,336 1,331 1,305 1,297 1,287 1,207 1,279 1,278 1,276 1,279 1,278 1,276 1,272 1,257 1,257 1,257 1,257 1,257 1,257 1,257 1,257 1,215 1,246 1,243 1,237 1,217 1,215 1,216 1,218 1,210 1,193 1,206 1,198 1,196	30 49 1 2 3 4 5 6 8 8 9 9 7 10 11 12 13 14 15 16 17 18 21 23 19 22 20 24 29 25 30 26 28	29.2 35.5 40.3 26.1 90.4 89.2 97.9 82.9 53.1 68.3 81.8 54.6 69.4 78.9 63.7 63.8 67.5 78.1 67.1 48.0 85.1 54.1 45.7 56.7 56.7 58.9 56.7 42.2 40.3 61.5 45.0 54.2 53.1	48.7 47.0 55.5 27.2 53.0 88.5 62.9 107.1 87.7 68.5 95.0 98.0 98.0 67.7 82.1 34.2 44.3 45.7 80.2 70.3 89.9 74.0 86.8 59.4 43.6 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 89.9 74.0 86.8 59.4 43.6 80.9 80.9 74.0 86.8 59.4 43.6 80.9 80.9 80.9 74.0 86.8 59.4 43.6 80.9	225.7 217.0 221.7 14.0 229.0 240.2 241.2 230.3 231.0 218.9 242.0 214.4 240.5 229.2 220.3 200.0 221.2 200.2 200.2 220.3 200.0 224.1 230.5 231.0 230.5 229.2 229.2 220.3 200.0 224.1 230.5 231.2 205.2 220.3 209.0 224.1 230.5 214.0 230.5 231.2 206.2 220.3 209.0 224.4 215.8 218.0 199.2 205.1 205	195.2 188.3 179.5 19.1 Top 3 212.7 214.3 216.1 202.2 219.6 208.5 208.1 202.9 202.2 208.5 202.7 200.3 199.7 199.0 180.4 194.4 194.5 192.1 190.7 205.0 193.4 213.5 189.7 204.2 197.7 189.7 204.2 197.7 189.7 204.2 197.7 189.7 204.2 197.7 189.4 197.3 195.4	71.4 51.4 77.1 25.6 0 of 81 129.2 121.6 116.2 139.3 111.8 119.7 114.2 108.0 104.0 114.7 105.0 107.1 108.6 99.7 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 119.2 100.3 100.2 100.3 119.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.3 100.2 100.2 100.3 100.3 100.2 100.5	170.2 174.9 46.5

LSD (0.10) = 14.3 1.3 ns 25.4 26.6 16.8 15.7 22.3 24. ‡ = 2 replications, early-season test, Watseka full-season test; # = rejected results, not included in summary, Watseca early-season test

Sponsored by Poncho/VOTiVO from Bayer CropScience 9

PONCHO[®]/VOTiVO[®] CORN AND SOYBEAN Q&A

WHAT IS PONCHO/VOTiVO SEED TREATMENT?

Poncho[®]/VOTiVO[®] is a seed-applied product that protects young plants from pests and nematodes before they can strike. It has a systemic agent that is absorbed into new roots immediately and a unique biological component that creates a living barrier of protection for corn, soybean and cotton plants.

I'VE USED PONCHO ON MY CORN – HOW DOES IT PERFORM ON SOYBEANS?

Poncho/VOTiVO brings to soybeans the trusted and reliable insect control of Poncho. The formulation delivers the rate of Poncho required to control many important early-season insect pests, such as aphids, bean leaf beetles, grape colaspis, seed corn maggots, wireworms and others. Poncho is now available for soybeans in combination with VOTiVO.

HOW DOES PONCHO/VOTIVO PROTECT PLANTS AGAINST NEMATODES?

Millions of spores of the bacteria in Poncho/VOTiVO are applied directly to every seed. Once the seed is planted and the environment is favorable for seed germination, the bacteria also germinate and begin to grow and multiply exponentially. The bacteria continue to grow with the plant's roots, protecting them from nematode damage during the critical stage of plant establishment.

These bacteria compete with nematodes for space and food resources by forming a protective barrier around the young root in the rhizosphere (root zone) of the soil. The bacteria use root exudates, a food source for nematodes that also attracts the pest to plant roots. Fewer nematodes therefore reach the root surface and some even die from lack of nutrients. Poncho/VOTiVO does not directly kill nematodes, but it renders many of them ineffective.

ARE NEMATODES A PROBLEM IN CORN?

Nematodes can cause 30 percent crop losses in corn without exhibiting any above-ground symptoms. There are several species of plantpathogenic nematodes that can be found in corn, including needle, root-lesion, lance, dagger, stubby root, sting, spiral, root-knot and stunt. Depending on type and severity of infestation, nematodes can cause stunting, chlorosis, root decay and other damage.

I PLANT SOYBEAN CYST NEMATODE-RESISTANT SOYBEAN VARIETIES. DOESN'T THAT OFFER ADEQUATE NEMATODE PROTECTION?

Resistance has been bred into many soybean varieties, but no SCNresistant variety offers total protection against this pest, which causes an estimated \$1.5 billion in crop losses annually. Some lines of SCNresistant varieties have shown a slow decline in effectiveness due to SCN population shifts among its 16 distinct races. Depending on geographic location, soybean growers may also have infestations of root-knot and/or reniform nematodes.

DOES PONCHO/VOTiVO PROVIDE ANY DISEASE PROTECTION?

Poncho/VOTiVO decreases the nematode and insect damage to roots that can lead to disease. Nematodes feed by piercing root tissue with their sharp mouth parts called stylets. The ensuing punctures serve as points of entry for several significant plant pathogens that cause seedling diseases. Soil insect feeding also damages young root tissue causing openings that other soilborne pests use as a means to establish infections.

WHAT YIELD BENEFITS DOES PONCHO/VOTiVO PROVIDE?

In a four-year span of 600+ corn field trials, Poncho/VOTiVO delivered an average of 6 to 8 bu/a over the 250 rate of Poncho. Even higher yields were seen in areas that have economically significant nematode populations. In more than 200 head-to-head soybean trials conducted over the past two years, Poncho/VOTiVO produced a consistent average of 1 to 2.5 bu/a more than the current Bayer CropScience premium seed treatment, Trilex[®] 2000 + Gaucho[®], which in turn averages 4 to 6 bu/a more when tested against untreated checks in stressful environments.

BEYOND YIELD, WHAT ARE THE BENEFITS OF USING PONCHO/VOTiVO?

Poncho/VOTiVO protects young plants from pests during critical early development stages, preventing irreversible damage before it happens. It increases root development, resulting in more vigorous plants. A larger root system often results in enhanced water and nutrient uptake, which leads to stronger stands and healthier plant establishment.

IS IT EFFECTIVE TO COMBINE A TRADITIONAL CHEMICAL WITH A BIOLOGICAL COMPONENT?

Combining a chemical and a biological component leads to the pairing of different modes of action for different types of pests into a simple-to-apply single formulation. It is a challenging task to pair a traditional seed treatment with a biological product, but Bayer CropScience has crafted a formulation that is stable in the container and on the seed from application time through planting.

Bayer CropScience LP, 2 TW Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer (reg'd), the Bayer Cross (reg'd), Gaucho,[®] On Demand,[™] Poncho,[®] Trilex,[®] VOTiVO,[®] and Yield Shield[®] are trademarks of Bayer. Gaucho, Poncho, Poncho/VOTiVO, Trilex 2000, VOTiVO, and Yield Shield are not registered in all states. For additional product information, call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our Web site at www.BayerCropScience.us. CR0912PONVOTA025V00R0

IS PONCHO/VOTiVO SAFE FOR THE SEED, INCLUDING CARRYOVER CORN SEED?

The germination of seed treated with Poncho/VOTiVO has been evaluated in the field and in the laboratory using industry-standard germination tests. These studies have shown Poncho/VOTiVO has no negative impact on germination speed or counts. Storability tests have shown no concerns when carrying over seed treated the previous year with Poncho/VOTiVO.

IS ANY SPECIAL EQUIPMENT NEEDED TO APPLY PONCHO/VOTiVO TO THE SEED?

No special equipment is needed to apply Poncho/VOTiVO to the seed. It can be applied using the same commercial seed-treatment equipment used to apply other leading seed treatments offered by Bayer CropScience (such as the On Demand[™] system) or with standard soybean seed treatment equipment that has been certified by your Bayer CropScience representative. It is not for use in hopper box, planter box, slurry box or other on-farm applications.

BECAUSE PONCHO/VOTIVO CONTAINS A LIVING MICROORGANISM, ARE THERE ANY SPECIAL REQUIREMENTS FOR STORING THE PRODUCT OR TREATED SEED?

For best results, Poncho/VOTiVO must be stored between 32°F and 86°F. Ideally, long-term product storage should have temperaturecontrolled conditions; areas typically used for long-term seed storage may also provide favorable conditions for product storage. Transportation through hot conditions will not affect the viability of Poncho/VOTiVO unless at higher temperatures for continuous periods of time. Once the product is on the seed, store treated seed at a standard temperature and humidity to assure seed viability.

DO THE BACTERIA IN PONCHO/VOTIVO CARRY OVER IN THE SOIL FROM YEAR TO YEAR?

While the bacteria are able to live and grow in the soil, bacteria are not able to survive on dead plant tissue for very long. Therefore, an acre of treated seed will not result in a sustained population of bacteria from one season to the next.



WILL PONCHO/VOTIVO BE EFFECTIVE IN ALL SOIL TYPES AND IN ENVIRONMENTS WITH VARIOUS TEMPERATURES AND MOISTURE CONTENTS?

Poncho/VOTiVO has been shown to provide benefits on multiple seed types, including soybean, corn and cotton. Yield benefits have been seen across a wide range of environments that includes all different types of soil. Moisture is needed to induce the spore of Poncho/VOTiVO to germinate. If there is enough moisture for a corn or soybean seed to germinate and grow, then there is adequate moisture for the bacteria to begin to multiply. The bacteria of Poncho/VOTiVO can grow across a wide temperature range. As long as the seed is able to germinate and grow in the environment, Poncho/VOTiVO will be effective.

HOW LONG DOES THE PROTECTION LAST?

Poncho/VOTiVO provides protection through the critical time of plant development that includes seed germination, seedling emergence and the establishment of the plant's production potential. Research shows the VOTiVO bacteria on the roots and in the rhizosphere 60+ days following seed germination. Unlike traditional nematicides, which begin to break down immediately, Poncho/VOTiVO keeps deterring nematodes from attacking the plant's root system through the first two generations of nematodes.

IS PONCHO/VOTIVO COMPATIBLE WITH SEED-APPLIED INOCULANTS?

Yes. Poncho/VOTiVO has been tested by Bayer CropScience and was found to have compatibility similar to other commercial soybean seed treatments. Testing is continuing by several manufacturers.

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









Corn Stats: Yield Range: 76.9-137.2 bu. per acre Yield Average: 107.8 bu. per acre Top \$ Per Acre: \$1,051.60

Corn Field Notes: Illinois South

Eric Beyers, F.I.R.S.T. Manager

Belleville—John Barttelbort and his dad, Don, F.I.R.S.T. farmers, visited with me about the complexity of having aflatoxin on this year's grain. Local feedlots, which can use the grain, already have enough, so they were still trying to find a place for the infected grain. Despite this, they were happy with their 160-bu.-per-acre average. Plants were 6' to 8' tall. Some reduced stands were caused from excessively dry soil at planting and it did not rain for weeks afterwards.

Du Quoin—Contrary to the instructions of F.I.R.S.T. farmer Don Polczynski, a custom harvester harvested the trials here along with the surrounding field. Polczynski and his son Matt, were very upset that this happened. Matt stated that this custom harvester just combined his last on their farm, as he plans to invest in his own combine soon. The trials and the field around the trial yielded an average of 10 bu. per acre. We planned to harvest these trials since some hybrids did show yield potential.

Flora—Kent Warren, F.I.R.S.T.

farmer, thought high temperatures negatively affected pollination and kernel fill. His surrounding field averaged 40 bu. per acre. His other fields were not as fortunate; some only averaged 3 to 10 bu. per acre. Harvested trials had plants 7' to 9' tall. Plant health among hybrids was very random. Some were dead long before harvest while others were still quite green. Ear development was equally random. Teaweed was abundant due to lack of crop canopy. Harvested grain size was small to tiny.

Salem—This site was severely drought-stricken. Upon closer observation, it was rare to find any kernel development in either the early- or full-season trials. It was difficult to even locate a decent cob. Maybe 1 in 20 plants might have had a 4" to 5" barren cob, but most had cobs 1" to 2" long, if anything. Plants were 4' tall. This site also received a hailstorm in the last three weeks.

Shumway—David Soltwedl, F.I.R.S.T. farmer, stated that his cornfields averaged anywhere from 3 to 15 bu. per acre. The high heat duration of late June through early July negatively affected pollination. Harvested plant heights were 3' to 4' tall. Lodging scores reflect root lodging.

Vandalia—Ronnie Sloan, F.I.R.S.T. farmer, said the field surrounding the trials averaged 30 bu. per acre, but just 1/4 mile east another field of his averaged 148 bu. per acre. The severe drought stress took its toll, as plants ranged from 4' to 6' tall. Lodging scores reflect root lodging. Data here was rejected due to high variability in grain yield and moisture. Grain yield was too low to obtain accurate moisture readings.



The contents of the 250-bushel grain wagon reflect the entire trial of 4.8 acres at Shumway.

Site Information									2012 Rainfall (inches)*							
Illinois South							Mon	thly		Vs. 30-yea	ar avg.					
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylul	August					
Belleville	silt loam	minimum	soybean	160	5/15	1.05	1.28	0.58	3.19	-3.47	-0.11					
Du Quoin	clay loam	no-till	soybean	173	5/3	1.44	0.74	1.70	2.52	-2.16	-0.62					
Flora	silty clay loam	conventional	soybean	195	5/12	2.34	0.33	0.87	3.20	-3.24	0.06					
Salem	silty clay loam	conventional	soybean	160	5/14	2.32	0.83	1.27	2.54	-2.75	-0.85					
Shumway	silt loam	conventional	soybean	184	4/28	2.10	0.99	1.21	4.90	-2.75	2.20					
Vandalia	silty clay loam	conventional	soybean	196	5/11	3.21	1.02	0.39	6.20	-3.21 all data in fiel	3.00					

