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INSIDE

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corn and soybean products
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2022 Performance Summary

Central and Southern Minnesota



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📍 MNSW, MNSE 📈 MNSC, MNSO, MNSOCV

Summary of the 2022 Season



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Summary of the 2022 Season

We are proud to bring you this report presenting the top corn and soybean performances in FIRST's independent yield trials. FIRST is your trusted source for unbiased, accurate yield information about America's finest seed brands. Each hybrid and variety is tested at multiple locations with the best and most consistent performers appearing in this summary. For all the harvest reports and complete multi-year results for each product in the trials, visit us at www.firstseedtests.com.

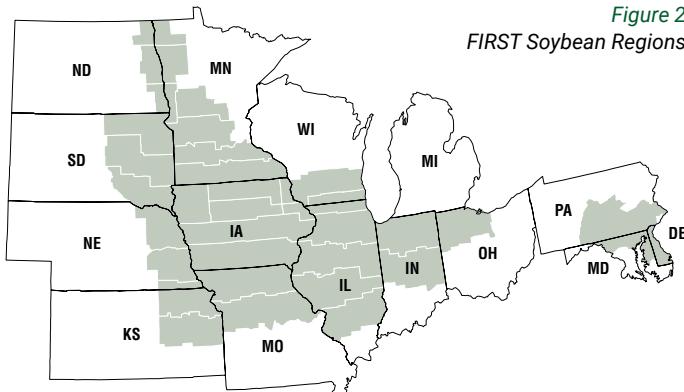
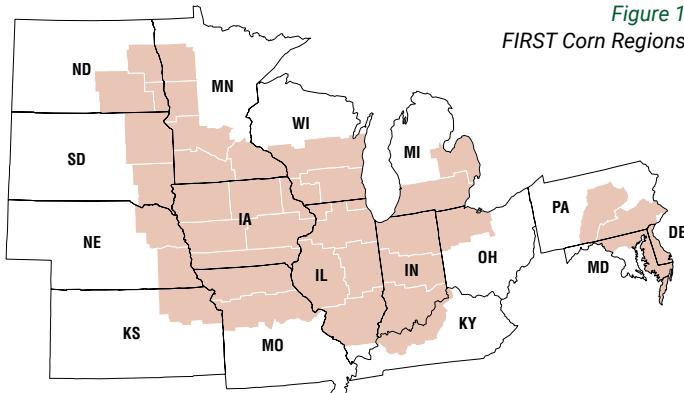


FIRST Testing Methodology and Procedures

TESTING PROGRAM

Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 16 states: Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (Figure 1 & Figure 2).

Testing regions have been established to provide similarity by geography and crop maturity. Seed products within a predefined maturity range (e.g., 106 to 116 RM corn or 0.7 to 1.5 maturity soybeans) are pooled into a single, all-SEASON TEST | or split into early- and full-season tests depending on entry volume. Products are planted at five or six corn test locations or four soybean locations within a region.



Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well-drained soils where farmer hosts use standard production practices for the area. Typically, all tests at a location are conducted adjacent to each other to minimize yield variance between tests.

Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions. They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. A1234 CK), chosen by FIRST Managers to bridge results between early- and full-season tests, and Grower Comparison products (GC after the product name), often provided by host farmers for their knowledge as test space permits.

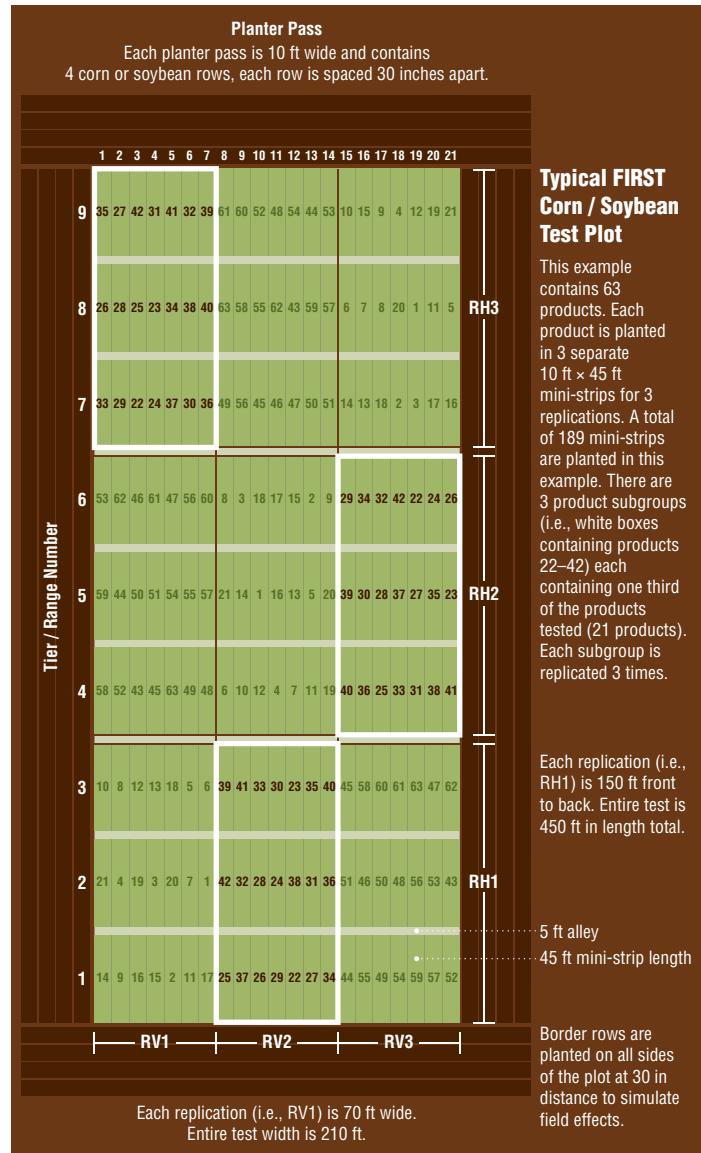
Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to

side. This provides more precision in yield measurement and flexibility should a disruptive event (i.e., standing water) require elimination of non-uniform test areas.

FIRST Field Managers package, randomize, and plant seeds into host grower fields using slightly modified commercial planting equipment to facilitate mini strip research. Individual plots (a.k.a. mini-strips) contain four corn rows spaced 30-inches apart, 45 feet in length (Figure 3). Soybean is planted in four rows spaced 30-inches apart or seven 15-inch spaced rows. Soil insecticide is typically applied to corn at planting. Seeding rate is based on standard area practices.

FIRST Managers measure yield from the center two corn rows or all soybean rows using customized commercial self-propelled combines. Grain from each plot is electronically weighed and moisture content measured. Soybean grain is sampled from one replicate per test for protein and oil content analysis.

Figure 3 FIRST Test Plot Layout



TESTING METHODOLOGY

PERFORMANCE SUMMARIES

FIRST Corn Grain and Soybean Top 30 Harvest Reports are designed to identify high-yielding products at a single location. These reports are posted to www.firstseedtests.com generally within 2 days of harvest and provide product information, yield and agronomic results.