12 December 2012 Visit www.FirstSeedTests.com for more yield results

F.I.R.S.T. Illinois South Corn Results



Top 30 of 66 tested

EARLY-SEASON TEST 107-112 Day CRM

any/ 1	T ct/	Technology	ment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	ville	niot		-	Shumway#	alia#
Company/ Brand	Product/ Brand	Techn	Seed Treatment	Relativ	Yield	Moist	Lodgi	Gross (\$/A)	Gross Incorr	Belleville	Du Quoin	Flora	Salem	Shum	Vandalia#
Croplan Dyna-Gro	6640VT3PR0 CX52VP91	VT3P VT3P	AC,P2,Z AC,P5V	113 112	137.2 133.8	18.4 17.2	0 0	1,052 1,030	1 2	222.8 210.1		51.5 57.5		3.9 0.0	29 41
NuTech	5B-410	GT/CB/LL	MQ,R,C2	110	125.8	18.1	0	965	3	190.8	-	60.8		0.0	13
Pfister	2660GT	3000GT	AVC,C2	110	124.0	18.3	0	951	4	190.0	-	57.9		0.0	9
Dairyland	DS9212Q	HXT,RR2	AVC,C2	112	121.8	17.2	28	937	5	185.8		57.8		12.3	32
Pfister Pfister	2672HR 2674HXTR	HX,RR2 HXT.RR2	AC,P2 AVC,C2	<u>111</u> 111	121.4 121.2	17.8 17.0	6 28	932 933	7	196.2 190.3	-	<u>46.6</u> 52.1		<u>6.1</u> 3.6	37
stone	6054GVT3P	VT3P	AC,P5V	110	119.8	16.6	6	924	8	182.4		57.1		20.0	21
airyland	DS9111SSX	STX	AVC,C2	111	119.1	18.7	8	912	10	181.4	-	56.8		0.0	39
teyer	11203-3000GT	3000GT	MQ,C2	112	118.9	17.7	0	913	9	180.8		57.0		0.0	1(
S Invision	FS 60TV4 D49VP88	VT3P VT3P	AC,P2 AC,P5V	110	117.6	17.1 17.5	11	905	11	179.5 169.3		55.6		15.4 24.7	20 30
lyna-Gro lugusta	A0720GTCBLLC	GT/CB/LL	MQ,C2	109 112	115.8 115.5	17.5	1	890 885	12 13	173.3	ب	62.3 57.7		11.6	31
lugusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	114.4	18.5	1	877	15	183.1	Drought	45.6	Drought	0.0	
airyland	DS9610	3000GT	MQ,C2	110	114.3	18.2	0	877	14	175.2	Dro	53.4	Dro	0.0	1
ireat Heart	HT-7240VT3Pro	VT3P	AC,P5V	112	114.1	18.7	0	874	16	173.6	Lost to I	54.5	Lost to I	0.0	1
Beck AgriGold	Beck 5509A3 A6458VT3	3000GT VT3	Es AC,P5V	110 109	113.7 113.0	18.4 17.3	2 0	872 869	17 18	171.6 194.9	Los	55.8 31.1	LOS	2.0 1.4	1! 1!
iteyer	11208VT3PR0	VT3P	MQ,C2	111	111.9	17.8	6	859	19	180.9	-	42.9		25.2	2
lruger	KR-4510	VT2P-R	AC,P5V	110	111.1	16.9	5	856	20	164.1		58.1		0.6	1
reat Lakes	5939G3VT3	VT3	AC,P5V	109	110.4	16.9	1	850	22	188.1		32.6		3.1	2
iruger	K-7810	VT3P	AC,P5V	110	110.2	16.3	7	851	21	166.9	-	53.5		4.8	3
ewis C Soodo	1308VT3P	VT3P VT3	AC,P5V AC,P5V	109	110.2	16.6	2	850	23 24	177.3 181.8		43.1		1.9	1 2
G Seeds ireat Heart	LG2555VT3 HT-7167VT3Pro	VT3P	AC,P5V AC,P5V	<u>110</u> 111	110.0 109.9	17.4 21.7	<u>16</u> 0	846 833	24	181.8	-	<u>38.2</u> 38.3		3.7	2
tone	5722RIB	VT2P-R	AC,P5V	107	109.5	16.6	16	844	25	178.2		40.8		18.4	2
tine	9732VT3Pro	VT3P	AC,P2	111	109.4	17.3	0	842	26	182.3		36.4		5.6	2
/yffels	W7057	VT3P	AC,P5V	111	109.0	17.5	0	838	27	173.0		44.9		13.5	4
/yffels	W7477	VT3P	AC,P5V	112	108.3	21.5	1	822	30	177.6		39.0		2.9	2
Pfister Pioneer	2574SS P1018HR CK	STX HX,RR2	AVC,C2 MQ,C2	110 110	107.4 92.2	18.9 18.0	1	822 708	29 61	163.7 162.0		51.1 22.3		10.8	3
	TTOTOTIN GR	TIA,TITZ	1010,02	110					01	171.9		41.0		-	2
lest Average =					106.5	17.9	5	818		1/1.9		41.0		6.8	
SD (0.10) =	TEOT 440 440 D	0.014			21.0	ns	ns	818		19.1		15.7	T = 10	11.3	14
SD (0.10) = FULL-SEASON	TEST 113-116 Day		40.00	110	21.0	ns	ns		-	19.1		15.7	Top 3	11.3 30 of 54 1	1 test
SD (0.10) = FULL-SEASON S Invision	FS 63SV4	VT3P	AC,P2	113	21.0 135.8	ns 19.6	ns 0	1,037	1	19.1 215.4		15.7 56.1	Top 3	11.3 30 of 54 1 9.7	14 test 2
SD (0.10) = FULL-SEASON S InVISION Gruger	FS 63SV4 K-7315	VT3P VT3P	AC,P5V	115	21.0 135.8 133.9	ns 19.6 19.9	ns 0 6	1,037 1,021	2	19.1 215.4 208.5	-	15.7 56.1 59.2	Top 3	11.3 30 of 54 1 9.7 7.4	14 test 23 29
SD (0.10) = FULL-SEASON S InVISION (ruger Steyer	FS 63SV4	VT3P			21.0 135.8	ns 19.6	ns 0	1,037		19.1 215.4	-	15.7 56.1	Тор 3	11.3 30 of 54 1 9.7	14 test 23 29 30
SD (0.10) = FULL-SEASON S INVISION rruger teyer rruger tone	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P	VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V	115 114 114 113	21.0 135.8 133.9 130.8 130.7 130.3	ns 19.6 19.9 18.1 20.2 19.9	ns 0 6 0 0 0	1,037 1,021 1,004 996 994	2 3 4 5	19.1 215.4 208.5 202.6 199.5 207.2	-	15.7 56.1 59.2 58.9 61.9 53.3	Top 3	11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4	14 test 23 30 23 31 31 31 31
SD (0.10) = FULL-SEASON S InVISION fruger fruger Stone Vyffels	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831	VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V	115 114 114 113 113	21.0 135.8 133.9 130.8 130.7 130.3 127.9	ns 19.6 19.9 18.1 20.2 19.9 19.0	ns 0 6 0 0 0 1	1,037 1,021 1,004 996 994 978	2 3 4 5 6	19.1 215.4 208.5 202.6 199.5 207.2 202.8	-	15.7 56.1 59.2 58.9 61.9 53.3 53.0	Top 3	11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1	14 22 29 30 21 31 21 31 21 21
SD (0.10) = FULL-SEASON S INVISION iruger iteyer iruger itone Vyffels itannel	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V	115 114 114 113 113 113	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7	ns 0 6 0 0 0 1 1	1,037 1,021 1,004 996 994 978 965	2 3 4 5 6 7	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6	-	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0	Top 3	11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3	1 test 2 2 3 3 2 3 2 2 2 2 3 2 2 2 2 2 3 2 2 3 2 2 3 2 2 3 3 2 2 3 3 2 2 3 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3
SD (0.10) = ULL-SEASON S InVISION truger truger tone Vyffels thannel ewis	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	115 114 114 113 113 113 113 113	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7	ns 0 6 0 0 0 1 0 1 0 0	1,037 1,021 1,004 996 994 978 965 959	2 3 4 5 6 7 8	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3	-	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9	Top 3	11.3 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1	1 2 2 3 2 3 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V	115 114 114 113 113 113	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7	ns 0 6 0 0 0 1 1	1,037 1,021 1,004 996 994 978 965	2 3 4 5 6 7	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6	-	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0	Top 3	11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3	1 2 2 3 3 2 3 2 2 2 2 1
SD (0.10) = FULL-SEASON S InVISION ruger teyer teyer vuger tone /yffels hannel ewis tone tone ruger	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 113 113 113 114 114 115	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9	ns 0 6 0 0 1 1 0 0 0 2 0	1,037 1,021 1,004 996 994 978 965 959 953 952 955	2 3 4 5 6 7 8 10 11 9	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6	-	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0	Top 3	11.3 80 of 54 t 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5	1 test 2 2 3 3 2 2 2 2 2 2 1 1 4 3
SD (0.10) = CULL-SEASON S InVISION ruger teyer teyer tone /yffels hannel ewis tone ruger tone ruger tone ruger tone ruger	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 113 113 114 115 113	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.3	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1	ns 0 6 0 0 1 0 0 0 0 2 0 0 0 0	1,037 1,021 1,004 996 994 978 965 959 955 952 955 926	2 3 4 5 6 7 8 10 11 9 13	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0	-	15.7 59.2 58.9 61.9 53.3 67.0 67.0 63.1 56.5 51.0 49.5		11.3 80 of 54 t 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4	1 test 2 2 3 3 2 2 2 2 2 2 2 1 1 4 3 3 1
SD (0.10) = ULL-SEASON S INVISION ruger teyer ruger tone /yffels hannel ewis tone ruger tone wis tone ewis tone ewis tone ewis	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 113 114 115 113 115	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.3 122.2	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4	ns 0 6 0 0 1 1 0 0 0 2 0 0 0 0 0 0	1,037 1,021 1,004 996 994 978 965 959 953 952 955 926 931	2 3 4 5 6 7 8 10 11 9 13 12	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3	ght 	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0		11.3 80 of 54 t 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.8	1 test 2 2 3 3 2 2 2 2 2 2 2 1 1 4 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = ULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone tone tone ewis tone ewis hannel	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 114 115 115 115	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.3 122.2 118.4	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8	ns 0 6 0 0 1 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 978 965 959 953 955 955 926 931 903	2 3 4 5 6 7 8 10 11 9 13 12 14	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3 196.8	rought -	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.8 11.2	1 test 2 2 3 3 2 2 2 2 2 2 2 1 1 4 3 1 1 2 3
SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone ruger tone wwis tone ewis hannel wis hannel /yffels	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 113 114 115 113 115	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.3 122.2	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4	ns 0 6 0 0 1 1 0 0 0 2 0 0 0 0 0 0	1,037 1,021 1,004 996 994 978 965 959 953 952 955 926 931	2 3 4 5 6 7 8 10 11 9 13 12	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3	to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0		11.3 80 of 54 t 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.8	1 test 2 2 3 3 2 2 2 2 2 2 2 1 4 3 1 2 3 2 2 2 2 2 2 2 2 2 2 2 2 3 3 2 2 2 2 3 3 2 2 2 2 3 3 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = FULL-SEASON S InVISION ruger teyer teyer ruger tone /yffels hannel ewis tone tone /yffels hannel tone tone tone solo solo tone tone Solo tone G ShIVISION G Seeds	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC,P5V MQ,C2 AC,P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 113 114 115 115 115 116	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.3 122.2 124.8 122.3 122.2 118.4 118.2	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1	1,037 1,021 1,004 996 994 978 959 959 955 955 955 926 925 926 931 903 899	2 3 4 5 6 7 8 10 11 9 13 12 14 15	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 193.4 195.0 186.3 195.0 186.3 196.8	ost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 67.0 67.0 63.1 56.5 51.0 49.5 58.0 49.5 58.0 49.5 58.0 49.0 40.0		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.5 24.4 15.8 24.4 15.8 24.5 24.5 24.5 24.5 24.5 24.5 24.5 24.5 25.5 24.5 25.5 25.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 27.5 2	1 2 2 2 3 3 3 2 2 2 2 2 2 2 2 2 1 1 4 3 3 2 2 2 2 2 2 2 3 3 2 1 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer teyer ruger tone /yffels hannel ewis tone tone tone tone yffels hannel /yffels S InVISION G Seeds hannel	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 115 115 115 116 113 114	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.2 125.0 124.8 122.2 118.4 118.2 117.5 116.9 116.5	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.4 19.8 20.7 19.7 21.2 17.8 20.8	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 13 0 1	1,037 1,021 1,004 996 959 959 953 955 926 931 903 899 892 898 888	2 3 4 5 6 7 8 10 11 9 9 3 3 12 14 15 17 16 18	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3 195.0 186.3 196.8 187.0 186.8 195.0 186.3 195.0 186.3 195.0 186.3 195.0 186.3 195.0 186.3 195.0 186.8 195.0 187.3 195.0 186.8 195.0 187.3 196.8 197.0 187.3 198.8 197.0 187.3 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 198.8 196.0 187.3 198.8 198.8 198.8 196.0 187.3 198.8 198.8 196.0 187.3 198.8 198.8 196.0 189.8 196.0 189.8 196.0 189.8 196.0 189.8 196.0 198.8 196.0 198.8 196.0 197.8 19	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 49.5 58.0 49.3 51.8 34.9 36.9	Lost to Drought	11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 13.5 24.4 15.8 11.2 18.4 14.9 17.5 11.8	1 test 2 2 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer tuger tone /yffels hannel ewis tone tone yffels hannel ewis bannel /yffels S InVISION G Seeds hannel jhannel fister	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 113 113 113 113 113 114 115 115 116 113 114 115	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.8 20.8 19.7	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 3 0 0 1 2 2	1,037 1,021 1,004 996 978 965 959 953 955 926 931 903 899 892 898 886 888	2 3 4 5 6 7 8 10 11 9 9 3 12 14 15 17 16 18 20	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 193.4 195.0 186.3 195.0 186.3 195.0 186.3 195.0 186.8 187.0 186.8 187.0 189.5 209.6 209.6 209.6 201.6 201.6 201.6 201.6 202.8 187.3 193.4 193.4 193.4 193.5 195.0 186.6 205.0 195.0 186.6 205.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 187.0 195.0 187.0 195.0 187.0 187.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 195.0 	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 51.8 34.9 36.9 21.8		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.8 11.2 18.4 14.9 17.5 24.4 15.8 11.2 18.4 14.9 17.5 24.4 15.8 3.8	1 222 3 3 2222 2 2 2 2 3 3 3 2 2 2 2 1 1 2 2 2 1 2 2 2 1
SD (0.10) = ULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone tone tone tone tone sinse hannel /yffels S InVISION G Seeds hannel fister griGold	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 114 115 115 115 115 116 113 114 115 116 113 114 115 116 113 114	21.0 135.8 130.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 125.2 125.0 124.8 122.2 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.7 21.2 17.8 20.8 19.7 18.0	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 978 965 959 953 952 955 926 931 903 899 892 898 888 888 883	2 3 4 5 6 7 8 8 10 11 9 13 12 14 15 17 16 18 20 19	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3 196.8 187.0 186.3 196.8 187.0 188.1 196.8 187.0 189.5 207.2 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 202.8 205.8 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 209.5 194.5 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6 201.6	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 51.8 36.9 36.9 21.8 36.1		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 1.3.5 24.4 15.8 11.2 18.4 14.9 17.5 11.5 3.8 3.8 2.1	1 test 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone wis tone vgrfels hannel /yffels S InVISION G Seeds hannel fister griGold reat Lakes	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3 6354G3VT3	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 114 115 116 116 116 1113 114	21.0 135.8 130.9 130.8 130.7 127.9 126.8 125.6 125.2 125.0 124.8 122.3 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3 113.6	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.7 21.2 17.8 20.9 17.8 20.7 18.0 18.8	ns 0 6 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 9785 959 953 955 955 926 931 903 899 892 898 8883 8883 885 870	2 3 4 5 6 7 8 8 10 11 9 13 12 14 15 17 16 18 20 19 21	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3 196.8 187.0 188.1 198.8 196.5 194.5 196.8	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 63.1 56.5 51.0 49.5 58.0 58.0 59.0 59.0 58.0 59.0 50.0		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 13.5 24.4 15.5 24.4 15.5 24.4 11.2 18.4 14.9 17.5 11.8 3.8 2.1 8.0	1 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone tone yffels hannel /yffels S InVISION G Seeds hannel /griGold reat Lakes reat Lakes	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 114 115 115 115 115 116 113 114 115 116 113 114 115 116 113 114	21.0 135.8 130.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 125.2 125.0 124.8 122.2 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.7 21.2 17.8 20.8 19.7 18.0	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 978 965 959 953 952 955 926 931 903 899 892 898 888 888 883	2 3 4 5 6 7 8 8 10 11 9 13 12 14 15 17 16 18 20 19	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 186.3 196.8 187.0 186.3 196.8 187.0 188.1 198.8 196.8 187.0 209.5 194.5	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 51.8 36.9 36.9 21.8 36.1		11.3 80 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 1.3.5 24.4 15.8 11.2 18.4 14.9 17.5 11.5 3.8 3.8 2.1	1 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S S InVISION ruger teyer - teyer - tone - /yffels - hannel - ewis - tone - tone - ruger - tone - ewis - hannel - /yffels S hannel - /yffels - S InVISION G G Seeds - hannel - fister - griGold - reat Lakes - airyland -	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 6404GVT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3 6354G3VT3 6354G3VT3 6455G3VT3 DS7713 6530VT3PR0	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	115 114 113 113 113 113 113 113 113 113 113 113 114 115 115 116 116 116 117 118 114 115 114 115 114 113 114 113 114 113 114 113 114 113 114 113 114	21.0 135.8 133.9 130.8 130.7 130.3 127.9 126.8 125.2 125.0 124.8 125.2 125.0 124.8 122.2 118.4 117.5 116.9 116.5 115.7 115.3 113.6 112.4 109.9 109.7	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.8 19.7 18.0 18.0 18.2 19.8 19.0	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 3 0 0 1 1 2 0 0 1 1 5 6	1,037 1,021 1,004 996 959 959 955 926 931 903 899 892 898 886 883 885 870 879 839 839	2 3 4 5 6 7 8 10 11 9 13 12 14 15 17 16 18 20 19 21 22 24 23	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.3 193.4 198.6 195.0 186.3 195.0 186.3 196.0 209.5 194.5 194.5 194.5 194.2 207.8	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.0 49.5 51.8 34.9 36.9 21.8 36.1 30.6 1 30.3 25.6 11.5 1		11.3 0 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 13.5 24.4 15.8 11.2 18.4 15.8 11.2 18.4 17.5 11.8 3.8 2.1 8.0 7.0 12.0 0.0	1 test 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2
SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone tone tone tone tone wis hannel ewis hannel /yffels S InVISION G Seeds hannel fister griGold reat Lakes airyland reat Lakes yna-Gro	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P K-7615 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3 6354G3VT3 6354G3VT3 6350VT3PR0 D54VP81	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	$\begin{array}{c} 115 \\ 114 \\ 114 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 114 \\ 114 \\ 115 \\ 116 \\ 116 \\ 116 \\ 116 \\ 1114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 113 \\ 114 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 \\ 114 \\ 115 $	21.0 135.8 130.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 125.0 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3 113.6 112.4 109.9 109.7 107.8	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.4 19.8 20.7 21.2 17.8 20.8 19.7 18.0 18.8 19.2 19.2 19.0 18.7	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 978 965 959 955 9266 931 903 899 892 898 886 883 885 870 859 839 839 839	2 3 4 5 6 7 8 10 11 19 3 12 14 15 17 16 18 20 19 21 22 24 23 25	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 193.4 195.0 186.3 195.0 186.3 195.0 186.3 195.0 186.3 196.8 196.8 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5 194.5	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 51.8 34.9 21.8 36.1 30.3 25.1 25.6 11.5 25.0		11.3 30 of 54 t 9.7 7.4 12.8 3.9 25.4 11.1 9.3 17.1 4.9 6.1 13.5 24.4 15.8 11.2 18.4 14.9 17.5 11.8 3.8 2.1 8.00 7.0 12.0 0.0 21.1	1 test 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3
SD (0.10) = ULL-SEASON S InVISION ruger teyer tone tone tone tone tone tone tone ton	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3 6354G3VT3 6354G3VT3 6354G3VT3 DS7713 6530VT3PR0 D54VP81 11406VT3PR0	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	$\begin{array}{c} 115 \\ 114 \\ 114 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 114 \\ 114 \\ 115 \\ 115 \\ 116 \\ 116 \\ 116 \\ 116 \\ 111 \\ 114 \\ 113 \\ 114 \\ 111 \\ 114 \\$	21.0 135.8 130.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 125.2 125.0 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3 113.6 112.4 109.9 109.7 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.9 107.8 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.4 19.8 20.7 21.2 17.8 20.4 19.8 20.7 21.2 17.8 20.4 19.9 19.0 18.7 18.0 18.7 18.9	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 975 955 955 926 931 903 899 892 898 888 888 885 870 859 839 839 839 826 839	2 3 4 5 6 7 8 10 11 9 9 13 12 14 15 17 16 18 20 19 21 22 24 23 25 26	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 195.0 186.3 196.8 187.0 186.3 196.8 187.0 183.1 196.8 196.0 209.5 194.5 196.8 199.6 194.2 207.8 190.5 190.5 190.5	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 58.0 40.0 49.3 51.8 36.9 36.9 21.8 36.1 30.3 25.1 25.0 25.0 25.0		11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 13.5 24.4 15.8 11.2 18.4 14.9 17.5 11.8 3.8 2.1 8.0 7.0 12.0 0.0 21.1 16.1	1 test 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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SD (0.10) = CULL-SEASON S InVISION ruger teyer ruger tone /yffels hannel ewis tone tone wwis tone wis hannel /yffels S InVISION G Seeds hannel /yffels S InVISION G Seeds hannel /yffels S InVISION G Seeds hannel /yffels sinvland reat Lakes reat Lakes wina-Gro teyer uiTech /yffels	FS 63SV4 K-7315 11407VT3PR0 K-7215 6354GVT3P XD831 213-40VT3P 1313VT3P 6404GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6434GVT3P 6328RIB 1315VT3P 215-52VT3P W8967 FS 66S44 LG2620VT3 214-14VT3P 3488HR A6533VT3 6354G3VT3 6354G3VT3 6354G3VT3 DS7713 6530VT3PR0 D54VP81 11406VT3PR0	VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	AC, P5V MQ, C2 AC, P5V AC, P5V	$\begin{array}{c} 115 \\ 114 \\ 114 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 114 \\ 114 \\ 115 \\ 115 \\ 116 \\ 116 \\ 116 \\ 116 \\ 111 \\ 114 \\ 113 \\ 114 \\ 111 \\ 114 \\$	21.0 135.8 130.9 130.8 130.7 130.3 127.9 126.8 125.6 125.2 125.0 124.8 125.2 125.0 124.8 122.2 118.4 118.2 117.5 116.9 116.5 115.7 115.3 113.6 112.4 109.9 109.7 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.8 107.9 107.8 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107.9 107.8 107	ns 19.6 19.9 18.1 20.2 19.9 19.0 20.7 19.7 20.6 20.4 18.9 22.1 20.4 19.8 20.7 21.2 17.8 20.4 19.8 20.7 21.2 17.8 20.4 19.8 20.7 21.2 17.8 20.4 19.9 19.0 18.7 18.0 18.7 18.9	ns 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,037 1,021 1,004 996 975 955 955 926 931 903 899 892 898 888 888 885 870 859 839 839 839 826 839	2 3 4 5 6 7 8 10 11 9 9 13 12 14 15 17 16 18 20 19 21 22 24 23 25 26	19.1 215.4 208.5 202.6 199.5 207.2 202.8 186.6 202.3 187.3 193.4 198.6 195.0 195.0 186.3 196.8 187.0 186.3 196.8 187.0 183.1 196.8 196.0 209.5 194.5 196.8 199.6 194.2 207.8 190.5 190.5 190.5	Lost to Drought	15.7 56.1 59.2 58.9 61.9 53.3 53.0 67.0 48.9 63.1 56.5 51.0 49.5 58.0 40.0 49.3 58.0 40.0 49.3 51.8 36.9 36.9 21.8 36.1 30.3 25.1 25.0 25.0 25.0		11.3 30 of 54 1 9.7 7.4 12.8 3.9 25.4 11.1 13.5 24.4 15.8 11.2 18.4 14.9 17.5 11.8 3.8 2.1 8.0 7.0 12.0 0.0 21.1 16.1	1 test 2 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2
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Sponsored by Poncho/VOTiVO from Bayer CropScience 13







Corn Stats: Yield Range: 122.0-171.5 bu. per acre Yield Average: 140.5 bu. per acre Top \$ Per Acre: \$1,243.80

Corn Field Notes: Indiana Central

Rich Schleuning, F.I.R.S.T. Manager

Greensburg—The Greensburg test site had an extreme stand loss of more than 11,000 due to 2.5" of heavy rain five hours after planting. With the struggle to plant in this area we decided not to replant. In mid-July the plot got hit with a hailstorm with only minor damage to leaves and none to stalks. The lodging scores are root lodging from the July storm. Plant heights were 5'5" to 6'7" tall. Fusarium ear rot was present.

Otterbein—Grain moistures were drier than expected considering all of the green fodder. Some rust and fusarium ear rot were present. The drought shortened plant heights. Tip-back, zipper ears and shortened ear size from poor pollination were present. Final stand was fair but drought played a role in the yield. Cob quality and kernel depth were good, which made for easy grain shelling despite high plant moistures.

Perrysville—Drought hurt this area. From the start of the year, this area was short on moisture and stayed short all growing season. July was the toughest, with light mixable rain. Ear size ranged from 8 to 16 kernels around and from 14 to 26 kernels long, often with blanks on one side. Stalk quality was good with no disease present. Grain quality varied, as kernel color was pale yellow to bright yellow. The timing of pollination was a key to grain fill at this site. The full-season test was rejected due to high yield variability.

Spiceland—This location went from one extreme to another: first wet, then extremely dry, then back to wet again. The early-season test had better subsoil holding capacity than the full-season test did. This is one of the things a drought reveals. Stalk quality started to deteriorate, as you can see in the lodging scores. With the late planting date the earlyseason test missed the high heat. Average yields averaged 130.4 bu. per acre in the early-season test and the full-season test was rejected.

Windfall—Windfall received rain just as they needed it. This site had good grain quality with deep kernel set, which made for an easy shell. Some light fusarium ear rot infestations were present. Lodging was light but stalks were weakening.

Wingate—In a drought year, things we cannot see or know about below the soil surface will reveal themselves. Plant height here was from 7' to 11' tall. Stalk lodging was very sporadic across the plot. This was one of the first locations that had good brace roots. Rust and some light fusarium ear rot was present. Things in this area looked good until July, when only 0.8" of rain fell for the month.



The ears from trials at Perrysville, Ind. show variability that was common in this plot. Ear sizes ranged from 8 to 16 kernels around and from 14 to 26 kernels long.

Site Information			2012 Rainfall (inches)*											
Indiana Central	liana Central								Monthly Vs. 30-year a					
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylul	August			
Greensburg	clay loam	minimum	corn, 2+ yr	185	5/7	3.71	0.42	2.16	3.05	-1.80	-0.89			
Otterbein Perrysville	silt loam silty clay loam	minimum no-till	soybean sovbean	<u>177</u> 145	4/18 4/18	2.70 3.46	1.20	1.30 0.89	6.98 5.01	-2.90 -3.70	<u>3.37</u> 1.62			
Spiceland	silt loam	no-till	soybean	152	5/15	3.53	1.26	1.27	4.49	-3.28	1.24			
Windfall	silty clay loam	conventional	soybean	165	4/20	2.15	2.12	3.43	5.00	-0.89	1.43			
Wingate	silty clay loam	no-till	corn, 2+ yr	145	4/19	3.40	4.26	0.85	7.28	-3.63	3.73			
				*Rainfal	l estimates j	provided by	i leivent. (Grower su	pplied rainf	all data in field	d notes.			

14 December 2012 Visit www.FirstSeedTests.com for more yield results

F.I.R.S.T. Indiana Central Corn Results



Top 30 of 45 tested

EARLY-SEASON TEST 105-110 Day CRM

Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Greensburg	Otterbein	Perrysville#	Spiceland#	Windfall	Wingate
Specialty G2 Genetics	4611GENVT3P 5Z-008^	VT3P OI,RR2	AC,P5V MQ,R,P1V	110 108	147.9 144.0	21.2 20.4	2 2	1,086 1,061	1 2	131.6 134.5	136.5 129.2	126.0 119.2	144.2 144.3	200.6 187.4	148.5 149.2
LG Seeds	LG2575VT3Pro	VT3P	AC,P5V	110	144.0	20.4	3	1,001	3	116.1	146.8	95.0	144.5	189.6	166.3
Ebberts	7909VT3P	VT3P	AC,P5	108	143.0	20.9	1	1,051	5	130.1	138.9	117.1	139.4	174.4	157.8
AgriGold	A6408VT3Pro	VT3P	AC,P5V	107	142.9	19.7	1	1,055	4	136.9	125.0	119.5	149.3	169.5	157.2
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	142.0	21.1	1	1,043	6	129.0	126.9	108.7	119.6	190.4	177.1
Steyer	11004GENSS	STX	MQ,C2	110	142.0	21.8	1	1,041	9	110.2	131.4	106.9	145.8	187.6	170.3
LG Seeds	LG2549VT3	VT3	AC,P5V	109	141.9	20.9	1	1,043	7	135.8	140.6	96.3	132.3	187.1	159.5
Ebberts Great Lakes	9501SS 6087VT3PR0	STX VT3P	AC,P5 AC,P5V	109 110	141.6 140.3	20.6 21.7	2 2	1,042 1,029	8 10	110.4 120.1	132.5 132.1	123.2 104.4	140.5 138.1	197.0 185.5	146.2 161.4
G2 Genetics	5H-1005^	HX,RR2	MQ,R,P1V	110	139.9	21.7	1	1,029	13	120.1 145.4	119.6	91.9	117.4	100.0 198.7	166.4
Stewart	7V747	VT3P	AC,P5V	110	139.5	21.3	2	1,024	12	121.3	141.7	105.7	115.7	187.8	164.7
LG Seeds	LG5533VT3Pro	VT3P	AC,P5V	107	139.1	19.6	1	1,027	11	122.3	124.2	114.6	138.3	195.4	139.9
Great Lakes	5939G3VT3	VT3	AC,P5V	109	138.5	21.2	1	1,017	14	119.6	134.6	125.3	129.1	172.8	149.7
Seed Consultants	SCS 10HR62^	HX,RR2	MQ,P1V	106	137.1	19.8	2	1,012	16	122.2	131.6	93.7	137.6	189.9	147.6
AgriGold	A6458VT3	VT3	AC,P5V	109	137.0	20.6	1	1,008	17	123.0	147.9	107.5	115.9	185.0	142.7
G2 Genetics	5H-309^	HX,RR2	MQ,R,P1V	109	135.8	20.9	1	999	18	114.2	130.7	100.5	122.2	189.5	157.7
NuTech Great Heart	5B-410 HT-120VT3P	GT/CB/LL VT3P	MQ,R,C2 AC,P5V	<u>110</u> 110	<u>135.6</u> 135.1	<u>21.1</u> 21.3	<u>1</u> 1	<u>996</u> 992	<u>19</u> 21	<u>124.7</u> 117.4	<u>135.2</u> 133.4	<u>96.1</u> 97.8	124.8 129.2	<u>190.4</u> 190.8	142.8 141.8
Stever	10803GENSS	STX	MQ,C2	107	134.9	19.6	1	996	20	120.4	127.8	92.7	139.4	186.3	142.5
Golden Harvest	H-8577 3000GT	3000GT	CE,C2	107	134.3	20.8	1	988	23	114.6	123.1	110.8	122.8	177.0	157.2
NuTech	5N-910	3000GT	MQ,R,C2	110	134.2	20.8	1	987	24	117.6	129.8	94.2	130.9	175.2	157.2
Specialty	4383GENVT3P	VT3P	AC,P5V	105	133.8	19.4	1	989	22	130.0	121.3	100.4	112.3	192.4	146.4
Specialty	4608GENVT3P	VT3P	AC,P5V	109	133.5	20.4	1	983	25	113.7	124.5	110.1	121.8	176.8	154.1
AgriGold	A6476VT3Pro	VT3P	AC,P5V	111	133.0	21.9	1	975	28	122.5	111.1	89.7	125.6	189.8	159.2
Stewart	6V556	VT3P	AC,P5V	107	132.9	19.6	3	982	26	131.1	124.6	80.1	149.3	188.6	123.6
Steyer	10702-3000GT	3000GT	MQ,C2	108	132.5	20.4	1	976	27	110.3	134.1	109.4	117.6	169.0	154.4
Ebberts	6587VT2P SC 10AGT92	VT2P GT/CB/LL	AC,P5 MQ,P1V	107 109	131.8 130.7	20.8 21.2	1	969 960	29 30	101.0 121.2	129.3 128.8	108.2 91.1	145.6 133.3	171.2 187.6	135.5 122.4
> nog L'oncultante		GI/OD/LL	IVIQ.FIV	109	130.7	21.2	2	900	30	121.2					
Seed Consultants Stine		VT3P		107	129.6	19.5	1	957	31	113.9	127.6	99.7	132.1	176.7	- 127.3
Stine	9529VT3Pro	VT3P AM1.RR2	AC,P2	107 110	129.6 138.0	19.5 20.8	1	957 1.015	31 15	113.9 113.8	127.6	99.7 102.7	132.1	176.7 192.9	127.3
		VT3P AM1,RR2		107 110	129.6 138.0 134.1	19.5 20.8 20.5		957 1,015 987	31 15	113.9 113.8 117.7	127.6 118.0 127.5	99.7 102.7 101.4	132.1 130.7 130.4	176.7 192.9 181.4	127.3 170.1 146.2
Stine Pioneer	9529VT3Pro		AC,P2		138.0	20.8	1	1,015		113.8	118.0	102.7	130.7	192.9	170.1
Stine <mark>Pioneer Test Average =</mark> LSD (0.10) =	9529VT3Pro	AM1,RR2	AC,P2		138.0 134.1	20.8 20.5	1 1	1,015		113.8 117.7	118.0 1 27.5	102.7 101.4	130.7 130.4 18.5	192.9 181.4	170.1 146.2 17.8
Stine <mark>Pioneer Test Average =</mark> LSD (0.10) =	9529VT3Pro P1018AM1 CK	AM1,RR2	AC,P2		138.0 134.1	20.8 20.5	1 1	1,015		113.8 117.7	118.0 1 27.5	102.7 101.4	130.7 130.4 18.5	192.9 181.4 13.8	170.1 146.2 17.8 tested
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI	9529VT3Pro P1018AM1 CK EST 111-114 Day (AM1,RR2 CRM VT3P VT3P	AC,P2 MQ,P1V	110	138.0 134.1 10.6 171.5 158.5	20.8 20.5 0.9 24.9 24.9 24.9	1 1 ns	1,015 987	15	113.8 117.7 18.3	118.0 127.5 14.6	102.7 101.4 24.6	130.7 130.4 18.5 Top 3 83.1 99.6	192.9 181.4 13.8 D of 63 1	170.1 146.2 17.8 tested 159.9 149.0
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro	AM1,RR2 CRM VT3P VT3P VT3P VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V	110 112 114 112	138.0 134.1 10.6 171.5 158.5 157.2	20.8 20.5 0.9 24.9 24.9 24.2	1 ns 1 0 0	1,015 987 1,244 1,150 1,143	15 1 2 3	113.8 117.7 18.3 150.2 136.5 123.9	118.0 127.5 14.6 164.2 145.2 146.0	102.7 101.4 24.6 52.2 64.6 69.0	130.7 130.4 18.5 Top 3 83.1 99.6 117.2	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8	170.1 146.2 17.8 tested 159.9 149.0 143.0
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P	AM1,RR2 CRM VT3P VT3P VT3P VT3P VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V	110 112 114 112 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9	20.8 20.5 0.9 24.9 24.9 24.2 23.7	1 ns 1 0 0 1	1,015 987 1,244 1,150 1,143 1,135	15 1 2 3 5	113.8 117.7 18.3 150.2 136.5 123.9 130.6	118.0 127.5 14.6 164.2 145.2 146.0 148.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0	170.1 146.2 17.8 tested 159.9 149.0 143.0 146.7
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pro 7222VT3P 5512SS	AM1,RR2 CRM VT3P VT3P VT3P VT3P STX	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2	110 112 114 112 112 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9	1 ns 1 0 0 1 0	1,015 987 1,244 1,150 1,143 1,135 1,137	15 1 2 3 5 4	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1	170.1 146.2 17.8 tested 159.9 149.0 143.0 143.0 146.7 138.6
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pro 7222VT3P 5512SS DS7713	AM1,RR2 VT3P VT3P VT3P VT3P STX HX,RR2	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AVC,C2	110 112 114 112 112 112 112 113	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1	1 ns 1 0 0 1 0 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126	15 1 2 3 5 4 6	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6	170.1 146.2 17.8 tested 159.9 149.0 143.0 146.7 138.6 154.4
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753	AM1,RR2 VT3P VT3P VT3P VT3P STX HX,RR2 VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5 MQ,C2 AVC,C2 AC,P5V	110 112 114 112 112 112 113 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1 25.9	1 ns 1 0 0 1 0 1 1 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121	15 1 2 3 5 4 6 11	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5	118.0 127.5 14.6 164.2 145.2 145.2 146.0 148.3 158.3 138.0 141.2	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9	192.9 181.4 13.8 0 of 63 1 203.3 215.8 198.0 198.1 211.6 203.6	170.1 146.2 17.8 tested 159.9 149.0 143.0 146.7 138.6 154.4
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX	AM1,RR2 CRM VT3P VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,C2 AVC,C2 AC,P5V	110 112 114 112 112 112 113 114 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1 155.0	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5	1 ns 1 0 0 1 1 0 1 1 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122	15 1 2 3 5 4 6	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5	192.9 181.4 13.8 D of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 203.6 202.2	170.1 146.2 17.8 159.9 149.0 143.0 143.0 146.7 138.6 154.4 144.0 166.9
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753	AM1,RR2 VT3P VT3P VT3P VT3P STX HX,RR2 VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5 MQ,C2 AVC,C2 AC,P5V	110 112 114 112 112 112 113 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1 25.9	1 ns 1 0 0 1 0 1 1 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121	15 1 2 3 5 4 6 11 8	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5	118.0 127.5 14.6 164.2 145.2 145.2 146.0 148.3 158.3 138.0 141.2	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9	192.9 181.4 13.8 0 of 63 1 203.3 215.8 198.0 198.1 211.6 203.6	170.1 146.2 17.8 159.9 149.0 143.0 143.0 146.7 138.6 154.4
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P STX VT3P ST3P ST3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AVC,C2 AVC,C2 AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V CE,C2	110 112 114 112 112 112 113 114 112 114	138.0 134.1 10.6 171.5 158.5 157.2 155.7 155.3 155.1 155.0 154.8 154.0 153.9	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 23.7 26.3	1 ns 1 0 0 1 1 0 1 1 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125	15 1 2 3 5 4 6 11 8 7	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1	118.0 127.5 14.6 164.2 145.2 146.0 148.3 138.0 141.2 136.7 144.0 146.8 139.7	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9	170.1 146.2 17.8 tested 159.9 149.0 143.0 146.7 138.0 154.4 154.4 144.0 166.5 150.0
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V46 CX52VP91 N74R-3000GT LG2602VT3Pro	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P STX VT3P STX VT3P VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AVC,C2 AVC,C2 AVC,C2 AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V	110 112 114 112 112 112 113 114 112 114 112 113 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.1 155.0 154.8 154.0 153.9	20.8 20.5 0.9 24.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 23.7 26.3 24.3	1 ns 1 0 0 1 1 0 1 1 0 0 1 1 0 0 1 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,111 1,117	15 1 2 3 5 4 6 11 8 7 10 15 13	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 129.5 127.6 132.7	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 146.8 139.7 132.4	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 80.1 76.4	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.2 203.2 207.9 199.5 188.9 206.1	170. 146.2 17.8 159.9 149.0 149.0 143.0 146.2 138.0 154.4 144.0 166.9 150.0 140.0 159.9 143.0 143.0 144.0 159.9 143.0 159.9 149.0 159.9 149.0 159.9 149.0 159.9 149.0 159.0 149.0 159.0 140.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX 8V466 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P STX VT3P VT3P 3000GT VT3P HXT,RR2	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 112 114 112 112 112 113 114 112 114 112 113 112 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.1 155.0 154.0 153.9 153.7 155.0 154.0 153.9 153.7 153.4	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5	1 ns 1 0 0 1 1 0 1 1 0 0 1 1 0 0 1 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,117 1,117	15 1 2 3 5 4 6 11 8 7 10 15 13 9	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 127.6 132.7 122.7	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.6 139.7 132.4 140.2	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 102.5 80.1 76.4 108.7	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1	170. 146.2 17.8 159.9 149.0 149.0 143.0 146.2 138.0 154.4 144.0 166.9 150.0 140.0 159.9 143.0 145.2 143.0 145.2 145.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3PRO 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P VT3P STX VT3P HXT,RR2 STX	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 112 114 112 112 112 113 114 112 114 112 113 112 112 111	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.3 155.1 155.0 154.8 154.8 154.8 153.9 153.7 153.4 153.4	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 25.5 24.3 26.3 24.3 22.5 22.8	1 ns 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 2	1,015 987 1,244 1,150 1,143 1,135 1,135 1,135 1,121 1,122 1,125 1,122 1,122 1,117 1,117 1,122 1,121	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12	113.8 117.7 18.3 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 122.7 122.7 128.6	118.0 127.5 14.6 145.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 149.7 144.0 144.2 138.7 132.4 140.2 145.2	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 67.2 58.3 33.0 73.1 77.4	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 74.5 102.5 80.1 76.4 108.7 65.0	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8	170. 146.2 17.8 159.9 149.0 149.0 149.0 143.0 144.0 154.4 150.0 140.0 150.0 140.0 140.0 145.2 143.0 145.2 143.0 145.2 149.0 154.4 154.4 150.0 140.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT	AM1,RR2 CRM VT3P VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P STX VT3P STX VT3P STX STX STX 3000GT	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V	110 112 114 112 112 112 113 114 112 113 112 112 112 112 111 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.1 155.0 154.8 154.0 153.9 153.7 153.4 153.3	20.8 20.5 0.9 24.9 24.2 23.7 25.9 25.5 24.3 23.7 25.5 24.3 23.7 26.3 24.3 22.5 22.8 22.8 26.1	1 ns 1 0 1 0 1 1 0 1 0 1 0 1 0 0 1 2 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,122 1,111 1,111 1,111 1,112 1,121 1,107	15 1 2 3 5 4 6 11 8 7 10 15 15 13 9 12 18	113.8 117.7 18.3 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 122.7 122.7 122.7 128.6 124.9	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 138.7 132.4 140.2 145.2 142.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 80.1 76.4 108.7 65.0 97.6	192.9 181.4 13.8 0 of 63 t 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 194.8 195.0	170. 146.3 17.4 17.4 17.5 149.0 149.1 143.1 144.1 154.4 154.4 154.4 154.4 150.0 140.0 140.1 159.3 143.4 150.1 143.5 150.1 144.2 150.3 155.3
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst Specialty	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3PrO 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9112SX 83R38-3000GT 83R10GENSSRIB	AM1,RR2 CRM VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P VT3P STX VT3P VT3P STX STX STX STX STX STX STX STX-R	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V CE,C2 AC,P5V CE,C2 AVC,C2 AVC,C2 CE,C2 AC,P5V	110 112 114 112 112 113 114 112 113 114 112 113 114 112 113 114 112 113 114 112 112 111 114 113	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.0 154.8 154.0 153.9 153.7 153.7 153.7 153.4 153.3 153.4	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.5 24.3 25.5 24.3 23.7 26.3 24.3 23.7 26.3 24.3 22.8 22.8 22.8 22.8 26.1 25.3	1 ns 1 0 0 1 1 0 1 1 0 0 1 1 0 0 1 2 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,122 1,125 1,122 1,122 1,111 1,117 1,117 1,121 1,107 1,109	15 1 2 3 5 4 4 6 11 8 7 10 15 13 9 9 12 18 17	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 129.5 127.6 132.7 122.7 122.7 128.6 124.9 118.8	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 139.7 132.4 140.2 145.2 142.3 143.6	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 194.8 195.0 199.0	170 146 17 146 159 143 144 154 150 145 143 150 143 150 143 143 159 143 159 143 150 155 150 150 150 150 151
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst Specialty Great Heart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT 87R10GENSSRIB HT-7261VT3Pro	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P 3000GT VT3P HXT,RR2 STX 3000GT STX-R VT3P	AC,P2 MQ,P1V AC,P5 AC,P5 AC,P5 MQ,C2 AC,P5V AC,P5 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,P5V AC,C2 AC,P5V AC,P5 AC,P5V	110 112 114 112 113 114 112 113 112 113 112 113 112 113 112 113 112 111 111 1114 113 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1 155.0 154.8 154.0 153.9 153.7 153.4 153.4 153.4 153.1 152.7	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 23.6	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 2 0 0 0 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,112 1,122 1,111 1,117 1,122 1,211 1,107 1,109 1,112	15 1 2 3 5 4 6 6 11 8 7 10 15 13 9 9 2 12 18 17 14	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 122.9 127.9 117.1 124.7 127.6 132.7 122.7 128.6 124.9 118.8 119.3	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.8 139.7 132.4 140.2 145.2 142.3 143.6 143.6 144.8 139.7 132.4 140.2 142.3 143.6 143.8 143.8 143.8 143.8 143.8 143.8	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 76.9 64.9 72.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 80.1 76.4 108.7 65.0 109.5 57.6	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 199.0 204.5	170.1 146.5 17.8 149.0 149.0 149.0 149.0 149.0 143.0 143.0 143.0 144.0 150.0 140.0 140.0 145.0 145.0 144.0 151.0 138.3
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Garst Specialty Great Heart Dyna-Gro	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V46 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R83-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P XT3P XT3P XT3P XT3P XT3P XT3P XT3P X	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AVC,C2 AVC,C2 AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,C2 AVC,C2 AVC,C2 AVC,C2 AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V	110 112 114 112 112 113 114 112 113 112 113 112 113 112 113 112 113 112 111 114 112 111	138.0 134.1 10.6 171.5 158.5 157.2 155.7 155.3 155.1 155.0 155.7 155.3 155.1 155.0 154.8 154.0 153.9 153.7 153.4 153.4 153.4 153.4 153.4 153.3 155.1 152.7 151.5	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 24.3 24.3 22.5 22.8 24.3 22.5 22.8 26.1 23.6 21.8	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 2 0 0 0 1 1 1	1,015 987 1,244 1,150 1,143 1,143 1,143 1,137 1,126 1,121 1,122 1,125 1,122 1,111 1,117 1,122 1,121 1,107 1,109 1,112 1,111	15 1 2 3 5 4 6 111 8 7 10 15 13 9 12 18 8 7 10 15 13 9 12 17 14	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 127.6 132.7 122.7 128.6 132.7 128.6 124.9 118.3 127.7	118.0 127.5 14.6 164.2 145.2 146.0 148.3 138.0 141.2 136.7 144.0 146.8 139.7 132.4 140.2 145.2 144.3 139.7 132.4 140.2 145.2 144.5 145.6 145.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 56.4.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 64.9 72.5 50.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5 57.6 81.7	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0	170.1 146.3 17.8 159.9 149.0 149.0 149.0 149.0 149.0 149.0 149.0 149.0 150.0 150.0 150.0 140.0 150.0 140.0 150.0 1
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst Specialty	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pro 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT 87R10GENSSRIB HT-7261VT3Pro	AM1,RR2 VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P 3000GT VT3P HXT,RR2 STX 3000GT STX-R VT3P	AC,P2 MQ,P1V AC,P5 AC,P5 AC,P5 MQ,C2 AC,P5V AC,P5 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,C2 AC,P5V AC,P5V AC,C2 AC,P5V AC,P5 AC,P5V	110 112 114 112 113 114 112 113 112 113 112 113 112 113 112 113 112 111 111 1114 113 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1 155.0 154.8 154.0 153.9 153.7 153.4 153.4 153.4 153.1 152.7	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 23.6	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 2 0 0 0 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,112 1,122 1,111 1,117 1,122 1,211 1,107 1,109 1,112	15 1 2 3 5 4 6 6 11 8 7 10 15 13 9 9 2 12 18 17 14	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 122.9 127.9 117.1 124.7 127.6 132.7 122.7 128.6 124.9 118.8 119.3	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.8 139.7 132.4 140.2 145.2 142.3 143.6 143.6 144.8 139.7 132.4 140.2 142.3 143.6 143.8 143.8 143.8 143.8 143.8 143.8	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 76.9 64.9 72.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 80.1 76.4 108.7 65.0 109.5 57.6	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 199.0 204.5	170. 146. 174. 146. 174. 144. 174. 145. 149. 149. 149. 149. 149. 149. 149. 149. 141. 151. 115
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PRO HT-7240VT3PRO 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6232VT3PR0	AM1, RR2 CRM VT3P VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P VT3P STX VT3P VT3P STX VT3P VT3P HXT, RR2 STX 3000GT STX-R VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AVC,C2 AVC,C2 CE,C2 AVC,C2 CE,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	110 112 114 112 112 112 113 114 112 113 114 112 113 114 112 113 112 111 112 111 112 111 112	138.0 134.1 10.6 171.5 158.5 157.2 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 153.4 153.3 153.7 153.4 153.3 153.7 153.4 153.7 153.5 151.0	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 22.8 26.1 25.3 23.6 21.8 24.2	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 2 0 0 0 1 1 1 1	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,112 1,117 1,122 1,121 1,117 1,107 1,109 1,111 1,098	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12 18 17 14 16 19	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 131.5 114.7 117.1 129.5 132.7 122.7 128.6 124.9 118.8 119.3 127.7 127.8	118.0 127.5 14.6 145.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 146.8 139.7 132.4 140.2 145.2 144.3 139.7 132.4 140.2 145.2 142.3 143.6.1 136.4 138.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 64.9 72.5 50.5 66.6	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5 57.6 81.7 80.4	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 204.5 188.4	170.146.3 146.3 17.8 159.9 149.0 143.0 143.0 143.0 154.4 145.1 150.0 159.9 143.0 159.9 143.0 159.9 143.0 151
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Dairyland Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9112SX 83R38-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6232VT3PR0 X21151CM	AM1, RR2 CRM VT3P VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P VT3P STX VT3P VT3P HXT, RR2 STX 3000GT STX-R VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V AC,P5V CE,C2 AVC,P5V AC,P5V AC,P5V AVC,C2 AVC,C2 AVC,C2 AVC,P5V AC,P5V	110 112 114 112 113 114 112 113 114 112 113 114 112 113 114 112 111 112 111 112 111 112 111 112 111 112 114 112 114 112 114 112 114 112 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.1 155.0 154.8 154.8 154.8 153.9 153.4 153.3 153.1 152.7 151.5 151.5 151.0 150.9 150.9 150.9 150.9 150.9	20.8 20.5 0.9 24.9 24.2 23.7 25.9 25.5 24.3 23.7 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 22.8 26.1 25.3 23.6 21.8 24.5 24.9 25.5 22.8 26.1 25.3 23.6 21.8 24.9 25.5 22.8 25.5 25.5	1 ns 1 0 0 1 1 0 0 1 1 0 0 1 1 2 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,122 1,121 1,117 1,122 1,121 1,107 1,109 1,112 1,111 1,098 1,094	15 1 2 3 5 4 6 111 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21	113.8 117.7 18.3 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 122.7 122.7 122.7 128.6 124.9 118.8 119.3 127.7 127.7 127.7 120.6 120.6 120.8	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 132.7 142.3 144.2 145.2 144.3 139.7 132.4 140.2 145.2 142.3 143.6 148.1 136.4 138.5 142.0	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.6 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 72.5 50.5 66.6 83.3 37.9 85.0	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 74.5 102.5 102.5 102.5 80.1 76.5 97.6 109.5 57.6 81.7 80.4 109.5 57.6 81.7 80.4 109.5 57.6 81.7 80.4 109.5 57.6 81.7 80.4 99.7	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 194.8 195.0 199.0 204.5 184.5 189.4 196.4 196.4 196.4	170.1 146.3 17.5 159.9 149.0 143.0 144.0 154.4 156.4 156.4 156.4 156.4 156.4 156.1 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5 157.5
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer Garst	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT 83R83-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6232VT3PR0 X21151CM 83G41-3000GT	AM1,RR2 VT3P VT3P VT3P VT3P STX HX,RR2 VT3P STX VT3P STX VT3P STX VT3P STX STX STX STX STX STX STX STX	AC,P2 MQ,P1V AC,P5 AC,P5 AC,P5 MQ,C2 AC,P5V	110 112 114 112 112 112 113 114 112 113 112 113 112 113 112 113 112 113 112 113 112 111 112 111 112 111 112 111 112 111 112 111 112 111 112 114 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.7 155.3 155.1 155.0 154.8 153.9 153.7 153.4 153.3 152.7 153.4 153.3 152.7 151.0 152.7 151.0 150.9 150.9 150.4 150.0	20.8 20.5 0.9 24.9 24.2 23.7 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.3 24.3 22.5 22.8 26.1 25.3 23.6 21.8 24.2 24.2 24.5 25.0 25.0 24.0 25.2	1 ns 1 0 0 1 1 0 0 1 1 0 0 1 1 2 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,122 1,111 1,117 1,122 1,121 1,109 1,112 1,111 1,098 1,094 1,094 1,094 1,087	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 127.6 132.7 122.7 122.7 122.7 122.7 124.6 124.9 119.3 127.7 127.8 131.9 120.6 120.8 123.0	118.0 127.5 14.6 164.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.8 139.7 132.4 140.2 145.2 142.3 140.4 138.7 132.4 140.2 145.2 142.3 143.6 148.1 136.4 138.3 144.7 138.3 144.7 138.3 144.7 138.3 144.7 138.5 142.0 140.5	102.7 101.4 24.6 52.2 64.6 69.0 50.5 56.4.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 72.5 50.5 66.6 68.3 37.9 85.0 66.4	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 71.2 114.9 74.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5 57.6 81.7 80.4 109.1 87.0 98.0	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 201.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 195.0 204.5 184.5 189.4 196.4 196.4 196.7 183.9	170.1 146.2 17.8 iested 159.9 149.0 143.0 159.9 143.0 154.4 150.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 143.0 159.9 144.0 159.9 145.5 140.0 159.9 145.5 140.0 159.9 145.5 140.0 159.9 140.0 159.9 140.0 159.0 140.0 140.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer Garst LG Seeds	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R8-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6292VT2P LG2641-3000GT LG2620VT3	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P VT3P VT3P HXT, RR2 STX 3000GT VT3P	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V	110 112 114 112 113 114 112 113 114 112 113 114 112 113 112 113 112 111 112 111 112 111 112 111 112 111 112 111 112 111 112 111 112 111 112 111 112 114 113	138.0 134.1 10.6 171.5 158.5 157.2 155.7 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.4 153.4 153.3 153.4 153.3 152.7 151.5 151.0 150.9 150.9 150.9 150.0 150.0 149.9	20.8 20.5 0.9 24.9 24.2 23.7 22.9 25.1 25.9 25.5 24.3 24.3 24.3 22.5 22.8 26.3 24.3 22.5 22.8 26.1 25.3 23.6 21.8 23.6 21.8 24.2 24.5 25.0 24.0 25.0 24.0 25.0 24.0 25.1	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 2 0 0 0 1 1 1 1	1,015 987 1,244 1,150 1,143 1,143 1,137 1,126 1,121 1,122 1,125 1,122 1,112 1,125 1,122 1,111 1,117 1,122 1,121 1,107 1,109 1,112 1,111 1,098 1,096 1,094	15 1 2 3 5 4 6 111 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 130.6 127.9 117.1 131.5 114.7 117.1 129.5 122.7 122.7 122.7 122.7 122.7 122.7 124.9 118.8 119.3 127.7 127.8 131.9 120.6 120.8 123.0 128.1	118.0 127.5 14.6 164.2 145.2 146.0 148.3 138.0 141.2 136.7 144.0 146.3 138.0 141.2 136.7 144.0 146.8 139.7 132.4 140.2 145.2 144.5 148.1 136.4 138.3 144.7 138.3 144.7 138.5 144.0 144.5 142.6	102.7 101.4 24.6 52.2 64.6 69.0 50.5 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 68.9 68.9 72.5 50.5 66.6 68.3 37.9 85.0 85.0 50.5 66.4 55.1	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 112.1 74.5 102.5 102.5 102.5 102.5 57.6 81.7 80.4 109.1 85.3 79.0 98.0 81.3	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 199.0 199.5 188.9 206.1 194.8 195.0 199.0 199.0 199.5 188.9 206.1 194.8 195.0 199.0 199.0 199.5 188.9 206.1 194.8 195.0 199.0 199.0 199.5 188.9 206.1 194.8 195.0 199.0	170.1 146.2 17.8 iested 159.9 149.0 143.0 159.9 143.0 154.4 156.5 154.4 156.5 154.4 156.5 154.4 156.5 154.4 156.5 154.4 155.0 155.1 155.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Channel Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer Garst LG Seeds Steyer Garst LG Seeds Steyer	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V466 CX52VP91 N74R-3000GT LG2602VT3Pro DS9110SX 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6232VT3PR0 X21151CM 83G41-3000GT LG2620VT3 11203-3000GT	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P VT3P HXT, RR2 STX 3000GT VT3P VT3	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V	110 112 114 112 112 112 113 114 112 113 114 112 113 114 112 113 112 111 112 111 112 111 112 114 112 114 113 112 114 111 112 114 113 114 113 114 113 114 113 114 113 114 113 112	138.0 134.1 10.6 171.5 158.5 157.2 155.3 155.7 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 153.3 153.7 153.4 153.3 153.1 152.5 151.0 150.9 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.4 150.5	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 24.3 22.5 22.8 26.1 25.3 24.3 24.2 24.5 25.0 24.2 24.2 24.5 25.0 24.2 23.1 23.3	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,121 1,125 1,122 1,111 1,107 1,109 1,112 1,111 1,098 1,096 1,094 1,094 1,091	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23 24	113.8 117.7 18.3 150.2 136.5 123.9 130.6 127.9 131.5 117.1 132.5 127.7 122.7 122.7 122.7 128.6 124.9 118.3 127.7 127.8 131.9 120.6 120.8 123.0	118.0 127.5 14.6 145.2 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 146.8 139.7 132.4 140.2 145.2 144.3 139.7 132.4 140.2 145.2 144.3 138.4 138.3 144.7 138.5 142.0 140.5 142.6 127.2	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 67.2 59.5 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.3 67.2 55.5 55.5 66.6 68.9 66.6 68.3 37.9 72.5 55.5 66.6 66.6 67.5 55.5 66.6 66.5 67.5 55.5 66.6 67.5 55.5 66.5 66	130.7 130.4 18.5 Top 3 83.1 99.6 112.1 98.6 112.1 74.5 102.5 102.5 102.5 102.5 97.6 109.5 57.6 81.7 80.4 109.1 85.3 79.0 81.3 75.7	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 204.5 184.5 189.4 194.6 196.4 196.7 189.4 186.0	170.176 146.3 17.5 159.9 149.9 143.175 149.9 143.175 143.156 150.0 159.9 143.1151.1 150.0 159.9 143.1151.1 150.0 159.9 143.1151.1 151.151.151.151.151.151.151.151.
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Chand Ch	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V466 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT LG2602VT3Pro DS1VT3Pro DS1VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro 11203-3000GT H-9138 3000GT	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P VT3P T3P STX VT3P VT3P VT3P HXT, RR2 STX 3000GT STX-R VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P STX STX STX STX STX STX STX STX	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V	110 112 114 112 113 114 112 113 114 112 113 114 112 113 114 112 113 114 113 111 112 114 113 114 113 113 113 113 113 113 113 114	138.0 134.1 10.6 171.5 158.5 157.2 155.7 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 153.3 153.4 153.3 153.1 152.7 151.5 151.0 150.9 150.9 150.9 150.9 150.0 150.9 150.0 149.6 149.6 149.2	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 24.3 22.5 22.8 26.1 25.3 24.3 24.2 24.5 25.0 24.0 25.0 24.0 25.1 23.3 23.3 25.9	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,135 1,135 1,126 1,121 1,122 1,125 1,122 1,121 1,117 1,122 1,121 1,107 1,109 1,112 1,107 1,094 1,094 1,094 1,091 1,078	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23 24 30	113.8 117.7 18.3 136.5 123.9 130.6 127.9 130.6 127.7 117.1 129.5 127.7 127.6 132.7 122.7 128.6 124.9 118.8 119.3 127.7 127.8 131.9 120.6 120.8 123.0 128.1 129.0 110.8	118.0 127.5 14.6 145.2 146.0 148.3 158.30 138.0 141.2 136.7 144.0 144.2 132.4 140.2 145.2 144.4 139.7 132.4 140.2 145.2 144.4 138.3 144.7 138.3 144.7 138.5 142.0 140.5 142.0 142.7 138.5 142.0 142.5 142.0 142.6 127.2 138.6	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.5 55.5 66.6 68.3 67.9 66.6 68.3 67.9 66.6 68.3 67.9 66.6 66.6 66.5 65.1 74.4 74.1 74.4 74.5 75.5 75.5 75.5 75.5 75.5 75.5	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 117.2 98.6 117.2 98.6 102.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5 57.6 80.4 109.1 85.3 79.0 98.0 75.7 83.2	192.9 181.4 13.8 D of 63 1 211.6 203.3 215.8 198.0 198.1 201.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 204.5 188.4 194.6 196.4 196.7 183.9 189.4 196.7 183.9 188.0 195.7	170.1 146.2 17.8 159.9 149.0 143.0 146.1 138.6 154.4 144.0 166.5 154.4 144.0 155.0 143.6 155.0 143.6 145.1 151.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 132.2 148.6 151.3 148.6 151.3 151.3 156.1 151.3 155.3 1
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Dyna-Gro NK Brand LG Seeds Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer Garst LG Seeds Steyer Garst LG Seeds Steyer Garst Steyer Golden Harvest Stewart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9112SX 83R38-3000GT 87R10GENSSRIB HT-7261VT3Pro D51VP32 6292VT2P LG2641VT3 GC 6232VT3PR0 X21151CM 83G41-3000GT LG2620VT3 11203-3000GT H-9138 3000GT 8A228RIB	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P VT3P VT3P HXT, RR2 STX 3000GT STX-R VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P STX-R VT3P STX-R VT3P STX-R	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AVC,F5V AC,P5V	110 112 114 112 112 113 114 112 113 114 112 113 114 112 111 111 111 112 111 111 111 111 111 111 111 111 111 111 111 111 112 114 112 114 112 114 112 114 112	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 153.7 153.4 153.3 153.1 152.7 151.0 150.9 150.9 150.9 150.9 150.9 150.0 150.9 150.0 149.9 149.9 148.9	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 24.3 22.5 22.8 26.1 25.3 23.6 21.8 24.2 24.2 24.5 25.0 24.0 25.2 23.1 25.9 25.0 24.0 25.2 23.1 25.9 25.0	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 2 0 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,121 1,117 1,122 1,121 1,117 1,109 1,112 1,111 1,109 1,112 1,111 1,098 1,096 1,094 1,087 1,081 1,078 1,080	15 1 2 3 5 4 6 111 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23 24 30 29	113.8 117.7 18.3 136.5 123.9 130.6 127.9 130.6 127.7 131.5 114.7 117.1 129.5 122.7 122.7 128.6 124.9 118.8 19.3 127.7 128.6 124.9 118.8 19.3 127.7 128.6 124.9 118.8 19.3 127.7 128.0 120.6 120.8 123.0 128.0 108.5	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 138.7 132.4 140.2 145.2 144.3 139.7 132.4 140.2 145.2 142.3 1438.3 144.7 138.5 142.0 140.5 142.0 140.5 142.0 140.5 142.0 140.5 142.6 127.2 138.6 136.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 67.2 59.5 55.3 66.6 66.6 68.3 37.9 85.0 66.4 55.3 66.4 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 17.2 14.9 74.5 102.5 102.5 80.1 76.5.0 97.6 109.5 57.6 80.4 109.1 85.3 79.0 98.0 81.7 83.2 62.9	192.9 181.4 13.8 D of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 204.5 184.5 189.4 194.6 196.4 196.7 183.9 189.7 189.1	170.1 146.3 177.8 159.9 149.0 143.0 159.9 143.0 154.4 156.1 155.0 155.1 166.1 157.3 148.0 151.1 157.2 148.0 151.2 152.4 155.2 155.2 155.2 155.2 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.3 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5 155.5
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Dyna-Gro NK Brand LG Seeds Dairyland Dairyland Dairyland Dairyland Dairyland Dairyland Dairyland Dairyland Garst Specialty Great Heart Dyna-Gro Ebberts LG Seeds Great Lakes Steyer Garst LG Seeds Steyer Garst LG Seeds Steyer Golden Harvest Stewart Stewart	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V466 CX52VP91 N74R-3000GT LG2602VT3Pro DS9212Q DS9111SSX 83R38-3000GT LG2602VT3Pro DS1VT3Pro DS1VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro D51VT3Pro 11203-3000GT H-9138 3000GT	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P STX VT3P VT3	AC,P2 MQ,P1V AC,P5 AC,P5 AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AC,P5V AC,P5V CE,C2 AVC,C2 CE,C2 AVC,C2 CE,C2 AC,P5V	110 112 114 112 113 114 112 113 114 112 113 114 112 113 114 112 113 114 113 111 112 114 113 114 113 113 113 113 113 113 113 114	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.0 153.3 153.4 153.3 153.1 152.7 151.5 151.0 150.9 150.9 150.9 150.9 150.9 150.9 150.9 150.9 150.9 150.4 150.0 149.9 148.9 148.6	20.8 20.5 0.9 24.9 24.2 23.7 25.9 25.5 24.3 23.7 26.3 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 22.5 22.8 26.1 25.3 23.6 21.8 24.5 25.0 24.0 25.2 23.1 23.3 25.9 25.0 25.0 24.1	1 ns 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,125 1,122 1,125 1,122 1,121 1,117 1,122 1,121 1,107 1,109 1,112 1,110 1,112 1,110 1,096 1,094 1,094 1,094 1,080 1,080 1,081	15 1 2 3 5 4 6 11 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23 24 30	113.8 117.7 18.3 136.5 123.9 130.6 127.9 130.6 127.7 131.5 114.7 117.1 129.5 122.7 128.6 122.7 128.6 124.9 118.8 19.3 127.7 126.6 120.8 131.9 120.6 120.8 123.0 128.1 129.0 110.8 105.5 116.9	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 132.4 144.2 145.2 144.0 144.2 132.4 144.2 145.2 144.3 138.4 138.4 138.5 144.7 138.5 144.7 138.5 142.0 140.5 142.6 136.3 136.3 136.3 136.3 136.3 136.3 136.3 136.7	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 33.0 73.1 77.4 68.9 64.9 72.5 50.5 66.6 68.3 37.9 85.0 66.4 55.1 48.5 1 48.5 1 85.0	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 117.2 98.6 117.2 98.6 102.5 102.5 102.5 80.1 76.4 108.7 65.0 97.6 109.5 57.6 81.7 80.9 98.0 81.3 79.0 98.0 81.3 75.7 82.9 91.4	192.9 181.4 13.8 0 of 63 1 211.6 203.3 215.8 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 204.5 184.5 189.4 196.4 196.7 183.9 199.5 189.4 186.0 199.1 195.3	170.1 146.2 17.8 159.9 149.0 143.0 149.0 143.0 143.0 154.4 145.0 150.0 140.0 143.0 154.4 145.0 151.0 151.0 151.0 152.2 148.0 152.2 155.3 151.5 1
Stine Pioneer Test Average = LSD (0.10) = FULL-SEASON TI Ebberts Steyer Great Heart Ebberts Unity Dairyland Stewart Channel Stewart Chand Ch	9529VT3Pro P1018AM1 CK EST 111-114 Day (7712VT3P 11407VT3PR0 HT-7240VT3Pr0 7222VT3P 5512SS DS7713 8V753 212-09STX 8V446 CX52VP91 N74R-3000GT LG2602VT3Pro DS9112SX 83R38-3000GT 83R38-3000GT 83R38-3000GT 83R38-3000GT 83R41-3000GT LG2620VT3 11203-3000GT H-9138 3000GT 8A228RIB A6533VT3	AM1, RR2 VT3P VT3P VT3P VT3P STX HX, RR2 VT3P STX VT3P STX VT3P VT3P VT3P HXT, RR2 STX 3000GT STX-R VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P STX-R VT3P STX-R VT3P STX-R	AC,P2 MQ,P1V AC,P5 MQ,C2 AC,P5V AC,P5 MQ,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V CE,C2 AVC,F5V AC,P5V	110 112 114 112 113 114 112 113 114 112 113 114 112 111 112 111 112 111 112 111 112 111 112 114 112 114 112 114 112 114 112 114 112 114 112 114 112 114 112 113	138.0 134.1 10.6 171.5 158.5 157.2 155.9 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 155.3 155.1 153.7 153.4 153.3 153.1 152.7 151.0 150.9 150.9 150.9 150.9 150.9 150.0 150.9 150.0 149.9 149.9 148.9	20.8 20.5 0.9 24.9 24.2 23.7 25.1 25.9 25.5 24.3 23.7 26.3 24.3 22.5 22.8 26.1 25.3 24.3 22.5 22.8 26.1 25.3 23.6 21.8 24.2 24.2 24.5 25.0 24.0 25.2 23.1 25.9 25.0 24.0 25.2 23.1 25.9 25.0	1 ns 1 0 0 1 1 0 0 1 1 0 0 1 1 1 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1,015 987 1,244 1,150 1,143 1,135 1,137 1,126 1,121 1,122 1,125 1,122 1,121 1,117 1,122 1,121 1,117 1,109 1,112 1,111 1,109 1,112 1,111 1,098 1,096 1,094 1,087 1,081 1,078 1,080	15 1 2 3 5 4 6 111 8 7 10 15 13 9 12 18 17 14 16 19 20 22 21 25 23 24 20 29 27	113.8 117.7 18.3 136.5 123.9 130.6 127.9 130.6 127.7 131.5 114.7 117.1 129.5 122.7 122.7 128.6 124.9 118.8 19.3 127.7 128.6 124.9 118.8 19.3 127.7 128.6 124.9 118.8 19.3 127.7 128.0 120.6 120.8 123.0 128.0 108.5	118.0 127.5 14.6 145.2 146.0 148.3 158.3 138.0 141.2 136.7 144.0 144.2 138.7 132.4 140.2 145.2 144.3 139.7 132.4 140.2 145.2 142.3 1438.3 144.7 138.5 142.0 140.5 142.0 140.5 142.0 140.5 142.0 140.5 142.6 127.2 138.6 136.3	102.7 101.4 24.6 52.2 64.6 69.0 50.5 64.4 74.1 59.9 42.5 55.3 67.2 58.3 67.2 59.5 55.3 66.6 66.6 68.3 37.9 85.0 66.4 55.3 66.4 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57	130.7 130.4 18.5 Top 3 83.1 99.6 117.2 98.6 17.2 14.9 74.5 102.5 102.5 80.1 76.5.0 97.6 109.5 57.6 80.4 109.1 85.3 79.0 98.0 81.7 83.2 62.9	192.9 181.4 13.8 D of 63 1 211.6 203.3 215.8 198.0 198.1 211.6 203.6 202.2 207.9 199.5 188.9 206.1 205.1 194.8 195.0 199.0 204.5 184.5 189.4 194.6 196.4 196.7 183.9 189.7 189.1	170.1 146.2 17.8 (ested 159.9 149.0 143.0 159.9 144.0 156.1 150.0 159.9 143.0 159.9 144.0 159.9 145.5 150.0 151.0 151.0 151.0 152.5 152.5 154.5 154.5 155.
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Sponsored by Poncho/VOTiVO from Bayer CropScience 15