The *Corn Grain and Soybean Top 30 Region Summary* reports (Figures 4 & 5) identify products that consistently deliver top performance across a region by averaging product results from all test locations. These corn and soybean regional reports display grain Yield (Bu/A), grain Moisture (%), Lodging (%) and Gross Income (\$/A) averaged over all locations, presented alongside individual site yield results. This report is available shortly after the last *Harvest Report* for a region becomes available at www.firstseedtests.com.

In both reports, products are first ranked by Gross Income (\$/A). The 30 highest ranked Gross Income (\$/A) products are sorted by Yield (Bu/A) for public presentation. Nearly all tests include more than 30 products but only the Top 30 products are reported.

Figure 4 Corn Grain Performance Summary

EARLY-SEASON TEST 93-98 Day CRM Top 30 of 56 tested									
Company/Breed	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Rank	
									A B C D E
CHERYL	DS-98100	OR8	98	230.2	18.3	1	\$784	4	264.6
FEDERAL	4800 VT2PRIB	VT2PB	98	229.1	18.3	1	\$784	5	260.4
HEFTY	H4322V173PRIB	VT2PB	93	228.2	17.0	1	\$788	2	243.5
DARYLAND	DS-3550AM	AM8	95	227.8	17.4	1	\$781	7	259.3
JUNK	47DPA29	VT2PB	97	227.7	16.9	1	\$782	5	252.1
NORTHSTAR	NS 98-513 STXRB	STXB	98	227.2	16.7	2	\$782	6	250.4
WINTER	10000 VT2PB	VT2PB	98	226.7	17.1	1	\$775	8	257.9
PIONEER	PT6800 VT2P	OR8	96	243.3	17.0	1	\$771	10	280.5
THUNDER	T6996 VT2P	VT2PB	96	223.9	16.7	1	\$772	9	248.3
HEFTY	H4542VT2P	VT2P	95	223.1	16.1	1	\$771	11	238.4
LATHAN	LH 4657 VT2PRIB	VT2PB	96	222.6	16.8	1	\$767	12	264.9
HEFTY	H4612VT2PRIB	VT2PB	96	222.3	16.6	1	\$766	13	252.9
INTEGRA	4601 VT2P	VT2P	96	222.2	16.8	2	\$765	14	244.1

Figure 5 Soybean Performance Summary

ALL-SEASON TEST MATURITY GROUP 1.8-2.5 Top 30 of 72 tested									
Company/Breed	Product/Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Rank	
									A B C D
CREDENZ	C2 212 GTLL GC	LLGT27	2.1	68.8	11.1	6	\$619	72.8	61.8
HEFTY	H5000000	RRX	2.0	68.0	10.8	6	\$609	70.3	60.7
GENESIS	G1790GL	LLGT27	2.1	67.5	10.9	8	\$507	73.0	61.7
GOLDEN HARVEST	GH2230X	RRX	2.2	66.8	11.0	6	\$602	64.7	66.9
TITAN PRO	2.2342019	E3	2.2	66.7	11.3	9	\$600	65.5	62.4
HEFTY	H4623A15X U	RRX	2.2	66.4	11.0	8	\$598	67.9	63.1
CREDENZ	C2 2040GTL GC	LLGT27	2.0	66.4	10.8	6	\$598	71.3	65.5
GENESIS	G2550	E3	2.5	66.4	11.1	8	\$598	70.3	62.8
LATHAN	L 2295 R2X	RRX	2.2	65.6	10.8	7	\$595	70.3	64.7
LATHAN	L 2295 R2X	RRX	2.2	65.9	10.6	7	\$594	69.2	62.9
GENESIS	G2350E	E3	2.3	65.8	11.1	8	\$592	64.0	64.2
DARYLAND	DSR-2590E	E3	2.5	65.8	11.6	12	\$592	62.4	68.2
ASGROW	AG2020 X U	RRX	2.0	65.7	10.9	12	\$591	57.8	62.0

PERFORMANCE MEASUREMENTS

- A Yield (Bu/A)** – Harvested grain weight and grain moisture are used to convert yield results to bushels per acre at 15% moisture (base moisture) for corn and 13% moisture for soybean. Grain shrinkage is additionally applied to product yields exceeding the base moisture.
- B Moisture (%)** – A calibrated electronic sensor measures moisture content of harvested grain.
- C Lodging (%)** – Estimated percentage of corn plants leaning more than 45° from vertical or stalks broken below the ear at harvest. Encompasses both stalk and root lodging. Estimated soybean plant leaning (0% = all plants vertical, 100% = all plants flat on the ground).
- D Gross Income (\$/A)** – Harvested crop value in dollars per acre is derived by multiplying crop yield and price per bushel minus drying costs, if any, to reach base moisture. Each Harvest Report and Performance Summary details specific crop price and drying costs.
- E Gross Income Rank** – Gross Income values are sorted from high to low then numbered consecutively (1, 2, 3...) from highest to lowest value. Ties are broken based on higher yield, lower lodging and lower moisture values.

For more yield results visit www.firstseedtests.com
FIRST does not make product endorsements.

STATISTICS REPORTED

Least Significant Difference (LSD) is provided on all replicated results to facilitate valid product comparisons. Statistically, the LSD value is the minimum difference needed between two products to declare that one product is greater than another. FIRST calculates LSD at the 10% level ($p = 0.10$). Product yield differences equal or greater than the LSD (0.10) value would have been greater one versus the other nine times out of 10 (90% probability). Typically, low LSD values indicate high-quality test results. However, keep in mind that LSD values increase as: test yield level increases, p values decrease [i.e. LSD (0.05) value > LSD (0.10) value > LSD (0.25) value] and as data variability increases. Just because LSD values are higher in some tests vs. others does not mean the results are low quality. Multiple factors have a role in LSD value magnitude.

Coefficient of Variance (CV) measures the average difference between the replications of a test entry, averaged for all the entries in the test, then divided by the average of all observations recorded and expressed as a percentage. Higher values indicate more unexplained variability in proportion to the test average than lower values. Researchers within the seed industry may drop yield data from consideration when CV's are above 15% because the unexplained variance is high or the yield level is low or both. Low yield levels at a test site do not estimate yield potential well, nor are there as many or as great a difference between hybrids and varieties compared to higher yield conditions.

Data Rejected – If a data table has “Data Rejected” stamped across it, we have deemed this data is highly variable and of very poor quality, typically due to weather or uncontrolled factors. Rejection decisions are based on statistical analysis of yield results. Data with very high CV and/or low F-test values (the ratio of variability between entry averages divided by the variability between entry replications) are often rejected.

OTHER INFORMATION

Estimated Maturity (corn only) – Product maturity is determined by linear regression comparison of harvest grain moisture and company stated relative maturity (RM). Products with estimated maturity exceeding the test maximum by at least 1 RM are identified in italics. These products may have an unfair yield advantage over peers due to later maturity.

Bold Identified Means – These product means are significantly better than the test average for that measured parameter.