Corn Stats: Yield Range: 118.2-157.7 bu. per acre Yield Average: 137.4 bu. per acre Top \$ Per Acre: \$1,240.30

Corn Field Notes: Indiana South

Rich Schleuning, F.I.R.S.T. Manager

Carlisle—This location was lost due to do the drought this year. On July 20 corn had started to lodge due to weak stalk strength. In a count of 1/1000 of an acre you would maybe find two ears that had some kernels on them. Most of the ears were blank. Some plants looked like they had an ear but there was nothing there when you opened them up. This year, with the conditions we saw early in the growing season, there was some seedling blight noticed. Jeff Mann, F.I.R.S.T. farmer, had the insurance adjuster out and had yield estimates ranging from zero to 50 bu. per acre. The crop got off to a good start with good temperance and stand, but the lack of rain and the extreme heat this year devastated this crop.

Columbus—Seedling emergence was thin and uneven on the Columbus test plot. By mid-July, pollination had completed on some plants but was just starting on others. The plants showed signs of nutrient deficiency due to the drought, with no water to facilitate uptake. Plant height was short, as the crop did not reach full canopy, which then led to grass emergence once the rains started. Some of the ears were only 12" to 14" off the ground. A thin stand was a good thing with a dry year like this, as there was less competition for water and nutrients.

Elnora—The Elnora test location was lost due to a lack of rain this season. This area only saw 0.5" of rain in May and no rain at all in the month of June. The extreme heat and dryness shortened plant height, and some plants here were only 38" tall. By the middle of July, insurance claims had been done and some fields had gotten mowed off, giving us a zero for yield. Some of the plants did try to make an ear but on some of these there was only a blank cob and on others there maybe were up to twenty kernels.

Folsomville—The Folsomville test crop got off to a good start this year and ended up with a nice final stand. Plant health was good and there was just a light infestation of eyespot noted. There was some root lodging with the high wind and rain received before harvest. Stalk quality was good as the late-season rains brought the plants back to life. Ear tip-back was 1"-plus in length with some zipper ears and poor pollination at the bottom of the ear. Rainfall for the season was 2.6" in May, 9.7" in June, 3.4" in July and 5.5" in August.

Grammer—The Grammer area was wet this spring, which delayed planting until the middle May. The field around the test plot was planted and starting to emerge before the test plot even got planted. With the late planting date, pollination missed the extreme heat. There was still some zipper effect and shortened ear length. The late-season rains helped with grain quality. Final stands were sporadic across the field.

Huntingburg—This Huntingburg test location was a no-till corn-on-corn site. The ground conditions were hard to penetrate at planting. At the time of harvest the crop appearance was good, as stalks were still green with the late-season rain. Plant height was at 8.5' tall. Plant health was good with only light eyespot and no lodging. There was ear tip-back up to 3" in length. Some lateseason germinating vines made harvest a challenge but ultimately did not impact the corn vield results. Monthly total rainfall was 3" in May, 1.1" in June, 4.5" in July and 4.9" in August.



While plants looked like they had good ears on July 20 at Carlisle, Ind., the quality was lacking when you opened them up.

F.I.R.S.T. Indiana South Corn Results



Top 30 of 54 tested

ALL-SEASON TEST 107-116 Day CRM

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
Steyer	11407VT3PR0	VT3P	MQ,C2	114	157.7	20.4	2	1,240	1		129.1		193.0	145.2	163.4
Stewart	8V663	VT3P	AC,P5V	113	155.9	20.7	2	1,225	2		129.5	-	195.1	146.5	152.3
Stewart	8V753	VT3P	AC,P5V	114	154.6	20.7	2	1,215	3		146.4		183.3	142.3	146.2
Channel	214-14VT3P	VT3P	AC,P5V	114	154.3	20.1	1	1,215	4		129.5	-	203.5	130.8	153.5
Stewart	8V446	VT3P	AC,P5V	114	151.3	19.1	2	1,195	5		127.0		199.5	130.4	148.3
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	151.3	19.2	2	1,195	6		149.7	-	185.3	130.7	139.5
Channel	216-63VT3	VT3	AC,P5V	116	150.8	20.9	2	1,184	8		143.2		186.2	120.2	153.4
Steyer	11406VT3PR0	VT3P	MQ,C2	114	150.7	20.4	1	1,185	7		142.6	-	197.4	113.1	149.8
Channel	215-52VT3P	VT3P	AC,P5V	115	149.1	20.2	2	1,173	9		128.2		191.8	134.9	141.6
Steyer	11203-3000GT	3000GT	MQ,C2	112	148.3	19.4	2	1,170	10		151.6	-	177.3	106.7	157.6
Augusta	A0720GTCBLLC	GT/CB/LL	MQ,C2	112	148.2	20.9	2	1,164	11		125.6		176.1	141.0	150.0
LG Seeds	LG2641VT3	VT3	AC,P5V	114	146.1	20.7	2	1,148	12		158.1	-	167.4	126.4	132.6
NuTech	5N-517	3000GT	MQ,R,C2	116	145.8	22.9	2	1,138	15	Ħ	136.4	Drought	182.3	112.0	152.4
Dyna-Gro	D51VP32	VT3P	AC,P5V	111	144.8	19.5	2	1,142	13	Lost to Drought	139.1	5nc	168.3	134.2	137.7
NuTech	5B-410	GT/CB/LL	MQ,R,C2	110	144.1	19.0	2	1,138	14	ď	135.4	ď	165.4	118.8	156.9
Stewart	7E224RIB	VT2P-R	AC,P2	110	143.4	18.1	2	1,136	16	to .	122.2	Lost to	180.8	111.5	158.9
Great Lakes	6087VT3PR0	VT3P	AC,P5V	110	143.0	19.0	2	1,130	17	ost	146.8	ost	145.6	151.4	128.0
Garst	83R38-3000GT GC	3000GT	CE,C2	114	142.8	21.6	1	1,119	21		139.3		174.8	121.3	135.7
Stewart	7V747	VT3P	AC,P5V	110	142.7	19.1	2	1,127	18		130.8		178.6	127.1	134.2
Steyer	11302VT3PR0	VT3P	MQ,C2	113	142.5	20.2	3	1,122	19		127.1	-	172.8	122.7	147.2
Augusta	A0606GTCBLLC	GT/CB/LL	MQ,C2	111	142.1	21.0	2	1,116	22		134.0		156.9	127.9	149.6
LG Seeds	LG2555VT3	VT3	AC,P5V	110	142.0	19.3	5	1,121	20		132.0	_	137.8	143.4	154.6
Great Lakes	6530VT3PR0	VT3P	AC,P5V	115	142.0	21.1	2	1,114	23		156.3		163.7	123.1	124.7
Steyer	11207VT3PR0	VT3P	MQ,C2	112	139.8	21.3	2	1,096	25		120.0	_	166.4	142.7	130.0
LG Seeds	LG2602VT3Pro	VT3P	AC,P5V	112	139.5	20.5	2	1,097	24		125.9		169.9	132.0	130.1
Pfister	3507HR	HX,RR2	AVC,C2	116	138.9	22.3	1	1,086	27		148.5	_	148.1	116.8	142.3
G2 Genetics	5Z-1204^	0I,RR2	MQ,R,P1V	113	138.3	20.4	2	1,088	26		131.5		164.3	109.3	148.0
Great Lakes	6354G3VT3	VT3	AC,P5V	113	136.8	19.9	2	1,078	28		128.8		168.3	120.2	129.8
LG Seeds	LG2620VT3	VT3	AC,P5V	113	136.7	19.7	2	1,078	29		116.6	-	162.0	133.8	134.3
LG Seeds	LG2549VT3	VT3	AC,P5V	109	136.1	18.7	2	1,076	30		121.9		152.3	140.5	129.7
Test Average =					137.4	20.3	2	1,081			127.8		162.8	122.0	137.1
LSD (0.10) =					15.2	0.9	ns				20.7		26.3	19.4	18.9



During the peak of the drought and excessive heat weather pattern, Carlisle, Ind. shows lower leaves were burning up and stalks were deteriorating. This July 20 photo shows that ear formation was poor, ranging from no ear to small ears with a few kernels. Some plants were just silking but pollen had already been shed.

Site Information	I Contraction of the second						20)12 Rain	fall (inch	es)*				
Indiana South	diana South							Monthly Vs. 30-year a						
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	July	August			
Carlisle	sandy loam	conventional	soybean	n/a	4/20	0.66	0.63	0.72	3.17	-4.02	-0.14			
Columbus	clay loam	no-till	wheat	185	5/7	1.97	0.36	3.00	2.48	-1.07	-1.06			
Elnora	sandy clay	no-till	soybean	152	4/20	2.08	0.60	1.25	4.06	-3.49	0.75			
Folsomville	silty clay loam	conventional	corn, 2+ yr	235	4/21	2.61	0.97	3.42	5.50	-0.94	2.25			
Grammer	clay loam	no-till	soybean	155	5/15	3.45	0.47	1.85	2.93	-2.22	-0.61			
Huntingburg	clay loam	no-till	corn, 2+ yr	223	4/20	3.08	1.11	4.50	4.95	0.18	1.68			

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.



PONCHO[®]/VOTiVO[®] SEED TREATMENT BY BAYER

Bayer's Poncho[®]/VOTiVO[®] seed treatment protects young plants from pests during critical early development stages, leading to healthier root development and stronger stands. Applied directly to the seed, its systemic agent is absorbed by new roots immediately, never giving pests the opportunity to strike. Its revolutionary biological component – a unique bacteria strain that lives and grows with young roots – prevents nematodes from reaching the plant and causing damage.

Poncho/VOTiVO protects the whole plant, above and below ground, supporting healthier plant performance, improving vigor and positively impacting yield. The combination of a living barrier of protection with powerful control of critical early-season insects results in consistent defense of your crop from seed germination to plant establishment.

BENEFITS OF PONCHO/VOTIVO

CORN

 Controls black cutworms, wireworms and other important early-season insects.

- Systemic mode of action protects the entire plant, supporting healthier plant establishment.
- Living bacteria protects roots against nematode damage from a wide range of species.
- Valuable seed is protected from the moment it is planted.
- Maximizes early-season plant stands, uniformity and vigor for higher yields.

SOYBEANS

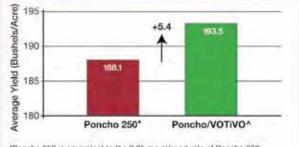
- Controls early-season aphids, overwintering bean leaf beetles and other important earlyseason insects.
- Systemic mode of action protects the entire plant, supporting healthier plant establishment.
- Living bacteria protects roots against nematode damage from soybean cyst nematode (SCN) and other significant types of nematodes.
- Complements existing SCN-resistant soybean varieties for even greater protection.
- Promotes higher yields through a healthier root system and a more vigorous and uniform crop.

Bayer CropScience LP, 2 TW Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer, the Bayer Cross, Poncho, VOTIVO, Gaucho, and Trilex are registered trademarks of Bayer. Poncho/VOTIVO is not registered in all states. For additional product information, call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our Web site at www.BayerCropScience.us. CR0812PONVOTA013V00R0



RESEARCH IN CORN

2007–2011 Poncho®/VOTiVO® Yield Enhancement over Poncho 250*



*Poncho 250 is equivalent to the 0.25 mg al/seed rate of Poncho 600. ^Poncho/VOTiVO average yield is statistically different than Poncho 250 at 95% confidence interval level using a paired t-test.

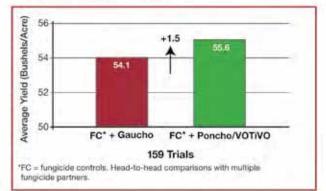


Poncho[®] 250 (left) vs. Poncho[®]/VOTiVO[®] (right) Blue Earth, MN in June 2012 showing taller, fuller plants.

For more information, visit PonchoVOTiVO.us.

RESEARCH IN SOYBEANS

2010 and 2011 Poncho®/VOTiVO® Yield Enhancement over Gaucho®





Gaucho[®] + Trilex[®] (left) vs. Poncho/VOTiVO (right) Sampson, NC, extremely high sting nematode population.

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









Corn Stats: Yield Range: 141.2-170.2 bu. per acre Yield Average: 158.2 bu. per acre Top \$ Per Acre: \$1,225.90

Corn Field Notes: Ohio West Central

Rich Schleuning, F.I.R.S.T. Manager

Caledonia—Wet conditions this spring delayed planting until May 15. The later planting date helped overall yields, as pollination missed the heat stress in July and caught a timely rainfall. The surrounding field averaged yields of 117 bu. per acre. It was planted earlier than the test and pollinated during the heat wave, resulting in lower yields than in our test, which averaged 190.6 bu. per acre in the early season and 194.2 bu. per acre in the full season. Some water ponding occurred early season and caused additional stress.

Celina—Drought effects still showed at harvest, as some plants had a buggy-whipped effect. The late-season rains made for some ear rot. Mark Houtz, F.I.R.S.T. farmer, commented on how the later planting seemed to be better than the earlier planting by 20 to 30 bu. per acre. Area yields were around 140 bu. per acre. Crop height was shortened by the drought. Unseen soil types made for a variance in yields.

Dunkirk—If there ever is a good year to have a stand reduction, a

drought year is it; the final stand averaged 26,900 plants per acre compared to our seeding rate of 32,500 seeds per acre. This location did get some timely and spotty rains. Light anthracnose made for some weak stalks. Jerry McBride, F.I.R.S.T. farmer, said that area yields have been running in the 150-bu.per-acre range this year.

Lewistown—This site was planted a bit later than normal due to wet spring conditions. The tests looked great through mid-to-late June when the heat wave and drought conditions set in. Pollination was poor, resulting in many barren stalks and ears. When kernels did develop, they were few, and ears were very short. Harvest was attempted but grain guantities were too small to get moisture readings. Since data quality was so poor, the site was abandoned. The surrounding field also had poor yield ranging from zero to 50 bu. per acre.

Springfield—Early in the season this site looked good; then the drought put plants under stress. It

became evident that there was soil type and cation exchange capacity (CEC) change from the early-season test to the full-season test. Soil under the early test was fairly uniform with higher CEC and held more moisture than the full-season test. A slight slope drained water toward the early-season test. The soil under the full-season test transitioned into one with lower CEC and lighter appearance (lower organic matter) which is less productive, especially under drought stress. Plants in the full-season test were 3' shorter in height and had more disease than those in the early-season test.

Versailles—Later planting helped this site miss some extreme heat at pollination. Corn planted two weeks earlier in this area averaged from 60 to 120 bu. per acre. Subsoil type and holding water capacity made for increased yield variance in the plot. There was some weed pressure due to the lack of crop canopy allowing more sunlight to reach the soil surface. The yield around the plot averaged 112 bu. per acre.

Site Information	n								fall (inch	es)*	
Ohio West Cent	ral						Mon	thly		Vs. 30-yea	ar avg.
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	yluL	August
Caledonia	loam	conventional	soybean	210	5/15	5.10	1.98	1.98	3.89	-2.29	0.87
Celina	clay loam	conventional	soybean	175	4/26	4.08	1.05	3.39	6.08	-1.42	2.53
Dunkirk	silt loam	no-till	soybean	175	5/3	3.06	2.23	2.96	3.74	-0.74	0.43
Lewistown	clay loam	no-till	soybean	195	5/17	4.17	2.91	2.97	4.42	-1.70	0.92
Springfield	loamy sand	conventional	soybean	165	5/12	5.37	3.71	3.69	2.43	-0.89	-0.90
Versailles	sandy clay loam	conventional	soybean	200	4/25 Lestimates	4.65	1.10	5.31	5.23	0.90	1.91

20 December 2012 Visit www.FirstSeedTests.com for more yield results

F.I.R.S.T. Ohio West Central Corn Results



EARLY-SEASON TEST 105-110 Day CRM

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Company/ Brand	Product/ Brand	Technology	Seed Treatment	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Caledonia	Celina	Dunkirk	Lewistown	Springfield	Versailles
Buckeye NK Brand	RR9021VT3Pro GC N63R-3000GT GC	VT3P 3000GT	AC,P2 CE,C2	110 109	166.3 164.3	22.4 22.4	1	1,200 1,185	1 2	215.9 194.6	170.3 189.4	166.7 144.8		139.6 149.7	139.1 142.9
LG Seeds	LG2549VT3	VT3	AC,P5V	109	164.3	22.4	1	1,185	3	194.8	189.9	164.3		144.0	128.3
Buckeye	RR9128VT3Pro GC	VT3P	AC,P2	110	164.0	22.5	1	1,183	4	223.9	175.5	144.4		151.3	124.7
Stewart	7V747	VT3P	AC,P5V	110	163.9	22.5	1	1,182	5	190.3	183.9	161.4		156.6	127.5
Specialty	4611GENVT3P	VT3P	AC,P5V	110	163.2	22.6	1	1,177	6	204.2	164.8	151.2		155.8	140.1
Ebberts	9501SS 5B-410	STX GT/CB/LL	AC,P5 MQ,R,C2	109	162.2	22.5 22.6	1 2	1,170	7 9	189.8 203.7	175.8	154.2 133.6		161.8	129.5
NuTech Buckeye	RR9158VT3Pro GC	VT3P	AC,P2	110 110	161.4 160.8	22.0	1	<u>1,164</u> 1,160	10	193.0	188.1 172.4	161.9		<u>161.3</u> 156.5	<u>120.5</u> 120.4
Ebberts	6587VT2P	VT2P	AC,P5	107	160.8	22.5	1	1,160	11	185.1	172.1	159.4		163.8	123.8
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	160.6	22.4	1	1,159	12	194.9	187.8	143.8		150.3	126.0
Steyer	11004GENSS	STX	MQ,C2	110	159.2	22.5	1	1,148	13	184.0	175.8	157.6		150.7	127.8
Pioneer Great Lakes	P1018AM1 GC 6087VT3PR0	AM1,RR2 VT3P	MQ,P1V AC,P5V	110 110	158.7 157.8	22.3 22.7	1 1	1,145 1,137	14 17	189.8 187.7	171.2 168.5	150.9 150.6	Lost to Drought	156.1 159.4	125.5 122.7
G2 Genetics	5Z-008^	0I,RR2	MQ,R,P1V	108	157.6	22.1	1	1,138	15	186.5	176.1	144.7	lrou	159.4	122.7
Steyer	10702-3000GT	3000GT	MQ,C2	108	157.6	22.3	1	1,138	16	187.9	182.8	133.1	tο	156.2	128.1
Doeblers	RPM 588AMX^	AMX,RR2	MQ,P1V	107	157.6	22.4	1	1,137	18	195.0	170.2	141.8	ost	162.3	118.7
LG Seeds	LG2575VT3Pro	VT3P	AC,P5V	110	157.2	22.5	1	1,134	19	187.0	179.5	144.3		149.7	125.3
NuTech Ebberts	5N-910 7358VT3P	3000GT VT3P	MQ,R,C2 AC,P5	110 108	157.0 156.7	22.3 22.3	1 1	1,133 1,131	20 21	188.3 203.9	170.5 157.0	154.6 149.8		143.2 155.3	128.4 117.4
G2 Genetics	5H-309^	HX,RR2	MQ,R,P1V	100	156.7	22.3	1	1,129	23	191.5	172.5	149.0		155.5	116.3
G2 Genetics	5H-806^	HX,RR2	MQ,R,P1V	106	156.6	22.4	1	1,130	22	179.8	175.8	155.7		144.5	127.4
Specialty	4608GENVT3P	VT3P	AC,P5V	109	156.6	22.6	1	1,129	24	174.7	170.8	154.1		156.2	127.1
Ebberts	7909VT3P	VT3P	AC,P5	108	156.4	22.6	1	1,128	26	184.3	180.9	148.1		148.9	119.8
Specialty	4383GENVT3P	VT3P	AC,P5V	105	156.3	22.3	1	1,128	25	189.4	165.3	147.3		163.1	116.3
Buckeye Stine	RR8606VT3 GC 9731VT3Pro	VT3 VT3P	AC,P2 AC,P2	108 110	155.8 155.4	22.3 22.5	1	1,125 1,121	27 28	178.1 193.6	171.8 172.5	153.8 151.2		<u>145.9</u> 145.6	<u>129.5</u> 114.1
Stine	9529VT3Pro	VT3P	AC,P2	107	155.0	22.3	1	1,121	20	180.9	172.5	146.9		145.0	121.6
Stine	9728EVT3Pro	VT3P	AC,P2	109	154.6	22.5	1	1,115	30	184.9	178.1	153.4		140.0	116.6
Steyer	10603GENSS RIB	STX-R	MQ,C2	106	154.2	22.4	1	1,113	31	183.9	160.7	154.1		154.9	117.4
Pioneer	P1184AM1 CK	AM1,RR2	MQ,P1V	111	161.4	22.5	1	1,164	8	203.2	169.6	139.2		162.4	132.8
Test Average = LSD (0.10) =					157.9 8.9	22.5 ns	1 ns	1,139		190.6 20.3	172.8 18.2	149.8 14.8		151.1 15.2	124.9 13.9
FULL-SEASON T	TECT 111 114 Day C	DM			0.0					2010	1012	1 110		1012	1010
	1631 111-114 Day 0	KIVI											Top 3	30 of 36 t	tested
Stewart			AC.P5V	113	170.2	22.9	2	1.226	1	221.9	208.1	163.2	Top 3	30 of 36 1 124.9	
Stewart Steyer	8V663 11203-3000GT	VT3P 3000GT	AC,P5V MQ,C2	113 112	170.2 166.7	22.9 22.7	2 2	1,226 1,202	1 2	221.9 206.9	208.1 192.8	163.2 167.9	Top	124.9 119.3	tested 132.7 146.8
Steyer NK Brand	8V663 11203-3000GT N74R-3000GT GC	VT3P 3000GT 3000GT	MQ,C2 CE,C2	112 114	166.7 166.3	22.7 23.0	2	1,202 1,197	2	206.9 205.0	192.8 197.9	167.9 162.7	Top (124.9 119.3 133.3	132.7 146.8 132.5
Steyer NK Brand Ebberts	8V663 11203-3000GT N74R-3000GT GC 6292VT2P	VT3P 3000GT 3000GT VT2P	MQ,C2 CE,C2 AC,P5	112 114 112	166.7 166.3 163.8	22.7 23.0 22.7	2 2 2	1,202 1,197 1,181	2 3 4	206.9 205.0 200.0	192.8 197.9 189.9	167.9 162.7 166.4	Top 3	124.9 119.3 133.3 126.9	132.7 146.8 132.5 136.0
Steyer NK Brand Ebberts Stewart	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776	VT3P 3000GT 3000GT VT2P VT3P	MQ,C2 CE,C2 AC,P5 AC,P5V	112 114 112 111	166.7 166.3 163.8 163.3	22.7 23.0 22.7 22.9	2 2 2 2	1,202 1,197 1,181 1,176	2 3 4 5	206.9 205.0 200.0 203.7	192.8 197.9 189.9 183.8	167.9 162.7 166.4 160.0	Top 3	124.9 119.3 133.3 126.9 132.5	132.7 146.8 132.5 136.0 136.3
Steyer NK Brand Ebberts Stewart Ebberts	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P	VT3P 3000GT 3000GT VT2P VT3P VT3P	MQ,C2 CE,C2 AC,P5 AC,P5V AC,P5V	112 114 112 111 112	166.7 166.3 163.8 163.3 162.9	22.7 23.0 22.7 22.9 23.1	2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173	2 3 4 5 6	206.9 205.0 200.0 203.7 217.5	192.8 197.9 189.9 183.8 198.9	167.9 162.7 166.4 160.0 158.3	Top :	124.9 119.3 133.3 126.9 132.5 117.5	132.7 146.8 132.5 136.0 136.3 122.2
Steyer NK Brand Ebberts Stewart	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R	MQ,C2 CE,C2 AC,P5 AC,P5V	112 114 112 111	166.7 166.3 163.8 163.3	22.7 23.0 22.7 22.9	2 2 2 2	1,202 1,197 1,181 1,176	2 3 4 5	206.9 205.0 200.0 203.7	192.8 197.9 189.9 183.8	167.9 162.7 166.4 160.0	Top :	124.9 119.3 133.3 126.9 132.5	132.7 146.8 132.5 136.0 136.3
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R VT3P	MQ,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V	112 114 112 111 112 111 112 111 112 111	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.8 22.7	2 2 2 2 2 2 2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173 1,172 1,168 1,164	2 3 4 5 6 7 8 9	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2	192.8197.9189.9183.8198.9185.3196.8171.3	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5	Top :	124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R VT3P STX	MQ,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V AVC,C2	112 114 112 111 112 111 112 111 112 111 113	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173 1,172 1,168 1,164 1,162	2 3 4 5 6 7 8 9 10	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2	Top :	124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R VT3P STX VT3	MQ,C2 CE,C2 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V	112 114 112 111 112 111 112 111 112 111 113 113	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173 1,172 1,168 1,164 1,162 1,161	2 3 4 5 6 7 8 9 10 11	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1	Top :	124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R VT3P STX VT3P STX VT3 VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V AC,P5V	112 114 112 111 112 111 112 111 112 111 112 111 112 111 112 111 113 114	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173 1,172 1,168 1,164 1,162 1,161 1,156	2 3 4 5 6 7 8 9 10 11 12	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3	VT3P 3000GT 3000GT VT2P VT3P VT3P VT3P STX-R VT3P STX VT3	MQ,C2 CE,C2 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V	112 114 112 111 112 111 112 111 112 111 113 113	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,202 1,197 1,181 1,176 1,173 1,172 1,168 1,164 1,162 1,161	2 3 4 5 6 7 8 9 10 11	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX-R VT3P STX-R VT3P STX-R HXT,RR2 VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	112 114 112 111 112 111 112 111 112 111 112 111 112 111 113 114 113 114 113 111 113	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 23.0 22.7 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6 158.8 157.3 154.9		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 132.5 132.5 132.5 132.5 127.5	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 126.0
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Stine Specialty	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3P STX VT3 VT3P STX-R HXT,RR2 VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	112 114 112 111 112 111 112 111 112 111 112 111 113 114 113 114 113 111 113 111	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 23.0 22.7 22.8 23.1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,149\end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 127.5 127.5	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 126.0 144.3
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3P STX VT3P STX-R HXT,RR2 VT3P STX-R HXT,RR2	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5V AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P2 AC,P5V AC,P2 AC,P5V AC,C2	112 114 112 111 112 111 112 111 113 114 113 111 113 111 113 111 113 111 113 111 113 111 113 111 113 111 113 111	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 160.0 159.9 159.5 159.3	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 23.0 22.7 23.0 22.7 22.8 22.8 22.9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,156\\ 1,155\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17	206.9 205.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.8 157.3 154.9 163.9 153.6	Lost to Drought	124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 128.8 126.0 144.3 131.2
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3P STX VT3P STX-R HXT,RR2 VT3P VT3P STX-R HXT,RR2 VT3P HXT,RR2 VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P2 AC,P5V AC,P2 AC,P5V AC,P2 AC,P5V AC,P2 AC,P5	112 114 112 111 112 111 112 111 113 114 113 114 113 114 113 114 113 114 113 111 113 111 113 111 112	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.0 159.9 159.5 159.3 159.2	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.7 22.8 22.7 22.8 22.9 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18	206.9 205.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2	192.8 197.9 189.9 183.8 198.9 185.3 196.8 204.6 192.8 202.5 188.7 195.9 194.0 186.3	167.9 162.7 166.4 160.0 158.3 166.8 153.5 150.2 158.1 158.6 157.3 154.9 163.6 153.6		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 179.7 119.7	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 126.0 144.3 131.2 116.4
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3P STX VT3P STX-R HXT,RR2 VT3P STX-R HXT,RR2	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5V AC,P5 AC,P2 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P2 AC,P5V AC,P2 AC,P5V AC,C2	112 114 112 111 112 111 112 111 113 114 113 111 113 111 113 111 113 111 113 111 113 111 113 111 113 111 113 111	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 160.0 159.9 159.5 159.3	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 23.0 22.7 23.0 22.7 22.8 22.8 22.9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,146\end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17	206.9 205.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.8 157.3 154.9 163.9 153.6		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 132.5 132.5 137.1 119.7 119.7 119.7 119.3 133.3 127.2	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 128.8 126.0 144.3 131.2
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PR0	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX. VT3P STX-R HXT,RR2 VT3P HXT,RR2 VT3P HXT,RR2 VT3P HXT,RR2 VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5	112 114 112 111 112 111 112 111 112 111 113 114 113 114 113 114 113 114 113 111 113 111 113 111 113 111	166.7 166.3 163.8 163.8 162.9 162.7 162.1 161.5 161.4 161.6 160.0 159.9 159.5 159.5 159.5 159.2 159.2 159.2 159.2	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.8 22.9 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 186.0 187.4	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 188.0 194.0 186.3 188.0 194.7 196.2	167.9 162.7 166.4 160.0 158.3 166.8 153.5 150.2 158.1 158.6 157.3 154.9 163.9 153.6 150.9 161.7 161.2 156.9		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 179.7 119.7	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 126.0 144.3 131.2 116.4 125.9 128.3
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Steyer Doeblers	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX-R VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 112 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \end{array}$	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5 159.5 159.3 159.2 159.2 159.2 159.2 158.7 158.2 158.2	22.7 23.0 22.7 22.9 23.1 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.7 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{r} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,155\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,147\\ 1,144\\ 1,143\\ 1,140\\ 1,135\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 188.4 209.2 191.8 188.4 209.2 191.8	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0 186.3 184.0 186.3 184.7 195.2 182.6	167.9 162.7 166.4 160.0 158.3 166.5 153.5 176.5 150.2 158.1 158.6 157.3 154.9 163.9 161.2 165.9 152.1		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1 133.3 127.2 125.9 122.1 117.6	132.7 146.8 132.5 136.0 136.3 122.2 133.00 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 131.2 116.4 125.9 128.3 128.3 128.3 128.3 128.4 126.1 125.5 129.4 126.1 128.8 126.1 128.8 128.5 129.4 128.8 128.5 129.4 128.1 128.8 128.5 129.4 128.1 128.8 128.5 129.4 128.1 128.1 128.8 128.5 129.4 128.1 128.5 129.4 128.5 129.4 128.1 128.5 129.4 128.8 128.5 129.4 128.5 129.4 128.5 129.4 128.8 128.5 129.4 128.8 128.5 129.4 128.8 128.5 129.4 128.8 128.6 128.8 128.3 128.8 128.5 129.4 128.8 128.8 128.5 129.4 128.8 128.
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Steyer Doeblers Channel	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3 VT3 VT3P STX VT3 VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AVC,C2 AC,P5 AC,P5V AVC,C2 AC,P5 AC,P5V AVC,C2 AC,P5 M0,C2 M0,C2 M0,P1V AC,P5V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 112 \\ 113 \\ 111 \\ 112 \\ \end{array}$	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5 159.5 159.3 159.2 159.0 158.7 158.7 158.7 157.4	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,146\\ 1,143\\ 1,140\\ 1,135\\ 1,134\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 14 13 15 16 17 18 19 20 21 22 23	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 186.4 205.9 187.4 205.9 183.6	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0 186.3 188.0 194.0 186.3 188.0 194.2 182.6 192.2	167.9 162.7 166.4 160.0 158.3 166.8 153.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9 153.6 150.9 161.7 161.7 161.2 156.9 152.1 156.7		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1 133.3 127.2 125.9 122.1 117.6	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 131.2 116.4 125.9 128.6 127.1
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Steyer Doeblers Channel G2 Genetics	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX VT3P STX VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P STX STX VT3P STX VT3P STX VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V M0,C2 M0,C2 M0,P1V AC,P5V M0,R,P1V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 114 \\ 112 \\ 113 \\ 111 \\ 111 \\ 112 \\$	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5 159.5 159.5 159.3 159.2 159.0 158.7 158.2 157.3 156.6	22.7 23.0 22.7 22.9 23.1 22.8 22.7 23.0 22.8 23.1 23.0 22.8 23.1 23.0 22.8 22.8 22.8 22.8 22.8 22.8 22.8 22	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,173\\ 1,173\\ 1,176\\ 1,168\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,146\\ 1,143\\ 1,140\\ 1,134\\ 1,128\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19 20 21 22 23 24	206.9 205.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 186.0 187.4 205.9 206.5 182.6 198.4 209.2 191.8 185.6 191.1	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0 186.3 188.0 194.7 196.2 182.6 192.2 177.5	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9 163.9 163.9 161.7 161.2 156.2 155.1 156.7 166.2		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 137.1 119.7 119.1 133.3 127.2 125.9 122.1 117.6 127.1 117.6	132.7 146.8 132.5 136.0 136.3 122.2 1330.5 129.4 128.1 126.1 134.0 128.8 128.8 126.0 144.3 131.2 116.4 126.1 125.9 128.3 128.8 128.6 127.1 128.8
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Steyer Doeblers Channel G2 Genetics LG Seeds	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX-R HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5 AC,P5V AC,C2 AC,P5V AC,P5V AC,F5V AC,F5V AC,F5V AC,P5V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 114 \\ 112 \\ 113 \\ 111 \\ 114 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 114 \\ 114 \\ 114 \\ 114 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 114 \\ 114 \\ 114 \\ 114 \\ 115 \\ 111 \\$	$\begin{array}{c} 166.7\\ 166.3\\ 163.8\\ 163.8\\ 163.3\\ 162.9\\ 162.7\\ 162.1\\ 161.5\\ 161.4\\ 161.1\\ 160.6\\ 160.0\\ 159.9\\ 159.5\\ 159.5\\ 159.5\\ 159.3\\ 159.2\\ 159.0\\ 158.7\\ 158.2\\ 159.0\\ 158.7\\ 158.2\\ 157.4\\ 157.3\\ 156.6\\ 156.5\\ \end{array}$	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 22.8 22.3 23.0 22.7 22.8 22.8 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,149\\ 1,149\\ 1,147\\ 1,146\\ 1,143\\ 1,140\\ 1,135\\ 1,135\\ 1,128\\ 1,127\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 14 13 15 16 17 18 19 20 21 22 23	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 186.0 187.4 205.9 183.6 191.1 199.9	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 188.0 194.7 196.2 182.6 192.2 177.5 181.6	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9 153.6 150.9 161.7 161.2 156.9 152.1 156.9 152.1 166.7 160.0 164.0		124.9 119.3 133.3 126.9 132.5 134.0 118.2 138.3 122.1 127.5 132.5 132.5 132.5 137.1 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 119.7 125.9 122.1 117.6 127.6 127.6 127.6 125.9 122.1 117.6 125.9 122.1 117.6 125.9 122.1 117.5 123.5 125.5 127.	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 131.2 15 .4 126.1 134.0 128.8 126.0 144.3 131.2 16 .4 126.1 134.0 128.8 128.8 126.1 134.0 128.8 126.1 134.0 128.8 126.1 134.0 128.8 126.1 134.0 128.8 126.1 134.0 128.8 126.0 144.3 131.2 116.4 126.1 134.0 131.2 116.4 126.1 134.0 128.8 126.0 131.2 136.1 131.2 136.1 131.2 136.2 131.2 136.1 131.2 136.2 131.2 136.1 136.2 131.2 136.3 131.2 136.3 131.2 136.3 131.2 136.3 131.2 136.3 131.2 136.4 136.2 136.2 137.2 136.4 137.2 136.4 137.2 136.4 137.2 136.4 137.2 136.2 137.2 136.2 137.2 136.2 137.2 136.2 137.2 136.2 137.2 136.2 137.2 136.2 137.2 136.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2 137.2
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Steyer Doeblers Channel G2 Genetics	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^ LG2636VT3Pro	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX-R VT3P STX-R HXT,RR2 VT3P HXT,RR2 VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5V AC,P5 AC,P5 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V M0,C2 M0,C2 M0,R,P1V AC,P5V AC,P5V AC,P5V AC,P5V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 114 \\ 112 \\ 113 \\ 111 \\ 111 \\ 112 \\$	166.7 166.3 163.8 163.3 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5 159.5 159.5 159.3 159.2 159.0 158.7 158.2 157.3 156.6	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.9 22.8 22.8 22.8 22.8 22.7 22.6 22.7 22.6 22.7 22.8 22.8 22.7 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,173\\ 1,173\\ 1,176\\ 1,168\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,146\\ 1,143\\ 1,140\\ 1,134\\ 1,128\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19 20 21 22 23 24 25	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.4 205.9 183.6 191.1 199.9 183.6 191.1	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.9 194.0 186.3 188.0 194.7 196.2 182.6 192.2 177.5	167.9 162.7 166.4 160.0 158.3 166.8 153.5 176.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9 163.9 163.9 161.7 161.2 156.2 155.1 156.7 166.2		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 137.1 119.7 119.1 133.3 127.2 125.9 122.1 117.6 127.1 117.6	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 128.8 128.0 144.3 131.2 116.4 126.1 125.9 128.3 128.3 128.6 127.1 128.8
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Doeblers Channel G2 Genetics LG Seeds Channel LG Seeds Channel LG Seeds Channel LG Seeds Steyer	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^ LG2636VT3Pro 211-99VT3P LG2602VT3Pro 11207VT3PRO	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX-R VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V M0,C2 M0,R,P1V AC,P5V	$\begin{array}{c} 112\\ 114\\ 112\\ 111\\ 112\\ 111\\ 112\\ 111\\ 112\\ 111\\ 113\\ 113$	166.7 166.3 163.8 163.8 162.9 162.7 162.1 161.5 161.4 161.1 160.6 160.0 159.9 159.5 159.5 159.3 159.2 159.2 159.2 159.2 159.2 159.2 159.2 159.2 159.5 159.3 159.2 159.5 159.3 159.2 159.5 159.3 159.5 159.3 159.5 159.5 159.3 159.5 156.5 156.5 156.3 156.3 155.8 155.8	22.7 23.0 22.7 22.9 23.1 22.8 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.9 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{r} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,155\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,147\\ 1,143\\ 1,140\\ 1,135\\ 1,134\\ 1,128\\ 1,127\\ 1,126\\ 1,126\\ 1,122\\ 1,122\end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 9 20 21 22 23 24 25 26 27 30	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 188.6 198.4 205.9 183.6 191.1 199.9 183.6 191.1 199.9 190.3 190.0 190.2	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 188.6 194.0 186.3 188.0 194.1 186.2 194.0 186.3 188.0 194.7 196.2 182.6 192.2 177.5 181.6 181.5 180.3 179.5	167.9 162.7 166.4 160.0 158.3 166.8 153.5 150.2 158.1 158.6 158.8 157.3 154.9 163.9 163.9 163.9 163.9 163.9 163.9 163.7 161.2 156.9 161.2 156.9 152.1 156.7 160.0 157.5 153.3 152.5		124.9 119.3 133.3 126.9 132.5 117.5 123.5 134.0 118.2 138.3 122.1 127.5 137.1 119.7 137.1 119.7 137.1 119.7 137.1 119.7 137.2 127.9 122.1 117.6 127.1 125.4 116.3 118.4 121.1 131.0	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 126.0 144.3 126.1 125.9 128.8 126.0 144.3 128.8 126.0 144.3 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.6 127.1 128.8 130.5 129.4 126.1 128.8 126.0 144.3 128.5 129.4 128.8 126.0 144.3 128.5 129.4 128.8 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 138.6 125.9 128.8 138.6 125.9 128.8 138.6 125.9 128.8 138.6 125.9 128.8 138.6 125.8 136.6 125.8 128.8 136.0 128.8 138.8 138.6 125.8 125.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 125.8 126.8 126.8 125.8 126.8 12
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Doeblers Channel G2 Genetics LG Seeds Channel LG Seeds Steyer Specialty	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^ LG2602VT3Pro 211-99VT3P LG2602VT3Pro 211-99VT3P LG2602VT3Pro 11207VT3PRO	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX-R VT3P STX VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V M0,C2 M0,P1V AC,P5V M0,R,P1V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	$\begin{array}{c} 112\\ 114\\ 112\\ 111\\ 112\\ 111\\ 112\\ 111\\ 113\\ 113$	166.7 166.3 163.8 163.3 162.9 162.1 161.5 161.4 161.1 160.6 169.9 159.5 159.5 159.5 159.7 158.7 158.7 156.6 156.5 156.3 155.8 155.7	22.7 23.0 22.7 22.9 23.1 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,155\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,144\\ 1,143\\ 1,140\\ 1,135\\ 1,134\\ 1,128\\ 1,127\\ 1,126\\ 1,122\\ 1,$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19 20 21 22 23 24 25 26 27 30 29	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 182.6 198.4 209.2 191.8 182.6 198.4 209.2 191.8 183.6 191.1 199.9 190.3 190.0 190.2 181.9	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 194.0 186.3 194.0 186.3 194.0 186.3 188.0 194.2 182.6 192.2 177.5 181.6 181.5 170.5 169.1	$\begin{array}{c} 167.9\\ 162.7\\ 166.4\\ 160.0\\ 158.3\\ 166.8\\ 153.5\\ 176.5\\ 150.2\\ 158.1\\ 158.6\\ 157.3\\ 158.6\\ 157.3\\ 154.9\\ 163.9\\ 163.9\\ 163.9\\ 163.9\\ 163.9\\ 152.1\\ 156.7\\ 161.2\\ 156.7\\ 160.0\\ 164.0\\ 157.5\\ 153.3\\ 152.5\\ 161.8\\ \end{array}$		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1 133.3 127.2 127.2 127.2 127.1 117.6 127.1 125.4 116.3 118.4 121.1 131.0 132.3	132.7 146.8 132.5 136.0 136.3 122.2 133.0 130.5 129.4 128.1 126.1 134.0 128.8 126.0 144.3 131.2 116.4 125.9 128.3 128.6 127.1 128.8 128.6 127.1 128.8 128.5 129.4 125.5 133.0 129.4 125.5 133.5 133.5 129.4 129.4 128.7 129.5 129.4 125.9 129.5 129.4 125.9 129.5
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Channel G2 Genetics LG Seeds Channel G2 Genetics LG Seeds Channel LG Seeds Steyer Specialty G2 Genetics	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^ LG2636VT3Pro 211-99VT3P LG2602VT3Pro 211-99VT3P LG2602VT3Pro 211-99VT3P LG2602VT3Pro 211-99VT3P	VT3P 3000GT 3000GT VT2P VT3P STX-R VT3P STX-R VT3P STX VT3 VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AC,P5V AVC,C2 AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AVC,C2 AC,P5 AC,P5V M0,C2 M0,C2 M0,P1V AC,P5V M0,R,P1V AC,P5V M0,C2 AC,P5V M0,C2 M0,R,P1V	$\begin{array}{c} 112 \\ 114 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 112 \\ 111 \\ 113 \\ 113 \\ 111 \\ 113 \\ 111 \\ 113 \\ 111 \\ 114 \\ 112 \\ 113 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 111 \\ 112 \\ 112 \\ 113 \\ 114 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 112 \\ 113 \\ 113 \\ 113 \\ 113 \\ 113 \\ 111 \\ 112 \\ 112 \\ 112 \\ 112 \\ 113 \\$	$\begin{array}{c} 166.7\\ 166.3\\ 163.8\\ 163.3\\ 162.9\\ 162.7\\ 162.1\\ 161.5\\ 161.4\\ 161.1\\ 160.6\\ 160.0\\ 159.9\\ 159.5\\ 159.5\\ 159.5\\ 159.5\\ 159.5\\ 159.3\\ 159.2\\ 159.0\\ 158.2\\ 157.4\\ 157.3\\ 156.6\\ 156.5\\ 156.3\\ 156.3\\ 155.7\\ 155.3\\ \end{array}$	22.7 23.0 22.7 22.9 23.1 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,152\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,147\\ 1,144\\ 1,143\\ 1,144\\ 1,128\\ 1,127\\ 1,126\\ 1,122\\ 1,122\\ 1,119\\ \end{array}$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19 20 21 22 23 24 25 26 27 30 29 31	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 186.4 209.2 191.8 186.4 205.9 183.6 191.1 199.9 190.3 190.0 190.2 181.9 190.2	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 194.0 186.3 194.0 186.3 194.0 186.3 194.0 186.3 188.0 194.2 182.6 192.2 177.5 181.6 181.5 180.3 179.5 169.1 176.4	$\begin{array}{r} 167.9\\ 162.7\\ 166.4\\ 160.0\\ 158.3\\ 166.8\\ 153.5\\ 176.5\\ 150.2\\ 158.1\\ 158.6\\ 158.8\\ 157.3\\ 154.9\\ 163.9\\ 153.6\\ 150.9\\ 161.7\\ 161.9\\ 152.1\\ 156.7\\ 161.2\\ 156.7\\ 160.0\\ 164.0\\ 157.5\\ 153.3\\ 152.5\\ 161.8\\ 168.6\\ \end{array}$		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1 133.3 127.2 125.9 122.1 117.6 127.1 125.4 116.3 118.4 125.4 116.3 118.4 121.1 131.0 132.3 126.7	132.7 146.8 132.5 136.0 136.3 122.2 1330.5 129.4 128.1 126.1 134.0 128.8 128.8 126.0 144.3 131.2 116.4 125.9 128.8 131.2 116.4 125.9 128.8 127.1 128.8 128.8 127.1 128.8 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.8 128.6 127.1 128.8 128.8 128.8 128.8 128.6 127.1 128.8 133.8 133.8 133.2 128.8 133.2 128.8 133.2 128.8 128.
Steyer NK Brand Ebberts Stewart Ebberts Ebberts Stewart Specialty Mycogen Great Lakes Channel Specialty Mycogen Stine Specialty Mycogen Ebberts LG Seeds Steyer Doeblers Channel G2 Genetics LG Seeds Channel LG Seeds Steyer Specialty	8V663 11203-3000GT N74R-3000GT GC 6292VT2P 7V776 7712VT3P 7861VT3P 8A228RIB 4644GENVT3P 2P768 GC 6354G3VT3 214-14VT3P 87R10GENSSRIB 2V715 GC 9733VT3Pro 8656GENVT3P 2A787 GC 7222VT3P LG2620VT3 11407VT3PRO 11302VT3PRO RPM 647AM1^ 212-09STX 5Z-1205^ LG2602VT3Pro 211-99VT3P LG2602VT3Pro 211-99VT3P LG2602VT3Pro 11207VT3PRO	VT3P 3000GT 3000GT VT2P VT3P VT3P STX-R VT3P STX-R VT3P STX VT3P STX-R HXT,RR2 VT3P VT3P HXT,RR2 VT3P VT3P VT3P VT3P VT3P VT3P VT3P VT3P	M0,C2 CE,C2 AC,P5 AC,P5V AC,P5 AC,P5 AC,P5 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V AVC,C2 AC,P5V M0,C2 M0,P1V AC,P5V M0,R,P1V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V AC,P5V	$\begin{array}{c} 112\\ 114\\ 112\\ 111\\ 112\\ 111\\ 112\\ 111\\ 113\\ 113$	166.7 166.3 163.8 163.3 162.9 162.1 161.5 161.4 161.1 160.6 169.9 159.5 159.5 159.5 159.7 158.7 158.2 157.4 156.5 156.3 155.8 155.8 155.7	22.7 23.0 22.7 22.9 23.1 22.8 22.7 23.0 22.8 23.1 23.0 22.7 22.8 22.8 22.8 22.8 22.8 22.8 22.8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	$\begin{array}{c} 1,202\\ 1,197\\ 1,181\\ 1,176\\ 1,173\\ 1,172\\ 1,168\\ 1,164\\ 1,162\\ 1,161\\ 1,156\\ 1,155\\ 1,153\\ 1,149\\ 1,149\\ 1,147\\ 1,147\\ 1,147\\ 1,144\\ 1,143\\ 1,140\\ 1,135\\ 1,134\\ 1,128\\ 1,127\\ 1,126\\ 1,122\\ 1,$	2 3 4 5 6 7 8 9 10 11 12 14 13 15 16 17 18 19 20 21 22 23 24 25 26 27 30 29	206.9 205.0 200.0 203.7 217.5 205.0 195.7 212.2 185.9 206.5 180.2 191.4 190.2 185.5 182.6 198.4 209.2 191.8 182.6 198.4 209.2 191.8 182.6 198.4 209.2 191.8 183.6 191.1 199.9 190.3 190.0 190.2 181.9	192.8 197.9 189.9 183.8 198.9 185.3 196.8 171.3 204.6 192.8 202.5 188.7 195.9 194.0 186.3 194.0 186.3 194.0 186.3 194.0 186.3 188.0 194.2 182.6 192.2 177.5 181.6 181.5 170.5 169.1	$\begin{array}{c} 167.9\\ 162.7\\ 166.4\\ 160.0\\ 158.3\\ 166.8\\ 153.5\\ 176.5\\ 150.2\\ 158.1\\ 158.6\\ 157.3\\ 158.6\\ 157.3\\ 154.9\\ 163.9\\ 163.9\\ 163.9\\ 163.9\\ 163.9\\ 152.1\\ 156.7\\ 161.2\\ 156.7\\ 160.0\\ 164.0\\ 157.5\\ 153.3\\ 152.5\\ 161.8\\ \end{array}$		124.9 119.3 133.3 126.9 132.5 117.5 134.0 118.2 138.3 122.1 127.5 132.5 127.5 137.1 119.7 119.1 133.3 127.2 127.2 127.2 127.1 117.6 127.1 125.4 116.3 118.4 121.1 131.0 132.3	132.7 146.8 132.5 136.0 136.3 122.2 133.0 129.4 128.1 126.1 134.0 128.8 126.0 144.3 131.2 116.4 125.9 128.3 128.6 127.1 128.8 128.6 127.1 128.8 128.5 129.4 126.1 125.5 133.2 133.2 133.2 133.2 134.0 125.5 135.5 135.5 129.4 125.5 129.4 129.4 125.5 129.4 128.8 126.0 144.3 128.5 129.4 126.1 129.4 126.1 129.4 128.8 126.0 144.3 128.5 129.4 126.1 129.4 126.1 129.4 128.8 133.8 134.8 1