Check Product (CK) – When early- and full-season tests are conducted at a site, an identical check product is planted in both tests. Check yield results allow growers to comparatively view product performance in both early- and full-season tests. No product yield adjustments are made based on check performance.

Grower Comparison (GC) products – These products, identified with a “GC” product name suffix, are often supplied by growers hosting test sites and included when space permits. Grower comparison products allow direct comparison to products in our tests.

United Soybean Board (USB) Products (soybean only) – Products identified with a “\$” product name suffix are funded by soybean checkoff dollars. This program strives to gather yield and grain composition results from genetics that otherwise would not be available.

TECHNOLOGY CODE LEGEND

Product Suffix Key

CK	Check product found in early- and full- season tests
GC	Grower Comparison product from farmer cooperator or field manager
\$	United Soybean Board sponsored entry

Corn Seed Technology Key

CODE	DESCRIPTION
3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3011	Agrisure® 3011 (CB,RW,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
A	Agrisure® Artesian®
AT	Agrisure® Total (CB,HXX,RW,LL,GT), formerly Agrisure® 3122
AM	Optimum® AcreMax® (YGC8,HX,LL,RR2)
AM1	Optimum® AcreMax® 1 (HXT,LL,RR2)
AML	Optimum® AcreMax® Lepta (Vip,YGCB,HX,LL,RR2)
AQ	Optimum® AQUAmax®
CONV	conventional corn
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
DVZ	DuracadeViptera™ Z3 (Vip,CB,VTP,RW,RW2,LL,GT), formerly Agrisure Duracade® 5332
DG	DroughtGard®
E	Enlist™ (2,4-D, glyphosate, fop tolerance)
GT	Agrisure® GT
GTA	Agrisure® GTA
PC	PowerCore™ (HX,VT2P)
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax® (VT3PHXX)

STXP	SmartStax® PRO (VT3PHXX)
TRE	Trecepta®
VT2P	VT Double PRO®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220

Soybean Seed Technology Key

CODE	DESCRIPTION
CONV	Conventional
E3	Enlist E3® (2,4-D, choline, glyphosate, LL)
LLGT27	LibertyLink® GT27®
RR	glyphosate tolerant (formerly Roundup Ready)
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

CODE	SOYBEAN CYST NEMATODE DESCRIPTION
NA	information is not available
S	susceptible
MR	moderate resistance
R	resistant

FIRST would like to thank the United Soybean Board for support and funding for the soybean entry and quality reporting program.

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CORN REGIONS: MNWC, MNSW, MNSE



Site Description: MNWC (See corn results table on page 6)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Belgrade	Michael Stamer	loam	conventional	sugar beets	210	17-May	26-Oct	34.7	199.3	—	new site
Clinton	Doug Nelson	loam	conventional	soybeans	150	28-May	20-Oct	34.5	211.3	197.8	16
Kerkhoven	Rod and Brody Lindquist	loam	conventional	corn	50	28-May	22-Oct	35.3	208.1	204.8	6
Lester Prairie	Nathan Ide	loam	conventional	corn, 2+ yr	180	17-May	25-Oct	34.4	189.3	195.3	9
Montevideo	Dusten Williamson	silty clay loam	conventional	soybeans	175	24-May	19-Oct	34.5	215.8	196.1	2
Starbuck	Matt Moe	loam	conventional	soybeans	145	24-May	21-Oct	35.5	153.5	202.6	6
								MNWC	195.1	20	

Site Description: MNSW (See corn results table on pages 7–8)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Easton	Dru Martin	silty clay loam	conventional	soybeans	207	16-May	23-Oct	33.3	230.3	209.7	21
Jackson	Steve Ryberg	clay loam	conventional	soybeans	186	16-May	22-Oct	33.6	244.0	203.8	20
Jeffers	Rick Quade	loam	strip till	soybeans	146	22-May	28-Oct	33.3	203.9	195.0	15
Lamberton	Ed Iverson	clay loam	conventional	soybeans	175	23-May	29-Oct	33.3	189.9	198.3	4
Mankato	Greg Scheurer	clay loam	conventional	soybeans	171	11-May	24-Oct	33.7	218.2	217.7	3
Truman	Dan Helvig	loam	conventional	soybeans	160	16-May	27-Oct	33.1	223.6	190.1	3
								MNSW	195.3	21	

Site Description: MNSE (See corn results table on pages 8–9)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Cannon Falls	Marc Hernke	silt loam	conventional	soybeans	140	19-May	1-Nov	32.8	253.5	214.5	21
Dexter	Eric Lee	silt loam	conventional	soybeans	166	12-May	25-Oct	33.3	214.3	206.1	13
Eyota	Arthur & Paul Wendt	silt loam	conventional	soybeans	185	17-May	30-Oct	32.1	226.7	210.7	20
Kasson	Brian Herbst	silt loam	conventional	soybeans	197	11-May	26-Oct	32.9	239.0	219.1	21
Nerstrand	Keith, Kurt and Brian Schrader	silt loam	conventional	soybeans	150	15-May	31-Oct	ND	ND	229.5	3
New Richland	Leon Schoenrock	clay loam	conventional	soybeans	135	10-May	21-Oct	33.6	237.3	204.1	21
								MNSE	204.1	21	

CORN REGIONAL ANNUAL YIELD AVERAGES FOR 2018–2022

FIRST Region	2022	Average Yield by Year (Bu/A)				Since Inception	
		2021	2020	2019	2018	Bu/A	#Years
MNWC	195.8	214.2	202.5	207.1	212.2	195.1	20
MNSW	217.9	205.7	227.9	203.6	196.3	195.3	21
MNSE	233.7	235.2	239.5	224.9	218.3	204.1	21

Corn Results: MNWC (See site description on page 5)