Sponsored by Poncho/VOTiVO from Bayer CropScience 21







Corn Stats: Yield Range: 179.1-213.3 bu. per acre Yield Average: 200.9 bu. per acre Top \$ Per Acre: \$1,588.00

Corn Field Notes: Pennsylvania Central

Rob Kauffman, F.I.R.S.T. Manager

Centre Hall—This was the last corn plot planted (May 25). The site went through some early dry-weather stress in June but this helped the corn root down deep. Rainfall was average for July and August, which made for a good crop. No disease or pests were present to threaten yields. We had good fertility and weed control throughout the plot. The minimal crop stress gave us very good stalk quality with negligible lodging issues. Ear development was very good with kernels filled to the tip. We were able to harvest before the wrath of Hurricane Sandy. Like many years, timing was everything, from when the corn was planted to when the rainfall came to when it was harvested. The overall rating of this plot was 7 out of 10.

Danville—Some slug damage occurred early in the season but with the later May 21 planting date the corn was able to outgrow any of the foliar damage from the feeding slugs. Plenty of rain and heat made an outstanding crop. Although this was not river-bottom ground, it was heavy silt loam soil with good waterholding capacity. The pH level was good and all the fertility levels were above average at this site so the high yield achieved was not a total surprise. The farmer noted that many close fields were averaging anywhere from 200 to 235 bu. per acre. There was no

disease or any fall storms to hurt yields. The overall plot rating was 8 out of 10.

Martinsburg—Excellent test! Corn emergence was very uniform. There were only a few weeks in late June where rainfall was lacking. Despite having deep limestone soils that are more drought-prone, this dry period did not seem to affect yields. No disease was evident throughout the season. Having plants that were a bit shorter than normal did not seem to be a problem, as corn yields were average to above average. Ample rainfall came in July and August to help this crop reach its full yield potential. The overall plot rating was 9 out of 10.

McVeytown—Good uniform emergence and adequate rainfall gave us an excellent crop. Nitrogen sidedressing in-season seemed to help considerably. The nitrogen was needed because some early-summer heavy rains had leached nitrogen out of the root zone. This plot was on riverbottom ground. This high-humid micro-climate is favorable for disease; outbreaks of gray leaf spot and anthracnose were evident but did not cause harvesting problems. The overall plot quality rating was 8 out of 10.

Northumberland—Cool and wet spring soil conditions caused weak emergence for some hybrids. Overall, growing conditions for the summer were excellent. Some heat during pollination put a little stress on the corn but kernel set was excellent and resulted in very good overall yield. Planted on sandy river-bottom ground drainage was not a problem. There was some gray leaf spot and Northern leaf blight evident and susceptible hybrids showed poor plant health, but standability was not affected much. The overall rating of the plot was 8 out of 10.

Ringtown—Heavy rains the day after planting caused some uneven emergence. Plenty of rain and a lack of heat stress made for excellent yields here. Overall plant health was excellent; leaf blights were detected throughout summer. This was the first crop to follow Conservation Reserve Program (CRP) and the only drawback was the appearance of some perennial weeds. Soil insects were controlled with Capture and did not create any problems as has happened in similar situations previously. We completed harvest before Hurricane Sandy's arrival so standability was not a factor. Grain moisture was high but most hybrids did shell off the cob well. It was either "harvest early" or "wait and see which hybrids could withstand a hurricane," so we chose to take the crop off and get excellent yield data. The overall rating for the plot was 8 out of 10.

F.I.R.S.T. Pennsylvania Central Corn Results



Top 30 of 30 tested

ALL-SEASON TEST 99-109 Day CRM

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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	P0210HR	HX,RR2	MQ,C2	102	213.3	19.2	1	1,588	1	192.5	238.1	217.4	193.9	217.9	220.0
Dyna-Gro	D45Q50	3000GT	AC,P2	105	211.6	21.0	0	1,566	2	189.3	235.7	221.5	186.4	212.3	224.4
Doeblers	RPM 609AM1^	AM1,RR2	MQ,P1V	108	211.2	22.0	0	1,558	3	208.3	222.0	215.4	179.6	218.0	223.6
Dekalb	DKC57-50	VT3	AC,P2	107	210.3	22.4	0	1,549	5	184.0	240.4	204.3	186.6	224.1	222.3
TA Seeds	TA565-20	3000GT	MQ,C2	106	209.5	21.2	1	1,549	4	185.3	230.4	224.5	188.4	206.0	222.3
Pioneer	P0891AM1	AM1,RR2	MQ,C2	108	208.4	21.4	0	1,540	6	194.5	226.1	209.1	172.7	219.7	228.3
Doeblers	594GRQ	3000GT	MQ,P1V	107	207.7	21.3	1	1,535	7	169.1	226.9	217.7	192.0	225.3	215.3
TA Seeds	TA583-22DP	VT2P	MQ,C2	108	207.5	21.6	1	1,532	8	187.0	229.0	200.5	193.8	220.9	213.9
Seed Consultants	SCS 10HQ72^	HXT,RR2	MQ,R,P1V	107	205.6	21.7	0	1,518	10	208.1	224.4	195.2	182.3	213.6	209.7
Mycogen	2R602	None	AVC,C2	106	205.2	19.4	1	1,527	9	181.3	226.3	208.8	177.0	227.0	210.9
Seed Consultants	SCS 10HR62^	HX,RR2	MQ,P1V	106	205.2	21.7	2	1,515	11	190.5	204.5	210.7	195.6	217.0	212.9
Hubner	H5333VT3P	VT3P	AC,P2	107	204.4	21.4	0	1,511	12	191.1	240.4	173.6	179.3	208.0	233.8
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	203.4	22.9	2	1,496	16	173.4	227.7	195.7	185.7	221.7	215.9
Dyna-Gro	D49VP88	VT3P	AC,P5V	109	203.3	22.7	0	1,496	15	177.0	222.5	207.0	169.3	221.1	222.6
Hubner	H5368VT3P	VT3P	AC,P5V	106	202.8	20.3	0	1,504	14	192.3	230.2	197.5	171.8	212.5	212.7
Seed Consultants	SCS 10HQ32^	HXT,RR2	MQ,P1V	103	202.6	19.9	2	1,505	13	192.0	225.7	205.3	190.1	200.4	201.8
Seed Consultants	SCS 1073AMX^	AMX,RR2	MQ,C2	108	202.6	23.5	0	1,487	17	185.6	233.4	204.1	166.6	214.6	211.1
Doeblers	RPM 588AMX^	AMX,RR2	MQ,P1V	107	199.1	23.3	2	1,462	20	179.2	222.3	203.4	184.3	206.2	199.3
TA Seeds	TA545-20	3000GT	MQ,C2	104	198.8	20.8	1	1,472	18	193.1	215.2	188.2	179.8	204.8	211.6
FS InVISION	FS 5828VT3P	VT3P	AC,P2	108	198.4	22.5	2	1,461	21	175.7	237.0	193.4	159.8	214.5	209.8
Seed Consultants	SCS 10HQ02^	HXT,RR2	MQ,P1V	100	197.9	19.8	2	1,470	19	189.0	219.0	204.8	165.9	190.6	217.9
Augusta	A5560VT3Pro	VT3P	MQ,C2	109	196.4	22.1	1	1,448	24	166.0	220.5	206.1	162.6	215.9	207.2
Partners Brand	PB 7841CB/LL	CB/LL	CE,C2,Pr	109	196.4	22.4	0	1,447	25	190.1	211.1	203.6	190.9	212.5	170.4
Seed Consultants	SC 10AGT92	GT/CB/LL	MQ,P1V	109	196.3	22.3	1	1,446	26	177.9	211.0	191.6	179.3	209.7	208.1
Mycogen	2K594	STX	AVC,C2	105	196.0	21.0	0	1,450	23	176.1	204.3	198.7	176.7	202.4	217.9
Hubner	H5222VT3	VT3	AC,P2	101	195.9	19.8	1	1,456	22	183.5	211.8	211.8	161.8	196.4	210.3
Seed Consultants	SCS 1081AMX^	AMX,RR2	MQ,C2	108	192.9	23.7	0	1,414	27	182.5	216.1	188.3	180.5	203.1	187.1
Mycogen	2R547	STX	AVC,C2	104	182.7	20.0	2	1,357	29	173.8	205.3	174.8	156.9	192.9	192.2
Dekalb	DKC53-78RIB	STX-R	AC,P2	103	182.6	19.5	2	1,358	28	175.7	198.7	191.8	156.7	181.6	191.0
Augusta	A2854CBLLC	CB/LL	MQ,C2	104	179.1	20.3	1	1,329	30	153.7	187.7	191.3	161.5	188.4	192.2
Test Average =					200.9	21.4	1	1,485		183.9	221.5	201.9	177.6	210.0	210.6
LSD(0.10) =					9.3	0.9	1			15.7	15.3	14.5	10.2	13.8	11.2



This photo was taken after we finished taking stand counts and roto-tilling alleys at this site. Tilling the alley is necessary to eliminate excess corn plants at the beginning and end of plots so as to achieve uniform plot length prior to harvest.

Site Information							20	012 Rain	fall (inch	es)*	
Pennsylvania Cen	itral						Mon	thly		Vs. 30-yea	ar avg.
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylıl	August
Centre Hall	silt loam	minimum	corn, 2+ yr	200	5/25	6.12	2.86	3.45	1.72	-0.46	-1.82
Danville	silt loam	no-till	soybean	215	5/21	7.16	3.93	4.24	3.92	0.79	0.38
Martinsburg	silt loam	no-till	corn	175	4/30	5.98	1.61	4.04	2.93	0.78	-0.08
McVeytown	sandy loam	minimum	corn	200	5/5	7.84	2.35	3.26	4.11	-0.31	0.64
Northumberland	sandy loam	no-till	soybean	185	5/1	6.63	3.59	4.11	3.03	0.66	-0.51
Ringtown	clay loam	no-till	hay	200	5/21	10.57	3.42	3.37	4.04	-0.67	0.29

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.







Corn Stats: Yield Range: 168.4-193.0 bu. per acre Yield Average: 180.9 bu. per acre Top \$ Per Acre: \$1,428.00

Corn Field Notes: Pennsylvania Southeast

Rob Kauffman, F.I.R.S.T. Manager

Elverson—This was the first plot planted (April 19). Most hybrids got off to a good start, but some had more difficulty with the cooler soil temperatures and being no-till planted. Dry and hot conditions in June and early July stressed plants but only affected height in a minimal way. Excellent rains in mid-July and August made an excellent corn yield. Disease pressure was evident but never exploded to really hurt standability or yield. Yields around the plot were averaging close to 225 bu. per acre, according to Dave Mast, F.I.R.S.T. farmer. My overall plot rating was 8 out of 10.

Hanover—Conventional tillage on the Hanover test site allowed for very uniform emergence. A dry and hot late June and early July plus some grass pressure hurt yields before the showers came in July and August. Hybrids were 12" to 18" shorter than average over the years. Ear location was very close to the ground but ear length was good. The number of kernels per row was reduced due to the early-season stress. Plot quality rating was 7 out of 10

Kutztown—The Kutztown test plot F.I.R.S.T. farmer, Jon Stutzman, had excellent emergence and nice rains in July and August that produced very good yields. Corn yields around the plot were averaging over 200 bu. per acre before Hurricane Sandy's wrath fell upon the area. The only stress was a hot and dry June and some gray leaf spot and Northern corn leaf blight diseases. Fortunately, disease pressure was light enough to only affect appearance but not lodging. Overall I would rate this test plot an 8 out of 10.

Lancaster—Heavy rains the day after planting, in addition to the slugs that found their way into this test plot, caused the stand to become variable. This plot and that of Spring Grove, which were planted the same day and had very similar emergence problems, proved that maybe parking the planter when rain is in the forecast is a good idea. Since planting dates were running a little late and the amount of rain expected was not great we chose to plant rather than wait, but as they say, "Hindsight is 20/20." A hot and dry late June stressed many hybrids, but late-July and August rains allowed for good pollination and kernel depth. However, due to the stress throughout the growing season, Northern corn leaf blight and anthracnose took its toll on plant health. My overall rating for the plot was 6 out of 10.

Lebanon—The Lebanon test site experienced an excellent emergence after being planted into conventional tilled soil and having a good rainfall in May and early June. Early vigor throughout the entire



The Lancaster, Pa. location, previously planted with corn, did experience some emergence problems due to rain at the time of planting.