EARLY-SEASON TEST | 93-98 Day CRM | Top 30 of 45 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Belgrade	Clinton	Kerkhoven	Lester Prairie	Montevideo	Starbuck [†]
Gold Country	98-15RSS	STX	98	206.2	16.9	0	\$1,328	1	216.2	199.9	225.4	215.4	211.2	169.2
Dairyland	DS-3601AM	AM	96	205.1	16.1	0	\$1,325	2	191.1	215.8	226.5	234.4	226.9	136.1
Thunder	T6298 VT2P	VT2P	98	204.6	16.6	0	\$1,318	3	212.0	206.0	240.0	201.7	237.1	130.6
Federal	4830 TRE	TRE	98	202.6	16.8	0	\$1,305	4	198.8	205.3	204.9	205.7	235.4	165.4
Federal	4833 VT2P	VT2P	98	201.3	16.6	0	\$1,298	5	209.2	203.8	214.2	188.4	236.9	155.6
Epley	E9807TRE	TRE	98	200.8	16.7	0	\$1,294	6	197.7	214.4	209.7	200.7	219.6	162.7
Enestvedt	E658DP RIB	VT2P	96	199.4	16.5	0	\$1,287	7	204.7	202.2	206.0	206.6	228.1	149.1
Renk	RK590VT2P	VT2P	98	199.3	16.8	0	\$1,284	8	189.5	210.2	209.7	205.6	219.0	161.6
Gold Country	97-14R2P	VT2P	97	198.5	16.2	0	\$1,282	9	202.7	206.8	216.0	203.4	215.2	146.7
Titan Pro	11-98 2P	VT2P	98	197.7	16.6	0	\$1,274	10	186.7	209.1	225.7	203.1	212.2	149.6
Jacobsen	JS8053TRE	TRE	98	197.7	16.8	0	\$1,273	12	189.6	204.7	216.8	189.7	241.5	144.0
Dairyland	DS-3550AM	AM	95	197.2	16.2	0	\$1,273	13	212.0	179.3	225.4	210.0	217.9	138.4
Jacobsen	JS7045VT2P GC	VT2P	95	196.8	15.7	0	\$1,274	11	208.6	210.5	203.3	185.6	224.9	148.1
Latham	LH 4517 VT2P RIB	VT2P	95	196.3	15.8	0	\$1,270	14	199.9	227.9	200.2	193.6	217.4	139.1
Anderson	786R	RR2	95	196.2	16.0	0	\$1,269	15	204.9	195.4	226.1	179.9	217.6	153.6
Renk	RK561DGVT2P	VT2PDG	95	196.2	16.0	0	\$1,267	16	209.0	221.8	212.7	180.9	222.8	130.0
Hefty	H4653 RIB	VT2PDG	96	195.8	16.3	0	\$1,264	17	186.0	212.1	187.8	197.7	238.6	152.7
Golden Harvest	G95D32-V GC	V	95	195.8	16.7	0	\$1,261	18	189.3	198.1	224.3	205.7	230.6	126.9
Dairyland	DS-3727AM	AM	97	195.2	16.7	0	\$1,257	20	203.6	173.9	220.9	218.9	211.8	141.9
Thunder	T6398 TRE	TRE	98	195.0	17.0	0	\$1,255	21	182.1	206.6	210.3	208.3	220.1	142.9
Gold Country	95-36RSS	STX	95	195.0	16.3	0	\$1,259	19	184.6	193.4	246.3	184.4	217.0	144.5
Augusta	A2148-3220-EZ	V	98	194.9	17.5	0	\$1,252	25	210.9	199.5	194.8	210.2	203.7	150.2
Enestvedt	E692	TRE	98	194.6	16.8	0	\$1,254	22	196.4	195.7	227.4	187.0	218.9	142.5
Thunder	T8396 SS	STX	96	194.4	16.8	0	\$1,252	24	200.5	211.7	216.8	174.9	217.7	144.7
Latham	LH 4657 VT2P RIB	VT2P	96	194.1	16.5	0	\$1,252	26	190.7	190.5	206.2	205.0	224.8	147.2
Dairyland	DS-3477AM	AM	94	193.9	16.1	0	\$1,253	23	183.0	192.5	210.4	196.8	221.1	159.5
Golden Harvest	G97A36-V	V	97	192.9	17.2	0	\$1,241	27	188.9	210.7	192.9	214.8	227.2	123.2
Hefty	H4462	VT2P	94	191.2	15.8	0	\$1,237	28	198.0	195.0	211.9	188.7	208.2	145.2
Hefty	H4844 RIB	STX	98	190.7	16.4	0	\$1,230	29	181.5	202.9	208.2	189.7	218.1	143.8
Latham	LH 4669 SS RIB	STX	96	190.1	16.4	0	\$1,227	30	193.5	181.6	217.2	190.0	205.2	153.4
Pioneer	P0075AM CK	AM	100	182.0	18.0	0	\$1,166	42	176.0	187.5	208.8	164.9	207.6	147.2
Averages =				192.6	16.4	0	\$1,243		194.8	199.0	208.6	194.4	216.3	141.5
LSD (0.10) =				9.0	0.3	ns			16.2	13.1	18.6	17.8	14.1	18.7

FULL-SEASON TEST 99-102 Day CRM Top 30 of 41 tested															Results in BOLD are significantly above test average.		
Renk	RK615SSTX	STX	102	213.9	17.6	0	\$1,373	1	193.8	226.0	233.3	214.9	226.4	189.2			
Thunder	T6999 VT2P	VT2P	99	212.2	16.5	0	\$1,369	2	230.4	222.8	209.8	205.5	226.8	177.9			
Latham	LH 4957 VT2P RIB	VT2P	99	212.2	16.9	0	\$1,367	3	244.4	231.9	198.5	197.0	227.6	173.8			
Integra	4993 TRERIB	TRE	99	212.1	17.2	0	\$1,364	5	227.8	236.5	221.5	199.4	226.3	161.2			
Federal	5120 TRE	TRE	101	211.9	16.7	0	\$1,366	4	219.6	238.4	213.3	190.3	243.4	166.3			
Dairyland	DS-3900AM	AM	99	210.8	17.6	0	\$1,354	6	211.2	228.0	225.1	188.5	223.2	189.0			
Latham	LH 5245 VT2P RIB	VT2P	102	207.5	17.9	0	\$1,330	7	207.2	234.0	213.6	198.1	219.7	172.3			
Renk	RK600VT2P	VT2P	100	205.5	16.7	0	\$1,324	8	213.9	222.6	205.1	205.4	210.5	175.7			
Golden Harvest	G00A97-AA	AA	100	205.1	17.9	0	\$1,315	9	202.2	224.8	202.5	184.1	223.8	193.3			
Dairyland	DS-4014Q	QR	100	204.7	17.2	0	\$1,315	10	199.1	229.5	223.4	184.2	221.1	171.0			
Integra	5280 VT2PRIB	VT2P	102	204.4	17.6	0	\$1,312	12	208.5	223.2	214.7	209.1	218.3	152.4			
Hefty	H5055	TRE	100	204.2	16.8	0	\$1,315	11	221.9	217.8	215.8	200.6	223.8	145.5			
Federal	5280 VT2PRIB	VT2P	102	204.1	17.4	0	\$1,311	14	220.5	235.4	223.0	183.8	202.1	159.7			
Thunder	T6300 VT2P	VT2P	100	203.9	17.4	0	\$1,311	15	188.5	228.2	205.9	196.5	221.0	183.5			
Hefty	H5254	STX	102	203.9	17.8	0	\$1,308	16	195.8	234.4	217.6	185.7	220.6	169.3			
Anderson	681VT2P	VT2P	100	203.8	17.0	0	\$1,312	13	229.9	231.8	188.5	187.4	212.8	172.4			
Hefty	H5062	VT2P	100	203.5	17.4	0	\$1,308	17	205.7	246.4	204.0	191.9	202.0	171.1			
Renk	RK597SSPRO	STXP	99	202.9	16.8	0	\$1,308	18	187.5	229.6	221.5	195.1	208.9	174.9			
Gold Country	101-51RSP	STXP	101	202.0	18.1	0	\$1,293	21	201.1	229.1	224.6	185.0	212.5	159.9			
Gold Country	100-19TRE	TRE	100	201.6	16.9	0	\$1,299	20	204.3	232.3	214.3	184.7	227.1	146.9			
Latham	LH 4937 VT2P RIB	VT2P	99	201.6	16.6	0	\$1,301	19	230.7	223.8	168.9	170.5	219.3	196.3			
Augusta	A22-250	AA	100	201.3	18.0	0	\$1,290	24	221.1	225.7	206.7	163.3	222.7	168.2			
Dairyland	DS-3959Q	QR	99	200.9	18.0	0	\$1,287	26	168.9	224.4	227.8	203.9	217.9	162.4			
Dairyland	DS-4018AM	AM	101	200.7	17.1	0	\$1,290	23	197.3	229.1	232.6	169.2	216.9	158.9			
Gold Country	99-01R2P	VT2P	99	200.6	16.9	0	\$1,292	22	203.4	223.5	204.9	195.5	219.6	156.8			
Enestvedt	E600DP RIB	VT2P	99	200.1	17.1	0	\$1,288	25	191.9	215.8	207.0	178.3	212.9	194.8			
Dairyland	DS-4219AM	AM	102	199.3	17.6	0	\$1,279	28	203.3	220.3	226.5	141.8	230.7	173.0			
Latham	LH 5047 VT2P RIB	VT2P	100	198.9	16.7	0	\$1,282	27	221.2	221.3	191.2	172.6	216.5	170.5			
Renk	RK579DGVT2P	VT2PDG	99	197.2	17.1	0	\$1,270	29	202.8	226.4	191.5	177.0	223.8	162.0			
Hefty	H4933 RIB	VT2PDG	99	196.1	17.1	0	\$1,261	30	213.3	223.2	195.1	173.2	221.3	150.4			
Pioneer	P0075AM CK	AM	100	185.5	17.8	0	\$1,189	39	175.3	213.5	203.5	156.7	205.5	158.3			
Averages =				200.2	17.4	0	\$1,286		204.0	224.3	207.5	183.4	215.0	166.0			
LSD (0.10) =				9.2	0.4	ns			19.0	10.8	18.5	19.4	14.0	16.9			