F.I.R.S.T. Pennsylvania Southeast Corn Results



Top 30 of 42 tested

ALL-SEASON TEST 105-115 Day CRM

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
Augusta	A0606GTCBLLC	GT/CB/LL	MQ,C2	111	193.0	24.1	0	1,413	3	221.3	136.8	201.8	173.7	193.0	231.6
Augusta	A5462GT3000	3000GT	MQ,C2	112	192.6	22.4	0	1,419	2	204.5	126.0	220.0	160.6	207.7	236.8
Augusta	A0720GTCBLLC	GT/CB/LL	MQ,C2	112	191.2	22.4	1	1,408	4	213.8	126.5	219.8	169.9	188.3	228.6
Pioneer	P0210HR	HX,RR2	MQ,C2	102	191.1	18.1	1	1,428	1	202.8	136.7	224.9	168.4	186.0	227.5
Augusta	A5461GTCBLLC	GT/CB/LL	MQ,C2	111	190.7	21.7	1	1,408	5	208.1	127.1	223.5	165.1	199.6	220.8
Doeblers	RPM 647AM1^	AM1,RR2	MQ,P1V	111	189.3	21.2	2	1,400	6	194.6	116.0	221.2	154.3	214.7	234.7
TA Seeds	TA683-22DP	VT2P	MQ,C2	112	188.6	20.6	1	1,398	7	198.4	133.4	222.9	171.2	183.2	222.7
Hubner	H6644RCSS	STX-R	AC,P2	112	188.3	22.5	0	1,386	9	187.2	142.8	208.2	160.8	202.0	228.7
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	187.9	20.1	1	1,395	8	220.9	122.9	209.8	166.1	205.0	202.4
Mid-Atlantic Seed	MA8127VT3P	VT3P	AC,P2	112	186.3	21.8	1	1,375	10	215.9	113.6	211.9	169.9	197.2	209.5
FS InVISION	FS 6329VT3P	VT3P	AC,P2	113	185.1	22.5	0	1,363	13	200.8	125.0	222.3	164.6	203.4	194.7
Dyna-Gro	D53VP61	VT3P	AC,P2	113	184.5	20.3	0	1,369	12	198.6	131.0	211.6	165.4	187.6	212.5
NK Brand	N72A-3111	3111	CE,C2	112	184.0	22.2	0	1,356	15	199.8	116.3	211.8	166.9	191.4	217.9
Mycogen	2V715	HXT,RR2	AVC,C2	111	183.8	19.1	2	1,369	11	175.4	126.7	209.7	155.8	210.6	224.5
Doeblers	RPM 609AM1^	AM1,RR2	MQ,P1V	108	182.7	19.2	0	1,360	14	199.4	119.8	222.2	158.7	210.8	185.2
Mid-Atlantic Seed	MA8102VT3P	VT3P	AC,P2	110	182.7	22.0	1	1,347	17	192.8	127.2	210.4	159.3	194.1	212.5
Seed Consultants	SC 10AGT92	GT/CB/LL	MQ,P1V	109	182.6	20.1	1	1,355	16	201.9	128.0	208.9	157.2	182.8	216.6
Seed Consultants	SCS 11HQ42^	HXT,RR2	MQ,P1V	114	181.9	23.0	0	1,337	21	179.9	129.6	218.7	140.1	192.9	230.0
Mid-Atlantic Seed	MA8109VT3P	VT3P	AC,P2	109	181.7	21.9	1	1,341	19	206.8	104.4	209.1	165.3	194.9	209.5
Seed Consultants	SCS 11HR21^	HX,RR2	MQ,P1V	112	181.7	22.2	0	1,339	20	182.6	128.3	215.0	169.8	185.8	208.6
Hubner	H5333VT3P	VT3P	AC,P2	107	180.7	19.1	0	1,346	18	186.9	122.0	215.7	174.0	191.6	194.1
TA Seeds	TA753-22DP	VT2P	MQ,C2	114	180.2	22.4	2	1,327	22	176.6	116.4	215.9	143.2	211.9	216.9
Dyna-Gro	D54VP81	VT3P	AC,P2	114	179.7	22.0	1	1,325	24	194.6	117.1	216.4	163.5	181.6	205.0
Dyna-Gro	D52VP20	VT3P	AC,P2	112	179.6	21.9	1	1,325	25	192.7	126.3	203.9	156.7	195.3	202.7
FS InVISION	FS 6321VT3P	VT3P	AC,P2	113	179.0	21.9	1	1,321	26	187.2	124.6	228.3	147.8	196.8	189.2
Mycogen	2V707	STX	AVC,C2	110	178.3	19.3	4	1,327	23	187.1	122.1	212.5	143.6	191.3	213.0
Seed Consultants	SCS 11HR12^	HX,RR2	MQ,P1V	111	178.3	21.9	0	1,315	27	172.6	128.5	212.7	150.2	180.9	225.0
Hubner	H4600RC2P	VT2P-R	AC,P5V	112	178.2	23.2	1	1,309	29	185.6	131.7	197.2	156.7	195.0	202.8
Dekalb	DKC62-54	VT3	AC,P2	112	177.0	21.5	1	1,308	30	178.3	118.8	234.8	163.0	173.3	193.5
TA Seeds	TA647-22DP	VT2P	MQ,C2	111	176.6	20.5	1	1,309	28	167.3	114.2	210.5	159.7	192.8	215.1
Test Average =					180.9	21.8	1	1,335		191.4	122.6	213.4	156.5	191.7	209.9
LSD(0.10) =					10.8	1.0	1			19.1	14.1	13.1	16.4	19.9	23.0

plot was above average. Most corn hybrids were reaching 36" by mid-July. The only dry-weather stress was the last week of June and first week of July. Rainfall was average or above for most of the summer. With good silt loam soils and fertility levels also good, this was an excellent plot to see some high yields. There was no disease or storms to test standability before harvest; therefore, yields came in

higher than average. I rated the plot 8 out of 10.

Spring Grove—Wet planting conditions and heavy rains after planting caused uneven emergence at the Spring Grove test site. Certain portions laid wet for over a week after planting. Although no plots were lost, there was more variability in populations here than in all other plots. This plot did not experience any stress after the

first few weeks. Rainfall came on a regular pattern and plant health and standability were excellent. Many farmers in the Spring Grove area were experiencing both good and bad corn yields, with planting date making the most difference. Early-planted corn did not fare as well; slugs and wet, heavy soils held back those fields. Because of the emergence issues, I rated plot quality at a 6 out of 10.

Site Information	l i i i i i i i i i i i i i i i i i i i						20	012 Rain	fall (inch	es)*	
Pennsylvania So	outheast						Mon	thly		Vs. 30-yea	ar avg.
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	yııl	August
Elverson	silt loam	no-till	soybean	195	4/19	3.32	3.77	3.37	3.64	-1.59	-0.16
Hanover	silty clay loam	conventional	soybean	170	5/18	4.18	2.73	4.38	4.47	0.45	0.69
Kutztown	silt loam	no-till	pumpkin	225	5/19	5.14	3.38	3.34	3.33	-1.18	-0.77
Lancaster	silty clay loam	no-till	corn	175	5/12	3.11	5.04	3.04	3.00	-1.40	-0.42
Lebanon	silt loam	minimum	corn	175	5/19	4.73	3.42	3.45	3.96	-1.11	0.32
Spring Grove	silty clay loam	no-till	dry bean	245	5/7	3.98	3.60	4.34	4.52	0.52	0.92

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.







Corn Stats: Yield Range: 173.8-203.1 bu. per acre Yield Average: 190.8 bu. per acre Top \$ Per Acre: \$1,516.10

Corn Field Notes: Delaware Maryland North

Rob Kauffman, F.I.R.S.T. Manager

Bridgeville—Excellent emergence and no storm damage allowed for top yields here at the Bridgeville test site. This summer was hot and dry but an irrigation system helped pull the crop through the stress. Putting on 1" to 2" of water per week kept this plot growing through July and August. Most non-irrigated corn yields averaged around 50 to 75 bu. per acre. I would rate this plot an 8 out of 10 in quality. Ken Arney is the F.I.R.S.T. farmer for this test plot that was able to produce an average yield of 216.3 bu. per acre.

Chestertown—Late planting helped this Kent County test plot through the June and early-July heat and dry weather. Corn rooted down and took advantage of late-July and August rains, which helped it produce a yield averaging 176.3 bu. per acre. High organic matter and a good manure history also aided in getting these good yields for the year. No problems with disease or pest control were noticed on this plot. In general, stalk quality and plant health was very good. My overall plot rating was 8 out of 10.

Middletown—The Middletown site had good early rains, but they were followed by a hot and dry June and early July. Some heavy rains and storms supplied needed rainfall but caused a few hybrids to green snap and lodge. These storms came at two different dates, mid-July and early August, with each storm causing more root lodging with those susceptible hybrids. Stalk quality did hold together up through harvest and aided greatly in harvesting corn that was root lodged. Yields were better than expected, averaging 163.1 bu. per acre on this test, which was very similar to the surrounding field. I would rate this plot a 7 out of 10.

Sudlersville—This plot started out really well. Nice early rains in late May and June had corn off to a good start. Overall plant height was average to above average. Then, in late June and all of July, showers were missed and above-average temperatures during pollination caused most hybrids to give up. Many farmers in this area experienced similar results. The dry spring allowed many farmers to plant early and if there was no supplemental irrigation the crop was left hot and dry. Any soil variation in the field was magnified. In the surrounding field, the combine yield monitor showed yields from 50 to over 150 bu. per acre—highly variable yields indeed. This test was rejected due to highly variable yields across replications of the same product.

Warwick—This was a tough plot to evaluate. A strong storm in early



KNOW YOUR CORN NEMATODES

INFORMATION COMPILED FROM RECENT UNIVERSITY EXTENSION ARTICLES.

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

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

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Photos courtesy of J. Eisenback, Virginia Tech University.

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#### F.I.R.S.T. Delaware Maryland North Corn Results



ALL-SEASON TEST 105-115 Day CRM

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
Compa Brand	Produc Brand	Tec	Seed Treat	Rela	Yiel	Moi	Lod	Gro (\$//	Gross Incom	Bric	Che	Mid	Sud	Wai	We
Mycogen	2V707	STX VT3P	AVC,C2	110	203.1	18.4	8	1,516	1	221.6	181.6	193.0	37.6	176.4	243.0
Mid-Atlantic Seed	MA8127VT3P	-	AC,P2	112	203.1	21.0	4	1,503	2	223.1	178.9	169.4	34.2	202.7	241.5
Mycogen	X12767HR	HX,RR2	AC,P2	113	201.4	20.7	4	1,492	3	231.7	180.7	176.3	39.0	178.2	240.3
Doeblers	RPM 647AM1^	AM1,RR2	MQ,P1V	111	200.3	19.8	4	1,488	4	208.3	191.7	161.1	47.3	195.2	245.2
Augusta	A0720GTCBLLC	GT/CB/LL	MQ,C2	112	198.5	20.8	7	1,470	6	231.5	195.8	144.9	58.3	188.1	232.2
Augusta	5565VT3Pro	VT3P	AC,P2	115	197.8	20.9	3	1,464	7	231.7	189.0	143.0	44.2	174.2	251.3
TA Seeds	TA683-22DP	VT2P	MQ,C2	112	197.7	19.1	5	1,472	5	218.6	191.4	174.8	68.3	159.3	244.4
Augusta	A0606GTCBLLC	GT/CB/LL	MQ,C2	111	196.7	21.2	9	1,455	9	222.5	185.7	182.8	24.8	161.2	231.4
Mid-Atlantic Seed	MA8147VT3	VT3	AC,P2	114	196.3	22.2	8	1,447	10	215.4	196.5	168.4	43.5	172.2	229.0
TA Seeds	TA753-22DP	VT2P	MQ,C2	114	195.4	21.2	3	1,445	12	228.2	132.8	161.7	61.2	209.2	245.0
Dyna-Gro	D53VP61	VT3P	AC,P2	113	195.1	18.7	2	1,455	8	221.6	175.2	166.4	60.1	173.2	239.2
Seed Consultants	SC 11AGT30	GT/CB/LL	MQ,C2	113	195.0	21.0	4	1,443	13	218.1	185.5	158.1	73.1	173.3	240.0
Mid-Atlantic Seed	MA8102VT3P	VT3P	AC,P2	110	194.9	20.1	8	1,447	11	232.7	153.6	172.2	18.1	174.8	241.2
Hubner	H4600RC2P	VT2P-R	AC,P5V	112	194.1	20.0	3	1,441	15	218.0	195.2	168.4	61.4	161.4	227.4
Augusta	5363VT3Pro	VT3P	AC,P2	113	193.8	20.0	5	1,439	16	214.8	191.7	186.4	22.4	151.2	225.1
Seed Consultants	SC 11AQ43	3000GT	MQ,C2	114	193.8	22.6	9	1,426	20	216.7	185.1	173.2	74.6	156.5	237.5
Hubner	H5709VT3P	VT3P	AC,P5V	114	193.7	21.9	4	1,429	18	230.8	186.9	158.5	31.7	161.0	231.1
Doeblers	RPM 588AMX^	AMX,RR2	MQ,P1V	107	193.2	18.5	1	1,442	14	194.8	173.3	182.5	46.8	190.3	225.2
Augusta	A5658GTCBLLC	GT/CB/LL	MQ,C2	108	192.4	18.8	3	1,434	17	219.1	180.4	160.9	19.0	183.8	217.9
Doeblers	RPM 643HXR^	HX,RR2	MQ,P1V	110	192.0	20.0	10	1,426	21	221.0	165.4	166.2	37.5	169.4	238.0
TA Seeds	TA647-22DP	VT2P	MQ,C2	111	191.6	18.8	6	1,428	19	224.4	179.8	173.6	36.8	147.8	232.4
Seed Consultants	SCS 11HQ31^	HXT,RR2	MQ,P1V	113	191.0	23.9	11	1,400	28	221.8	184.0	144.3	47.9	165.1	239.9
Augusta	5362VT3Pro	VT3P	AC,P2	112	190.3	20.5	1	1,411	24	206.8	196.8	161.6	67.3	162.2	224.3
Augusta	A5462GT3000	3000GT	MQ,C2	112	190.1	21.1	8	1,406	27	202.0	180.5	177.9	64.7	148.1	241.9
FS InVISION	FS 6121VT3P	VT3P	AC,P2	111	189.9	18.7	5	1,416	23	216.7	177.9	160.2	49.5	161.7	232.8
Dekalb	DKC62-58RIB	VT2P-R	AC,P2	112	189.8	18.5	3	1,416	22	219.2	181.2	163.1	45.5	160.6	225.1
Hubner	H4822RC2P	VT2P-R	AC,P5V	114	189.6	22.5	2	1,396	31	202.4	195.7	164.4	47.7	170.4	214.9
Mycogen	2V715	HXT,RR2	AVC,C2	111	188.7	18.7	19	1,407	25	225.2	174.8	159.4	71.4	139.3	245.0
Mid-Atlantic Seed	MA8109VT3P	VT3P	AC,P2	109	188.5	20.4	10	1,398	29	227.4	164.4	152.7	38.6	144.7	253.3
Doeblers	RPM 688AMX^	AMX,RR2	MQ,P1V	113	188.5	20.5	2	1,397	30	206.3	169.5	178.0	49.4	157.5	231.4
Test Average =		· .	· .		190.8	20.2	5	1,416		216.3	176.3	163.1	45.2	166.5	232.0
LSD (0.10) =					13.0	0.8	8			15.5	16.0	20.9	27.9	19.4	16.3

LSD (0.10) = # = rejected results, not included in summary

July caused some green snap with certain hybrids. In early August, another strong storm caused severe root lodging. Some of the higheryielding hybrids were probably lodged the worst. At harvest, stalk quality was still good and most of the lodged plants made it through the combine. The lodging rating is 90% root lodging. Considering all that this test site went through, overall yields were pretty good. My

overall rating of plot quality was 7 out of 10.

Westminster—The Westminster plot never showed any sign of stress all year. Rainfall came throughout the growing season so hybrids at all maturity levels were able to perform to their maximum potential. If there was a chance to see how much corn could be produced on an acre this plot would fit the bill. Many farmers in the local area were

getting yields that they had never experienced before. The appearance of Hurricane Sandy was the only threat to seeing this potential reach the storage bin. Late gray leaf spot was only cosmetic and did not affect yield or standability with all hybrids standing, looking and yielding better than expected. I would rate this plot a 10, but since there is no perfection in this life, it gets a 9 out of 10.

Site Information	1						20	012 Rain	fall (inch	es)*	
Delaware Maryl	and North						Mon	thly		Vs. 30-yea	ar avg.
Site	Soil Texture	Tillage	Prev. Crop	Units N	Planted	May	June	July	August	ylıl	August
Bridgeville	sandy loam	minimum	soybean	215	5/2	1.55	1.85	2.18	3.79	-2.21	-0.08
Chestertown	sandy loam	minimum	corn	185	5/22	2.66	2.61	3.26	3.36	-0.82	0.11
Middletown	sandy loam	minimum	soybean	215	4/21	2.27	4.45	1.65	3.65	-2.90	-0.12
Sudlersville	sandy loam	no-till	corn	175	5/2	2.99	2.29	1.67	4.92	-2.41	1.67
Warwick	sandy loam	minimum	wheat/soybean	190	5/17	3.24	4.19	1.98	3.94	-2.57	0.17
Westminster	Nestminster clay loam minimum corn 185 4/20							3.35	2.51	-0.97	-1.21

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

#### F.I.R.S.T. Illinois North Central Soybean Results

Site Information								
Ste	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)*	
Delavan	silty clay loam	no-till	30	5/11	139.4	low	2.35	_
Macomb	silty clay loam	conventional	30	5/17	121.9	medium	2.63	
Rossville	silty clay loam	minimum	30	5/18	139.4	low	7.53	
Towanda	silty clay loam	no-till	30	5/9	137.2	medium	3.64	-

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

### Soybean Field Notes: Illinois North Central

**Delavan**—Dave Diekhoff, F.I.R.S.T. farmer, commented that his field surrounding the trial yielded 40 bu. per acre to 45 bu. per acre. Some of the varieties in the trial were pod-shattering which affected yield averages negatively, causing them to decline. Harvested plants were very short, from 18" to 24", and stressed from the drought conditions. Harvested seed sizes varied from medium to large and had very good seed quality.

**Macomb**—Jerry Lewis, F.I.R.S.T. farmer, mentioned that many of his soybean varieties' pod shattered this year. I only noted a couple varieties in the trial that pod shattered; most were holding their seed very well. Stands were very uniform at this site. Plant heights ranged from 36" to 42" tall and were podded high above the ground at 4" to 6". Seed quality was fair. This McDonough County test plot averaged 51.5 bu. per acre.

**Rossville**—Kevin Weinard, F.I.R.S.T. farmer, commented that his fields received some timely showers this summer. High yields reflect those rains. The trials displayed very robust and tall soybean plants. Most varieties averaged at least 48" tall; some even reached 54" to 60". Harvested seed was large in size and great quality. It was a lot of fun to harvest this

Eric Beyers, F.I.R.S.T. Manager **Soybean Stats:** Yield Range: 43.3-55.8 bu. per acre Yield Average: 52.3 bu. per acre Top \$ Per Acre: \$864.90

test. The average yield on this test was 68.1 bu. per acre.

Towanda—Judson Stover is the F.I.R.S.T. farmer for the Towanda test plot. Stover's son, Aaron, liked the larger soybean seed size that their field and the trials produced. He felt that the larger seed added to their soybean test weight, helping their yields tremendously in this drought-stressed year. Judson mentioned that his soybean field averaged around 52 bu. per acre. Harvested plants were short at about 24" to 30" tall. Seed quality was excellent here. Perhaps being a no-till site helped conserve some soil moisture. The trial's population plant stands were mostly uniform.

Top 20 of 45 tested

#### 2.9-3.6 Maturity Group

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Delavan	Macomb	Rossville	Towanda
Asgrow	AG3431 §	RR2Y	3.4	R	Ac,PV	55.8	12.3	0	865	44.1	53.9	68.9	56.3
Steyer	3604R2	RR2Y	3.6	MR	SStd	55.0	14.6	0	851	43.5	53.7	67.4	55.4
Asgrow	AG3231 §	RR2Y	3.2	R	Ac,PV	54.6	13.3	0	846	41.0	56.8	68.3	52.3
FS Hisoy	HS 36A12	RR2Y	3.6	R	CMB	54.4	13.2	0	843	41.9	53.9	66.5	55.1
Stine	35RA02 §	RR2Y	3.5	R	CMB	54.1	13.2	0	838	40.2	55.1	66.6	54.5
Asgrow	AG3432 §	RR2Y	3.4	MR	Ac,PV	54.1	13.5	2	838	41.0	55.4	66.4	53.5
Steyer	3404R2	RR2Y	3.4	MR	SStd	54.0	12.8	1	837	41.7	55.4	67.6	51.4
Steyer	3502R2	RR2Y	3.5	MR	SStd	53.8	12.5	0	834	36.8	52.2	71.0	55.2
FS Hisoy	HS 34A12	RR2Y	3.4	R	CMB	53.8	12.7	0	834	40.8	52.8	68.7	53.0
Steyer	3603R2	RR2Y	3.6	MR	SStd	53.8	12.9	2	834	42.0	55.2	67.1	50.7
Pfister	34R20	RR2Y	3.4	R	CMB	53.8	13.5	0	833	39.6	52.1	70.8	52.8
Channel	3402R2	RR2Y	3.4	R	Ac,PV	53.8	13.5	0	833	39.3	53.7	70.8	51.3
Dairyland	DSR-3232R2Y	RR2Y	3.4	MR	CMB	53.7	13.5	0	832	37.5	52.1	71.3	53.8
FS Hisoy	HS 34A22	RR2Y	3.4	R	CMB	53.6	12.3	0	831	40.6	49.1	69.0	55.6
Dyna-Gro	S31RY93	RR2Y	3.1	R	Ac	53.6	12.8	0	831	35.3	56.8	69.3	52.8
NK Brand	S34-N3 §	RR2Y	3.4	MR	CMB	53.4	13.5	0	827	40.3	53.0	70.4	49.9
Channel	3306R2	RR2Y	3.3	R	Ac,PV	53.3	12.7	0	826	37.0	50.4	74.6	51.3
Dairyland	DSR-3216R2Y	RR2Y	3.2	R	CMB	53.0	13.3	1	821	38.1	53.9	68.7	51.4
FS Hisoy	HS 29A22	RR2Y	2.9	R	CMB	52.9	12.9	0	820	35.2	54.8	69.8	51.8
Steyer	X31GLR2	RR2Y	3.1	MR	SStd	52.9	12.3	1	820	34.1	54.4	71.3	51.6
Site Averages =						52.3	13.0	1	811	38.0	51.5	68.1	51.7
LSD (0.10) =						3.3	0.9	2		4.3	5.1	4.4	3.7

#### Sponsored by Poncho/VOTiVO from Bayer CropScience 29

#### F.I.R.S.T. 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	no-till	30	5/16	119.6	low	3.00	_
Forsyth	silty clay loam	conventional	30	5/9	139.3	low	2.23	
Tuscola	silty clay loam	no-till	30	5/6	120.3	medium	3.66	_
Virden	silt loam	conventional	30	5/15	122.0	medium	2.78	_

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

#### Soybean Field Notes: Illinois South Central

Clayton—The reduced stands on this site are a result of extremely dry, hard soil at planting that challenged only the first replication, which was eliminated from the results. Before proceeding, a few planter modifications allowed for more uniform planting depth into adequate soil moisture, resulting in uniform stands for the other two replications. This site's good yields are amazing considering the severe drought conditions. Plant heights ranged from 30" to 36" with little or no lodging. Seed size varied greatly and the seed quality was fair. There did not appear to be much, if any, pod shattering.

**Forsyth**—F.I.R.S.T. farmer Jim Cullison stated that this trial re-

#### ceived over 3" of rain in the week before harvest; too bad it didn't come in July or August while this site was under extreme drought stress. It appeared that the drought affected yield variance, as plant heights were not always consistent. Overall, variety plant heights ranged from 20" to 30" tall. Seed quality was moderate to poor. Numerous varieties were displaying pod shattering, especially from pods near the top of the plants.

**Tuscola**—John Carmack, F.I.R.S.T. farmer, commented that in spite of the drought, his combine monitor was reading 45 bu. per acre of soybeans, which was quite agreeable to him. Perhaps



Eric Beyers, F.I.R.S.T. Manager

Top \$ Per Acre: \$798.30

Soybean Stats: Yield Range: 40.3-51.5 bu. per acre Yield Average: 46.2 bu. per acre

his no-till practice conserved soil moisture better than a conventional till practice. Harvested plants ranged from 24" to 36" tall. Some plants were shorter in dryer-soil areas of the field. Harvested seed size was large with great quality. No lodging was seen. Some lower branching on plants was visible. The plot had very uniform plant stands.

**Virden**—This site had very robust plants measuring in height from 36" to 48" and stem thicknesses from 0.375" to 0.5" in diameter. Due to heat and drought conditions, very few plants exhibited side branching. Harvested seed was medium to large in size and very good quality. Plant stands were uniformly consistent.