[†]2 replications full-season test.

Corn Results: MNSW (See site description on page 5)

EARLY-SEASON TEST | 97-102 Day CRM | Top 30 of 72 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Easton	Jackson	Jeffers	Lamberton [†]	Mankato	Truman
Dairyland	DS-3900AM	AM	99	239.9	15.2	0	\$1,614	1	267.4	262.8	200.7	212.6	238.9	256.7
Dairyland	DS-4219AM	AM	102	236.5	15.3	0	\$1,592	2	254.6	266.6	222.5	215.2	224.7	235.2
Pioneer	P0220AM GC	AM	102	232.1	15.3	0	\$1,561	3	268.2	244.0	205.4	179.1	242.4	253.3
Wyffels	W1996	VT2P	98	231.2	14.4	0	\$1,559	4	223.9	270.2	209.9	204.3	237.9	240.9
Augusta	A2150-5222-EZ	DV	100	228.1	16.0	0	\$1,530	5	236.5	231.0	225.8	204.0	216.8	254.5
Augusta	A3052-5222-EZ	DV	102	227.7	16.1	0	\$1,526	6	242.3	242.6	208.5	203.5	217.6	251.5
Pioneer	P0075AM GC	AM	100	223.6	15.0	0	\$1,506	7	251.8	238.2	186.9	199.6	228.2	237.2
Renk	RK615SSTX	STX	102	222.9	14.9	0	\$1,500	8	256.7	250.3	182.6	198.9	220.9	227.7
Prairie Hybrids	1663 GC	CONV	101	221.8	15.0	0	\$1,492	10	222.5	251.0	225.3	180.3	205.8	245.8
Gold Country	101-51RSP	STXP	101	221.7	15.4	0	\$1,491	12	223.4	237.4	195.9	209.4	241.5	223.0
Heine	65550	VT2P	98	221.5	14.7	0	\$1,493	9	214.4	249.8	204.8	209.7	233.7	216.8
Titan Pro	26-00	CONV	100	221.5	15.0	0	\$1,491	11	245.1	263.3	219.8	194.3	204.7	202.0
Latham	LH 5209 DV	DV	102	221.3	15.7	0	\$1,486	13	226.6	237.2	214.8	198.0	246.9	204.1
Latham	LH 5159 SS RIB	STX	101	220.6	15.2	0	\$1,485	15	221.7	250.6	213.2	190.7	222.5	224.8
Jacobsen	JS7107VT2PR	VT2P	102	220.5	14.8	0	\$1,485	14	221.1	230.4	217.7	193.3	221.7	239.0
Integra	4993 TRERIB	TRE	99	219.5	14.5	0	\$1,481	16	252.2	230.8	201.3	187.7	233.9	210.9
Wyffels	W1758	STX	97	218.6	14.4	0	\$1,475	17	241.4	243.2	203.8	182.2	223.0	218.2
Titan Pro	84-01	CONV	101	217.7	14.8	0	\$1,467	18	231.7	261.7	201.2	195.6	210.1	206.1
Dairyland	DS-3959Q	QR	99	217.4	15.4	0	\$1,461	21	228.7	247.6	178.9	199.9	227.8	221.2
Latham	LH 5245 VT2P RIB	VT2P	102	216.9	14.8	0	\$1,461	19	237.3	223.7	198.6	183.1	220.5	237.9
Dairyland	DS-3727AM	AM	97	216.8	14.7	0	\$1,461	20	225.9	245.5	210.1	183.8	222.9	212.5
Viking	46-02	CONV	102	216.3	14.6	0	\$1,458	22	245.0	235.8	199.6	212.7	193.3	211.1
Golden Harvest	G02K39-D	D	102	216.2	15.1	0	\$1,455	23	213.9	231.9	227.7	193.9	214.8	214.8
Dairyland	DS-4014Q	QR	100	215.3	15.3	0	\$1,448	26	242.1	234.2	188.6	194.3	204.9	227.9
Titan Pro	11-98 2P	VT2P	98	214.9	14.4	0	\$1,449	25	228.8	247.5	199.9	187.7	212.2	213.2
Anderson	5072	CONV	102	214.8	14.8	0	\$1,448	27	231.4	247.9	200.0	209.0	230.5	170.0
Golden Harvest	G00A97-AA	AA	100	214.2	15.2	0	\$1,441	28	227.5	238.7	215.8	163.9	222.7	216.6
Anderson	609R	RR2	98	213.3	14.4	0	\$1,440	29	244.8	228.3	184.8	186.1	211.8	224.1
Titan Pro	26-02 PCE	PC,E	102	213.0	15.8	1	\$1,429	31	231.4	235.8	184.9	191.2	201.1	233.4
Renk	RK590VT2P	VT2P	98	212.3	14.8	0	\$1,430	30	234.5	239.0	189.7	174.3	220.0	216.3
DeKalb	DKC52-18RIB CK	STX	102	215.5	14.9	0	\$1,451	24	234.9	247.2	193.6	188.6	210.1	218.8
Averages =				210.9	14.8	0	\$1,421		222.9	235.6	195.9	187.3	210.2	212.5
LSD (0.10) =				9.3	0.2	ns			17.0	15.6	19.7	18.7	17.5	27.6

FULL-SEASON TEST 103-107 Day CRM Top 30 of 42 tested															Results in BOLD are significantly above test average.			
Federal	5610 CONV	CONV	106	244.5	16.5	0	\$1,635	1	265.6	273.0	221.7	219.8	223.4	263.5				
Titan Pro	24-04	CONV	104	240.9	16.7	0	\$1,609	2	255.0	259.1	219.5	217.9	219.2	274.6				
Hefty	H5666	PC,E	106	239.3	17.1	0	\$1,595	3	244.8	262.6	216.6	235.1	224.6	252.1				
Viking	72-06	CONV	106	238.4	16.6	0	\$1,592	4	265.6	278.8	218.7	199.7	207.0	260.3				
Titan Pro	24-05 PCE	PC,E	105	237.9	16.7	0	\$1,589	5	257.0	250.4	230.4	187.4	231.9	270.2				
Federal	5610 PCE	PC,E	106	236.7	16.7	0	\$1,580	7	245.0	273.1	224.6	197.8	224.1	255.5				
Latham	LH 5646 PCE	PC,E	106	236.5	16.8	0	\$1,579	9	236.6	249.9	227.5	210.9	226.3	268.2				
Renk	RK710DGVT2P	VT2PDG	107	236.1	15.9	0	\$1,583	6	249.0	253.8	227.2	199.0	238.6	249.1				
Integra	5719 VT2PRIB	VT2P	107	235.8	16.3	0	\$1,579	8	247.2	268.1	231.1	210.1	237.8	220.3				
Gold Country	106-79RSP	STXP	106	234.5	16.4	0	\$1,570	10	241.3	271.6	195.8	207.2	239.6	251.4				
Golden Harvest	G07G73-D	D	107	233.7	17.3	0	\$1,556	13	244.0	264.5	213.4	214.5	230.7	235.1				
Latham	LH 5725 VT2P RIB	VT2P	107	233.5	16.7	0	\$1,559	12	233.7	258.3	219.4	208.8	239.9	240.7				
Hefty	H5764	STXP	107	233.4	16.1	0	\$1,564	11	248.3	264.5	206.3	200.5	248.1	233.0				
Renk	RK720TRE	TRE	106	229.1	15.6	0	\$1,539	14	229.5	274.2	202.7	198.1	222.2	247.8				
Gold Country	107-83R2P	VT2P	107	228.4	17.1	0	\$1,522	18	257.9	263.2	201.4	168.6	220.3	259.2				
Heine	75800	TRE	105	228.3	15.7	0	\$1,533	15	230.1	260.5	217.9	180.2	228.9	252.3				
Viking	84-05	CONV	105	227.8	15.8	0	\$1,528	16	246.9	257.1	219.2	205.2	201.3	236.8				
Hefty	H5655	TRE	106	227.7	15.8	0	\$1,528	17	252.0	261.9	203.1	192.3	216.8	239.9				
Dairyland	DS-4567Q	QR	105	226.5	17.1	0	\$1,509	20	252.6	246.7	210.8	192.8	212.9	243.1				
Heine	76500	VT2P	106	226.3	16.5	0	\$1,514	19	223.9	246.5	200.9	202.8	230.5	253.2				
Wyffels	W3576	VT2P	103	224.9	15.9	0	\$1,508	21	234.0	272.0	168.7	198.0	229.2	247.5				
Wyffels	W4025	TRE	105	222.7	15.8	0	\$1,494	22	225.5	260.0	194.2	195.2	222.3	239.0				
Heine	75600	STX	105	222.2	16.3	0	\$1,488	23	239.2	251.3	224.6	169.6	221.7	227.0				
Gold Country	104-75RSP	STXP	104	221.7	16.0	0	\$1,485	26	238.1	256.3	198.2	182.5	240.1	214.8				
Latham	LH 5559 SS RIB	STX	105	221.5	15.6	0	\$1,487	24	221.5	254.0	216.8	175.3	227.7	233.6				
Wyffels	W4246RIB	VT2P	105	221.4	16.0	0	\$1,484	27	228.8	240.9	217.4	168.2	232.5	240.8				
Integra	5443 DGVT2PRIB	VT2PDG	104	220.7	14.9	0	\$1,486	25	247.7	237.7	211.8	191.9	211.2	223.9				
Titan Pro	26-03 5222	DV	103	220.5	17.3	0	\$1,468	30	223.3	234.9	191.1	203.9	220.5	249.4				
Renk	RK715SSTX	STX	105	220.5	16.3	0	\$1,477	28	216.7	242.9	185.5	211.9	229.1	237.1				
Gold Country	106-96RSS	STX	106	220.2	16.8	0	\$1,471	29	228.0	251.6	193.1	191.3	222.8	234.5				
DeKalb	DKC52-18RIB CK	STX	102	216.7	15.5	0	\$1,456	32	224.7	237.9	204.5	195.9	205.6	231.8				
Averages =				224.9	16.2	0	\$1,506		234.9	252.8	206.9	192.9	223.3	238.7				
LSD (0.10) =				9.5	0.3	ns			17.7	15.3	16.7	25.8	14.6	21.2				

*2 replications full-season test.

Corn Results: MNSW (See site description on page 6)