Top 20 of 54 tested

#### 3.4-4.1 Maturity Group

on matany a										100 20 01 01 00 000			
Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Clayton	Forsyth	Tuscola	Virden
Stone	2R4003	RR2Y	4.0	R	Ac,PV	51.5	12.6	0	798	57.5	43.0	48.0	57.4
FS Hisoy	HS 38A22	RR2Y	3.8	R	CMB	50.9	13.0	4	789	60.3	41.6	49.3	52.3
Stine	40RC32 §	RR2Y	4.0	R	CMB	50.0	13.2	0	775	58.6	42.0	47.9	51.4
LG Seeds	C3989R2	RR2Y	3.8	R	Ac	49.7	13.0	0	770	58.7	40.4	46.4	53.3
Stine	36RD02	RR2Y	3.6	R	None	49.5	12.2	0	767	58.1	40.1	45.4	54.2
Steyer	3902R2	RR2Y	4.0	MR	SStd	49.5	12.5	1	767	54.2	43.2	46.0	54.4
FS Hisoy	HS 37A22	RR2Y	3.7	R	CMB	49.0	12.9	0	760	59.8	38.1	48.4	49.8
Dairyland	DSR-3703R2Y	RR2Y	3.7	R	CMB	49.0	12.6	2	760	55.3	39.2	49.2	52.1
FS Hisoy	HS 39A22	RR2Y	3.9	R	CMB	48.7	12.9	0	755	54.5	35.7	47.4	57.2
LG Seeds	C3770R2	RR2Y	3.7	R	Ac	48.7	12.5	0	755	55.7	43.0	45.8	50.4
NK Brand	S41-J6 §	RR2Y	4.1	R	CMB	48.7	13.1	0	755	58.2	36.3	48.8	51.5
Steyer	3903R2	RR2Y	3.9	MR	SStd	48.3	12.9	0	749	59.8	32.8	47.4	53.1
FS Hisoy	HS 38A02	RR2Y	3.8	R	CMB	48.3	12.4	0	749	55.6	35.6	47.3	54.7
Channel	3701R2	RR2Y	3.7	R	Ac,PV	48.2	12.7	0	747	52.1	43.1	45.7	51.8
Steyer	3803R2	RR2Y	3.8	MR	SStd	48.2	12.4	0	747	49.2	44.8	47.1	51.6
Stone	2R4103	RR2Y	4.1	R	Ac,PV	47.8	12.9	1	741	56.8	33.9	44.4	55.9
Stine	37RD22	RR2Y	3.7	R	None	47.6	12.5	0	738	54.7	36.3	44.3	55.2
Stone	2R3701	RR2Y	3.7	R	Ac,PV	47.5	13.2	1	736	50.1	44.3	44.2	51.3
LG Seeds	C3666R2	RR2Y,STS	3.6	R	Ac	47.4	12.8	0	735	54.2	40.9	44.7	49.8
Dairyland	DSR-3980R2Y	RR2Y	3.9	R	CMB	47.2	13.0	1	732	54.7	36.5	45.0	52.4
Site Averages =						46.2	12.7	0	717	53.9	36.8	43.6	50.6
LSD (0.10) =						3.1	0.7	ns		4.3	7.9	4.0	3.5

# PONCHO®/VOTIVO® SIGNIFICANTLY INCREASES SOYBEAN YIELD FOR IOWA FARMER

### Bayer CropScience's Poncho/VOTiVO Seed Treatment Strengthens Crops

For more than three decades, Bob Mehmert has been growing corn and soybeans on his 700-acre farm in West Point, Iowa. Mehmert Farms is family-owned and splits the acreage between corn and soybeans and rotates the crops every year.

For the 2012 growing season, Mehmert's seed salesman discussed treating some of his soybeans with Bayer CropScience's Poncho[®]/VOTiVO[®] seed treatment. Mehmert had never used a seed treatment before but was willing to try a mini-bulk (50 bags) of soybean seed treated with Poncho/VOTiVO.

Poncho/VOTiVO is a seed treatment that combines the most trusted seed-applied insecticide in corn with the most revolutionary, complete nematode protection on the seed. The result is a powerful seed treatment for corn and soybeans that protects early-season seedlings and roots from numerous insect and nematode pests, both above and below ground.

It contains a unique strain of bacteria that, upon seed germination, begins to grow and multiply. The bacteria continue to increase with the developing plant, blocking nematodes, including the soybean cyst nematode (SCN), from reaching the root surface, thereby protecting the plant's roots from damage. The insecticide component of Poncho/VOTiVO also provides fast-acting, longlasting insect control for pests, such as early-season aphids, overwintering bean leaf beetles, grape colaspis, seed corn maggots and wireworms, which are commonly found in soybeans.

Poncho/VOTiVO's control and suppression of damaging pests and unique combination of an insecticide and biological seed treatment represent exciting proof points of Bayer CropScience's commitment to cultivating ideas and answers.

"When my seed salesman approached me about using Poncho/VOTiVO on my soybeans this year, I viewed it as just another gimmick," stated Mehmert. "However, I was willing to give it a try on about 50 acres out of 130 acres of my soybeans."

Mehmert planted the Poncho/VOTiVO-treated soybean seeds next to the untreated soybean seeds. This allowed for a



side-by-side comparison in the field where all the growing conditions and cultural practices were the same – the only difference was Poncho/VOTiVO. And, the comparison between the Poncho/VOTiVO soybeans and untreated soybeans was unmistakable.

"Before I even harvested with my combine, it was unreal to see the line of Poncho/VOTiVO-treated crops that looked healthier and were taller than the untreated crops – even my 11-year-old son could tell the difference," stated Mehmert. "The stem quality of the Poncho/VOTiVO soybeans was so much better than the untreated soybeans. The stems of the treated soybeans didn't have any dead spots, and you could tell that the root system was better."

He harvested the soybeans mid-October and was amazed when he noticed the combine's yield monitor results. "In the untreated soybeans, there was 11 to 12.5 percent moisture, but in the Poncho/VOTiVO soybeans, the crops were about two percent wetter – running at 14 to 15.5 percent moisture," stated Mehmert. "The most impressive and exciting finding was that the combine was showing that the Poncho/VOTiVO soybeans produced 10 to 12 bushels per acre more than the untreated soybeans."

Mehmert had been hesitant to purchase Poncho/VOTiVO, but soon realized that just half a bushel of added yield paid for the seed treatment. And, after this year's drought, he is looking forward to seeing what Poncho/VOTiVO will do for his soybeans in a wet year.

"Next year, we are supposed to go into an El Niño weather pattern, which produces more rain. And in wet years, we experience more diseases in soybeans," stated Mehmert. "Because of the success I had with the Poncho/VOTiVO soybeans this growing season, I'm planning on using Poncho/VOTiVO on all of my soybeans, and I'm really anticipating what I will see next year with a different type of weather pattern."

For more information about Poncho/VOTiVO, visit www.BayerCropScience.us or contact your local sales representative for product information.

Bayer CropScience LP, 2 TW Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer (reg'd), the Bayer Cross (reg'd), and Poncho®/VOTiVO® are trademarks of Bayer. Poncho®/VOTiVO® is not registered in all states. For additional product information, call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our Web site at www.BayerCropScience.us.



### F.I.R.S.T. Illinois South Soybean Results

Site Information								
Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)*	C
Belleville	silt loam	no-till	30	5/15	138.8	medium	3.19	_
Du Quoin	clay loam	no-till	30	5/4	119.0	high	2.52	
Shumway	silt loam	no-till	30	5/14	138.0	low	4.90	_
Vandalia	silty clay loam	conventional	30	5/11	104.5	medium	6.20	-

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

# Soybean Field Notes: Illinois South

Belleville—Don Barttelbort. F.I.R.S.T. farmer John Barttelbort's dad, was pleasantly surprised about their good soybean yields despite the drought this year. He discussed how their combine monitor had readings between 45 and 65 bu. per acre in the field adjacent to the trials. The trials averaged 54 bu. per acre. Harvested plants ranged in height from 36" to 60" tall. As also seen at the Du Quoin site, more of the fuller-maturity soybeans were yielding better. Some varieties had very good lower branching. Seed quality was very good. Plant stands were very consistent.

Du Quoin—Don Polczynski, F.I.R.S.T. farmer, rode inside the

#### 4.0-4.7 Maturity Group

combine cab with me for a few rounds to visit and view the yields firsthand at harvest. He was impressed to notice the grain wagon filling so guickly and then witnessed the scale reading yields in the mid-40s bu. per acre. He proudly stated, "I'll take 40-bu.-per-acre soybean yields after such a terrible growing year!" Some of the later-maturing varieties handled the drought stress by displaying even better yields. Seed quality was moderate to poor with numerous purple seed stains appearing in samples. Plant stands were very consistent.

Shumway—David Soltwedel, F.I.R.S.T. farmer, commented that his field surrounding the trial aver-



Eric Beyers, F.I.R.S.T. Manager

Soybean Stats: Yield Range: 45.2-55.7 bu. per acre Yield Average: 50.8 bu. per acre Top \$ Per Acre: \$860.90

aged 60 bu. per acre. The trial-harvested plants were robust types at 36" to 42" tall. Seed size was large and of excellent quality. Lower side branching was noticeable among many varieties at this site. This test plot averaged 58.5 bu. per acre.

Vandalia—Ronnie Sloan, F.I.R.S.T. farmer, commented that overall he is very pleased with his soybean yields this year. This site had excellent plant growth (24" to 48" tall), nice pod sets, large seed sizes and uniform stands. In the last week before harvest this area received 2" to 4" of rain. Some of the later-maturity varieties had still not been mature, but these rains sped up that process.

Top 20 of 58 tested

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Belleville	Du Quoin	Shumway	Vandalia
Dairyland	DSR-4850R2Y	RR2Y	4.7	R	CMB	55.7	15.2	0	861	61.0	48.3	54.8	58.6
Dairyland	DSR-4633R2Y	RR2Y	4.5	R	CMB	54.6	12.8	0	846	55.7	46.9	60.5	55.3
Pfister	43R29	RR2Y	4.3	R	CMB	54.5	12.8	0	845	59.2	40.9	64.8	53.1
Channel	4806R2/STS	RR2Y,STS	4.8	R	Ac,PV	54.5	15.4	0	842	59.0	46.8	55.6	56.6
FS Hisoy	HS 42A12	RR2Y	4.2	R	CMB	54.3	12.6	0	842	61.9	41.8	62.4	51.2
Stine	47RD00	RR2Y	4.7	S	CMB	54.3	13.0	0	842	55.4	46.1	60.5	55.0
NK Brand	S46-A1 §	RR2Y	4.6	R	CMB	53.8	13.0	0	834	59.8	41.3	58.7	55.3
Steyer	4203R2	RR2Y	4.2	MR	SStd	53.6	12.6	0	831	58.9	39.5	59.1	56.9
Dyna-Gro	39RY43	RR2Y	4.3	R	Ac	53.2	13.0	0	825	56.9	40.2	59.8	56.0
Lewis	423R2	RR2Y	4.2	R	Ac,PV	53.1	12.6	0	823	55.5	40.1	63.7	53.2
Stone	2R4702STS	RR2Y,STS	4.7	R	Ac,PV	53.1	13.3	1	823	57.2	42.7	60.0	52.4
FS Hisoy	HS 47A12	RR2Y,STS	4.7	R	CMB	53.1	13.4	1	823	53.9	44.7	60.3	53.4
Asgrow	AG4531 §	RR2Y,STS	4.5	S	Ac,PV	53.0	12.8	0	822	54.5	44.5	56.1	56.7
Dyna-Gro	31RY45	RR2Y	4.5	R	Ac	52.9	12.7	1	820	56.1	41.8	58.7	55.0
Channel	4705R2	RR2Y	4.7	R	Ac,PV	52.9	13.4	1	820	56.3	43.0	60.4	51.8
Steyer	4701R2	RR2Y	4.7	MR	SStd	52.8	13.1	0	818	55.4	43.5	60.8	51.3
Steyer	4702R2	RR2Y	4.7	MR	SStd	52.8	13.7	0	818	55.3	41.6	58.5	55.8
Asgrow	AG4232	RR2Y,STS	4.2	R	Ac,PV	52.7	13.1	2	817	56.8	41.4	59.1	53.5
Stone	2R4302	RR2Y	4.3	R	Ac,PV	52.4	12.6	0	812	56.9	36.5	59.9	56.1
Pfister	45R23	RR2Y	4.5	R	CMB	52.1	13.0	0	808	56.5	40.1	59.2	52.7
Site Averages =						50.8	13.0	0	787	54.0	39.0	58.5	51.6
LSD (0.10) =						3.5	1.0	1		4.2	5.2	4.5	4.1

#### F.I.R.S.T. Indiana Central Soybean Results

Site Information								
Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)*	E.
Greensburg	silt loam	conventional	15	5/7	n/a	n/a	3.05	
Otterbein	silty clay loam	no-till	15	5/5	80.8	n/a	6.98	
Windfall	sandy clay loam	conventional	15	5/6	98.4	n/a	5.00	
Wingate	sandv clav loam	no-till	15	5/6	97.4	n/a	7.28	

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

## Soybean Field Notes: Indiana Central

**Greensburg**—The Greensburg test location was lost due to a heavy 2.5" rain shortly after planting. Gordon and Jeff Smiley, F.I.R.S.T. farmers, had soybean stands that were very spotty and inconsistent. A hailstorm later caused significant damage to those plants that were left, which further thinned the crop stand. This site was not harvested due to poor stand.

**Otterbein**—Final stand was reduced by the spring conditions in Otterbein this year. Plant height was variable in the test, ranging from 17" to 34" tall. Steve Gick, F.I.R.S.T. farmer, had soybeans with good grain size and good

quality as well, but some plants had pods that contained no soybeans. Yields were variable due to wildlife eating sovbeans in the first three ranges of the test and poor marestail control. Test results were rejected here.

**Windfall**—The Windfall test plot, farmed by F.I.R.S.T. farmer Steve Pierce, was able to produce some pretty nice yields. Soybeans were planted into dry soil and the final stand was reduced when many soybeans did not germinate. The August rains made for some good quality and ample soybean size. The plant health was good on this site with light lodging as the crop grew taller



Rich Schleuning, F.I.R.S.T. Manager Soybean Stats: Yield Range: 58.8-69.3 bu. per acre Yield Average: 63.8 bu. per acre Top \$ Per Acre: \$1,074.20

with the late-season moisture. Plant height ranged from 34" to 45" tall. The average yield on this test plot was 62.9 bu. per acre.

**Wingate**—This spring, it was tough to achieve the desired population on this May 6 planted plot. In mid-July plants were at 37" tall with a good pod set and still flowering. At harvest some varieties had elongated up to 58" tall. There was some light lodging, but it was not bad, considering the height of the plants. F.I.R.S.T. farmers Steve and Matt Stine were able to produce an average of 64.6 bu. per acre. Soybean moisture was dry with heavy shatter loss on taller plants.

3.1-3.8 Maturity 6	iroup									lop	20 of 45	tested	
Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Greensburg	Otterbein#	Windfall	Wingate
Ebberts	2342RR2	RR2Y	3.4	R	Ac	69.3	12.9	3	1,074		39.6	63.3	75.3
Specialty	3200CR2	RR2Y	3.2	R	Ac,PV	68.4	13.0	2	1,060		45.2	67.7	69.0
LG Seeds	C3989R2	RR2Y	3.8	R	Ac	68.3	13.0	2	1,059		60.1	64.3	72.3
Specialty	3585CR2	RR2Y	3.5	R	Ac,PV	68.0	12.4	1	1,054	_	48.5	64.0	71.9
Channel	3506R2	RR2Y	3.5	R	Ac,PV	67.9	12.4	1	1,053		56.8	65.2	70.5
NK Brand	S34-N3 §	RR2Y	3.4	MR	CMB	67.8	13.0	1	1,051	ent	41.0	65.7	69.9
Asgrow	AG3832 §	RR2Y	3.8	R	Ac,PV	67.3	12.9	1	1,043	-ost to poor crop establishment	49.3	68.1	66.5
NK Brand	S37-B1 §	RR2Y	3.7	R	CMB	67.3	13.0	1	1,043	blis –	40.2	65.9	68.6
Stine	30RD02 §	RR2Y	3.0	R	CMB	66.9	12.5	2	1,037	sta	61.7	62.7	71.1
LG Seeds	C3770R2	RR2Y	3.7	R	Ac	66.7	13.5	1	1,033	b e	54.0	63.7	69.6
Channel	3402R2	RR2Y	3.4	R	Ac,PV	66.6	13.0	1	1,032	cro	48.6	64.4	68.8
Ebberts	2310RR2	RR2Y	3.1	R	Ac	66.2	13.1	1	1,026	Do _	51.8	63.9	68.5
Specialty	3494CR2	RR2Y	3.4	R	Ac,PV	66.2	13.1	1	1,026	Dd o	48.9	65.0	67.3
LG Seeds	C3466R2	RR2Y	3.4	R	Ac	65.9	12.9	1	1,022	t to	48.8	62.7	69.0
Ebberts	2300RR2	RR2Y	3.0	R	Ac	65.5	12.6	2	1,015	Los	52.2	59.7	71.3
Ebberts	2313RR2	RR2Y	3.1	R	Ac	65.4	12.7	2	1,014	_	41.2	62.6	68.1
Pioneer	93Y60 §	RR	3.6	R	None	64.5	13.2	1	1,000		42.6	64.2	64.7
Steyer	3102R2	RR2Y	3.1	MR	SStd	64.1	13.5	2	993	_	38.6	62.6	65.6
Asgrow	AG3431 §	RR2Y	3.4	R	Ac,PV	63.8	12.9	1	989		42.1	63.0	64.5
Seed Consultants	SCS 9362RR^	RR	3.6	R	T2,G	63.8	13.1	2	989		49.8	71.7	55.8
Site Averages =						63.8	13.0	2	989		46.3	62.9	64.6
LSD (0.10) =						ns	0.6	2			ns	5.8	7.1

LSD(0.10) =

Sponsored by Poncho/VOTiVO from Bayer CropScience 33

### F.I.R.S.T. Mid-Atlantic Soybean Results

Site Information								
Site	Soil Texture	Tillage	Row Width (in)	Planting Date	Stand	SCN Pop.	August Rain (in)*	0
Hanover	silty clay loam	conventional	30	5/18	n/a	n/a	4.47	_
Middletown	loamy sand	no-till	15	5/23	131.0	n/a	3.65	
Mount Joy	silty clay loam	no-till	15	6/5	136.3	n/a	4.87	
Preston	sand	no-till	30	5/17	82.2	n/a	4.09	-

*Rainfall estimates provided by Telvent. Grower supplied rainfall data in field notes.

### Soybean Field Notes: Mid-Atlantic

Hanover—Conventional selective herbicides were used for weed control to protect the one conventional variety. Unfortunately, early-season rainfall was limited and the residual herbicides did not deliver adequate performance. This test site was not harvested due to herbicide failure that hurt soybean yield.

**Middletown**—The Middletown test plot is farmed by F.I.R.S.T. farmer Bill Morrow. He had good uniform emergence and timely rains that helped to produce some very nice no-till yields at this nonirrigated site. Plants stood very well in this high-yield environment. This test was accidentally treated with glyphosate, which killed the conventional variety Monocacy. I would rate the test plot quality as 7 out of 10. This test was planted on May 23 and harvested on Oct. 20. Morrow produced an average of 67.7 bu. per acre.

**Mount Joy**—Our last soybean site was planted on June 5. This no-till test had excellent stand establishment and looked great all season. Rains were timely, just when they were needed, along with ideal temperatures to maximize pod set and fill pods. Timing means everything, and this test plot was right on time! Lodging scores were acceptable but there were varietal differences. The

Rob Kauffman, F.I.R.S.T. Manager

Soybean Stats: Yield Range: 40.7-62.3 bu. per acre Yield Average: 56.7 bu. per acre Top \$ Per Acre: \$932.90

Mount Joy site had nice soil moisture to really maintain good plant health, especially in the critical late-July through August period, which helped us to have an excellent crop this year.

**Preston**—The summer here in Preston was hot and dry. Overall, our soybean stand was less than the ideal 100,000 final stand, but the crop compensated well. Between 5" and 6" of supplemental water by irrigation helped pull this crop through. Lodging was fairly light. There were some deerfeeding and weed-control issues adding stress to this test. I would give this plot an overall plot rating of 6 out of 10 this year.

Top 20 of 24 tested

#### 3.4-4.1 Maturity Group

Company/ Brand	Product/ Brand	Technology	Maturity	SCN Resistance	Seed Treatment	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Hanover	Middletown	Mount Joy	Preston
TA Seeds	TS4339R2	RR2Y	4.3	R	CMB,Ex	62.3	14.3	2	933		72.2	63.5	51.1
Mid-Atlantic Seed	MAS3933NRR2/STS	RR2Y,STS	3.9	MR	CMB	60.2	14.4	5	901	_	73.0	49.6	57.9
Mycogen	5N385R2	RR2Y	3.8	R	CMB	60.1	14.6	3	900		72.7	61.7	45.8
Dyna-Gro	S35RY83	RR2Y	3.5	R	Ac	59.4	14.3	4	890	_	69.4	62.7	46.1
Hubner	H34-12R2	RR2Y	3.4	R	Ac,Ex	59.4	14.5	2	889	Ð	63.4	65.6	49.2
Channel	3806R2/STS	RR2Y,STS	3.8	R	Ac,PV	59.3	14.1	3	888	ji –	76.2	58.0	43.7
Doeblers	RPM DB3809RR^	RR	3.8	R	T2,G,O	59.3	14.5	5	888	fai	69.1	59.6	49.1
TA Seeds	TS3989RS	RR,STS	3.9	R	CMB,Ex	58.2	14.7	3	871	ide	65.9	58.5	50.2
Mycogen	5N403R2	RR2Y	4.0	R	CMB	58.1	14.5	3	870	Herbicide failure	70.5	55.0	48.7
Mycogen	5N342R2	RR2Y	3.4	R	CMB	57.8	14.9	2	865	Hei	62.3	69.7	41.5
TA Seeds	TS3839R2	RR2Y	3.8	R	CMB,Ex	57.7	14.7	3	864	<u>+</u>	67.2	59.8	46.2
Mid-Atlantic Seed	MAS3802NRR	RR	3.8	MR	CMB	57.5	14.9	2	860	_ ste	65.1	58.2	49.2
Channel	3506R2	RR2Y	3.5	R	Ac,PV	57.4	13.9	4	860	LVG	64.8	56.0	51.4
Channel	3701R2	RR2Y	3.7	R	Ac,PV	57.4	14.4	2	859	Hai	65.7	55.0	51.4
Hubner	H38-12R2	RR2Y	3.8	R	Ac,Ex	57.2	14.2	4	857	Not Harvested	70.4	58.3	42.8
Dyna-Gro	S39RY33	RR2Y	3.9	R	Ac	56.5	14.5	5	846	~	68.1	49.0	52.5
Dyna-Gro	37RY39	RR2Y	3.9	R	Ac	56.1	14.5	8	840		67.9	54.7	45.7
Mid-Atlantic Seed	MAS3511RR2	RR2Y	3.5	n/a	CMB	55.9	14.8	8	837		69.1	52.6	46.0
Doeblers	RPM DB3512RR^	RR	3.5	R	T2,G	54.8	14.2	4	821		67.4	54.0	42.9
Hubner	H34-11R2	RR2Y	3.4	R	Ac,Ex	54.7	14.6	4	819		61.4	58.3	44.3
Site Averages =						56.7	14.6	4	849		67.7	57.0	46.6
LSD (0.10) =						ns	ns	ns			5.2	4.3	5.0

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# SANDERS' SEEDS NOW PROVIDED "ON DEMAND"

Bayer CropScience's New On Demand[™] Seed Treatment System Increases Production for Jimmy Sanders, Inc.

#### ON DEMAND™ SEED TREATMENT

"Innovation in seed treatment application is essential to help growers protect their crops and achieve quality yields in a sustainable way," said Kerry Grossweiler, seed technology and application manager at Bayer CropScience LP. "On Demand is the first and only fully automated seed treatment system developed to make treating seeds easier, more accurate and more efficient – benefitting seed treaters and ultimately the growers as well." Bayer was keen to enlist seed treaters to use On Demand[™] in a pilot program. They invited Vincent Kerperien, the Jimmy Sanders location manager in Light, Arkansas, to attend the pilot training. After learning about the program, Vincent agreed to install a system at his facility.

#### FAVORABLE FEEDBACK

Vincent has been using the system for the past 13 months and is pleased with the benefits it brings. "One of the most impressive features of the system is the reporting functionality, which includes batch reports," Vincent says. "In just minutes, you can determine how the seeds were treated, how many gallons of seed treatment were used and which treatments were employed on specific batches. The reporting features will help seed treaters keep track of information in a much easier and more accurate way than ever before. The On Demand chemical delivery system is very accurate, which is extremely important in seed treating. On Demand takes a lot of the math and potential human error out of seed treatment."

"In a 10-hour day, On Demand has been saving us at least an hour every day," Vincent adds. He also points out that this system is popular with their employees, mainly because cleanup is safer and faster. Treaters used to have to clean 2.5-gallon jugs for disposal. Now they are no longer exposed to chemicals because On Demand is a completely closed system that reduces the risk of unnecessarily handling chemicals.

#### **CLEAR RECOMMENDATION**

"Another key point for me is that On Demand works just like Bayer CropScience said it would work," Vincent adds. "And it is easy to operate. Our company is definitely planning to continue using the On Demand system." And Vincent's customers will continue to benefit from buying their treated seeds on demand.

Jimmy Sanders, Inc. is a well-known name in Mid-South farming circles. Since the company was founded in 1953, it has grown into one of the leading agricultural input supply and distribution businesses in the Mid-South, operating from 77 locations in eight states. Its multifaceted operations include seed production and sales. This is where Jimmy Sanders and Bayer share a common interest.

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