ULTRA LATE-SEASON TEST | 108–112 Day CRM | Top 30 of 30 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Easton	Jackson	Jeffers	Lamberton [#]	Mankato	Truman
Brevant	B09Z08AM GC	AM	109	240.3	17.5	0	\$1,598	1	262.2	253.5	238.9	200.0	257.8	229.7
Dairyland	DS-5095AM	AM	110	237.0	17.9	0	\$1,571	2	275.2	252.5	234.8	209.6	223.6	226.3
Wyffels	W7510	CONV	112	236.4	18.1	0	\$1,566	3	242.4	258.9	245.9	205.4	217.5	248.5
Dairyland	DS-4917AM	AM	109	235.2	17.4	0	\$1,564	4	265.1	271.5	215.4	197.0	234.7	227.5
Pioneer	P0924Q GC	QR	109	234.5	17.5	0	\$1,559	6	242.3	260.7	221.9	210.3	230.8	240.8
Latham	LH 6227 VT2P RIB	VT2P	112	234.1	17.1	0	\$1,560	5	234.3	255.8	233.6	217.6	226.3	237.2
Pioneer	P1185Q GC	QR	111	234.1	17.9	0	\$1,553	9	238.9	234.2	226.8	218.8	233.8	252.2
Renk	RK821SSTX	STX	111	233.6	17.0	0	\$1,558	7	250.8	260.3	215.3	199.0	236.8	239.3
Latham	LH 5847 VT2P RIB	VT2P	108	233.6	17.1	0	\$1,557	8	249.8	263.2	221.3	196.7	239.2	231.2
Pioneer	P1082AM GC	AM	110	232.1	17.6	0	\$1,542	10	247.2	258.5	224.0	196.1	228.1	238.6
Prairie Hybrids	6878 GC	CONV	112	231.8	17.8	0	\$1,538	11	244.2	252.4	225.8	211.3	209.6	247.4
Titan Pro	70-12	CONV	112	230.5	17.7	0	\$1,531	13	236.6	251.8	226.4	202.1	236.6	229.8
Renk	RK826VT2P	VT2P	111	229.9	17.3	0	\$1,531	14	235.5	267.3	233.0	190.1	238.3	215.2
Renk	RK830SSTX	STX	112	229.3	16.6	0	\$1,532	12	239.0	253.7	231.7	167.7	243.5	240.4
Latham	LH 6146 TRE RIB	TRE	111	229.1	17.6	0	\$1,522	16	236.3	262.9	229.8	184.7	230.0	230.7
Dairyland	DS-4878AM	AM	108	228.5	16.6	0	\$1,528	15	237.9	249.4	222.2	189.4	251.1	221.2
Wyffels	W5778RIB GC	STX	109	226.7	16.4	0	\$1,518	17	257.9	239.8	214.5	207.9	230.2	209.8
Latham	LH 6155 VT2P RIB	VT2P	111	225.9	16.9	0	\$1,507	19	234.1	244.2	227.2	169.9	246.1	233.8
Renk	RK774VT2P	VT2P	108	225.2	16.2	0	\$1,509	18	247.1	258.0	219.6	176.6	233.3	216.6
DeKalb	DKC59-82RIB GC	VT2P	109	224.0	16.7	0	\$1,497	20	223.1	261.6	206.6	181.1	243.2	228.6
Latham	LH 6097 VT2P RIB	VT2P	110	223.5	17.3	0	\$1,488	21	221.8	266.2	223.8	178.9	236.8	213.7
Wyffels	W6826RIB	VT2P	111	222.0	16.6	0	\$1,484	22	232.4	259.5	202.0	185.8	236.1	216.3
Wyffels	W6935	TRE	111	221.2	17.3	0	\$1,472	23	241.7	234.8	212.8	187.4	217.0	233.2
Renk	RK801SSTX	STX	110	220.6	17.1	0	\$1,470	24	244.1	232.3	215.2	188.2	235.8	207.8
Viking	85-09	CONV	109	218.2	16.8	0	\$1,456	25	260.2	246.2	211.2	186.2	201.8	203.3
Titan Pro	11-11	CONV	111	217.0	16.1	1	\$1,454	26	222.7	246.8	188.2	174.8	226.4	243.2
Titan Pro	92-09	CONV	109	216.4	16.1	0	\$1,450	27	234.1	241.0	186.5	190.3	213.0	233.2
Renk	RK805VT2P	VT2P	110	214.7	16.8	0	\$1,433	29	232.1	228.4	211.0	164.4	227.3	224.8
Viking	48-08	CONV	108	214.4	16.3	0	\$1,435	28	219.2	258.8	208.0	166.3	205.6	228.2
Renk	RK700SSTX	STX	108	206.9	16.0	0	\$1,387	30	221.9	234.5	187.7	192.2	198.4	206.5
Averages =				226.9	17.0	0	\$1,512		240.8	252.1	218.4	191.5	229.6	228.7
LSD (0.10) =				9.0	0.3	ns			16.6	14.5	18.2	17.7	15.4	16.3

Corn Results: MNSE (See site description on page 6)

ULTRA EARLY-SEASON TEST | 92–96 Day CRM | Top 30 of 30 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Cannon Falls	Dexter	Eyota	Kasson	Nerstrand [#]	New Richland
Augusta	A1946-3120	AA	95	254.1	17.4	0	\$1,691	1	279.9	243.0	237.2	258.6	256.5	251.7
Dairyland	DS-3550AM	AM	95	248.1	17.2	0	\$1,653	2	272.6	235.2	240.1	247.7	235.2	244.6
Augusta	A1943-3120	AA	93	247.2	17.5	0	\$1,644	3	257.9	247.2	246.6	238.7	223.5	245.4
Augusta	A2545-5222	DV	95	246.7	17.5	0	\$1,640	4	270.1	229.5	250.9	250.3	232.5	232.8
Titan Pro	85-96	CONV	96	237.3	16.9	0	\$1,584	5	246.9	211.5	242.3	242.0	—	243.7
Renk	RK502SSTX	STX	95	236.5	16.9	0	\$1,578	6	246.5	230.0	240.7	241.7	229.9	223.9
Pioneer	P9619AM GC	AM	96	235.7	17.5	0	\$1,567	9	260.4	234.4	233.1	216.8	222.0	233.7
Dairyland	DS-3477AM	AM	94	235.2	17.1	0	\$1,568	8	256.5	229.3	240.6	230.9	218.1	218.6
Dairyland	DS-3601AM	AM	96	235.0	16.9	0	\$1,569	7	259.0	218.4	228.9	238.2	232.4	230.3
Dairyland	DS-3203AM	AM	92	232.4	16.4	0	\$1,556	10	251.9	236.8	245.5	215.1	231.1	212.6
Gold Country	96-49RSS	STX	96	231.8	17.6	0	\$1,541	11	257.6	212.6	221.5	241.3	231.0	225.8
Titan Pro	91-95	CONV	95	229.9	17.0	0	\$1,533	12	257.9	216.5	213.8	223.4	—	237.7
Anderson	7865	CONV	95	228.8	16.7	0	\$1,528	13	247.4	216.1	220.5	237.3	—	222.5
Dairyland	DS-3366AM	AM	93	228.5	16.6	0	\$1,528	14	252.1	218.2	232.2	226.2	223.8	213.6
Viking	52-96	CONV	96	226.9	16.8	0	\$1,515	15	242.1	210.4	218.2	240.9	—	223.0
Federal	4680 VT2PRIB	VT2P	96	224.6	16.3	0	\$1,505	16	235.5	214.3	216.5	229.7	221.8	227.1
LG Seeds	LG46C73VT2PRIB GC	VT2P	96	224.2	17.0	0	\$1,495	17	234.9	200.1	225.4	225.7	222.8	234.7
Pioneer	P9492AM GC	AM	94	223.6	16.7	0	\$1,494	18	230.6	204.6	240.5	222.3	220.8	220.1
Gold Country	95-36RSS	STX	95	222.6	16.7	0	\$1,487	19	236.3	204.3	229.2	238.0	227.0	205.1
DeKalb	DKC45-94RIB GC	STX	95	222.6	16.7	0	\$1,487	20	237.9	198.3	216.5	230.4	207.1	229.7
Prairie Hybrids	410 GC	CONV	91	222.5	16.8	0	\$1,486	21	247.4	213.7	220.5	218.8	—	212.0
Renk	RK561DGVT2P	VT2PDG	95	222.2	16.9	0	\$1,483	22	244.6	206.1	209.2	223.7	233.8	227.4
Wyffels	W1306	VT2P	93	221.3	16.7	0	\$1,479	24	232.3	213.4	230.6	226.3	231.4	204.0
Viking	42-92	CONV	92	221.1	16.5	0	\$1,480	23	239.9	196.7	216.7	228.8	—	223.6
Federal	4520 VT2PDG	VT2PDG	95	219.4	16.8	0	\$1,465	25	236.7	224.5	203.2	218.8	226.7	214.1
Renk	RK444VT2P	VT2P	93	219.0	16.6	0	\$1,464	26	239.4	199.4	224.6	226.0	224.8	205.9
Federal	4580 VT2PRIB	VT2P	95	218.6	17.1	0	\$1,456	27	239.6	204.5	213.9	222.8	232.7	212.0
Jacobsen	JS7045VT2PR	VT2P	95	216.0	16.3	0	\$1,447	28	236.6	192.7	209.5	215.5	240.2	225.9
Anderson	7422	CONV	92	214.4	16.7	0	\$1,433	29	235.4	190.7	209.9	217.0	—	218.7
LG Seeds	LG44C27STXRIB GC	STX	94	209.2	17.1	0	\$1,395	30	213.2	194.7	220.5	207.8	214.3	209.9
Averages =				228.5	16.9	0	\$1,525		246.6	214.9	226.6	229.9	227.6	224.3
LSD (0.10) =				7.4	0.3	ns			15.2	19.2	12.3	12.1	15.7	13.7

*Nerstrand not included in summary, herbicide damage to conventional hybrids.

Corn Results: MNSE (See site description on page 6)

EARLY-SEASON TEST | 97-102 Day CRM | Top 30 of 72 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Cannon Falls	Dexter	Eyota	Kasson	Nerstrand*	New Richland
NuTech	60A4AM	AM	100	252.4	18.5	0	\$1,669	1	259.3	228.3	244.0	270.8	232.5	259.7
Mustang	62600	VT2P	100	251.6	18.3	0	\$1,664	2	278.1	235.6	232.7	254.5	260.5	257.1
Prairie Hybrids	1663 GC	CONV	101	251.0	19.1	0	\$1,652	3	264.7	242.1	245.9	258.0	—	244.4
NuTech	59A1AM	AM	99	249.8	18.6	0	\$1,650	4	250.8	247.3	240.6	264.5	243.6	245.9
Viking	46-02	CONV	102	249.4	18.4	0	\$1,649	5	266.6	213.3	269.2	250.5	—	247.5
Dairyland	DS-4219AM	AM	102	248.0	18.6	0	\$1,638	7	264.5	228.7	231.8	262.4	250.4	252.4
Dairyland	DS-3727AM	AM	97	247.8	17.8	0	\$1,645	6	264.4	237.4	229.6	255.5	233.0	252.1
Renk	RK597SSPRO	STXP	99	246.7	17.8	0	\$1,637	8	259.6	232.4	232.2	258.1	239.2	251.2
Renk	RK600VT2P	VT2P	100	246.6	18.0	0	\$1,636	9	268.9	219.5	244.3	241.9	239.6	258.7
Dairyland	DS-3900AM	AM	99	245.8	18.4	0	\$1,625	10	260.4	244.0	245.5	239.8	230.7	239.1
Integra	5280 VT2PRIB	VT2P	102	245.2	18.3	0	\$1,623	11	264.1	223.4	244.1	245.6	235.1	248.8
Latham	LH 5209 DV	DV	102	245.0	19.2	0	\$1,613	13	265.9	215.3	230.7	257.1	247.2	256.1
Titan Pro	84-01	CONV	101	243.9	18.1	0	\$1,616	12	266.8	208.2	257.6	247.6	—	239.5
Anderson	507R	RR2	102	242.8	18.7	0	\$1,603	15	257.2	240.5	236.3	238.7	226.0	241.4
Augusta	A3052-5222-EZ	DV	102	242.8	19.7	0	\$1,593	18	259.4	209.2	238.1	246.2	223.5	260.9
Thunder	T6902 VT2P	VT2P	102	242.2	18.3	0	\$1,603	14	257.9	223.0	248.5	251.2	230.8	230.3
Mustang	4397	VT2P	97	241.4	17.8	0	\$1,603	16	260.3	218.4	243.5	243.1	265.1	241.7
Enestvedt	E539DP RIB	VT2P	102	241.1	18.3	0	\$1,595	17	249.6	222.0	228.7	255.4	244.0	249.8
Golden Harvest	G97A36-V	V	97	240.9	18.6	0	\$1,591	19	259.8	215.2	240.0	241.3	222.0	248.2
Augusta	A22-250	AA	100	240.7	18.6	0	\$1,590	21	257.3	238.4	227.5	239.2	242.7	241.0
Federal	5280 VT2PRIB	VT2P	102	240.4	18.3	0	\$1,591	20	255.8	204.5	234.4	249.6	238.9	257.6
Augusta	A2148-3220-EZ	V	98	239.7	18.8	0	\$1,582	25	253.3	221.6	242.7	239.6	239.9	241.1
Dairyland	DS-3959Q	QR	99	239.2	19.0	0	\$1,576	27	239.3	222.5	231.5	252.1	230.0	250.5
Pioneer	P0220AM GC	AM	102	239.2	18.4	0	\$1,582	23	241.8	217.7	239.5	245.1	231.6	251.8
Latham	LH 5245 VT2P RIB	VT2P	102	239.1	18.4	0	\$1,581	26	255.7	225.0	228.0	241.5	240.4	245.1
Federal	4830 TRE	TRE	98	238.4	17.7	0	\$1,583	22	267.1	218.0	246.0	237.6	244.0	223.5
Thunder	T6298 VT2P	VT2P	98	237.9	17.5	0	\$1,582	24	262.4	216.6	228.5	233.3	248.4	248.8
Federal	5005 VT2P	VT2P	100	237.9	18.2	0	\$1,575	29	257.2	217.6	223.3	250.2	241.1	241.1
Gold Country	99-01R2P	VT2P	99	237.5	18.1	0	\$1,573	30	252.6	238.4	228.8	234.1	223.6	233.6
Hefty	H5055	TRE	100	237.3	17.7	0	\$1,576	28	263.6	208.7	227.8	249.1	245.0	237.1
DeKalb	DKC52-18RIB CK	STX	102	230.1	19.0	0	\$1,517	53	250.9	203.4	218.9	231.8	222.7	245.2
Averages =				234.9	18.2	0	\$1,555		253.3	214.6	228.5	240.5	234.1	237.5
LSD (0.10) =				7.9	0.3	ns			11.7	15.1	14.1	13.2	14.5	13.9

FULL-SEASON TEST 103-107 Day CRM Top 30 of 42 tested										Results in BOLD are significantly above test average.				
Viking	72-06	CONV	106	251.8	20.2	0	\$1,647	1	268.8	235.9	240.2	261.7	—	252.3
Latham	LH 5725 VT2P RIB	VT2P	107	251.7	20.4	0	\$1,644	2	274.3	228.9	236.7	260.2	253.3	258.2
Prairie Hybrids	4470 GC	CONV	106	249.9	20.2	0	\$1,635	3	271.8	223.7	248.7	254.5	—	251.0
Gold Country	107-83R2P	VT2P	107	248.7	20.2	0	\$1,627	4	275.2	225.0	225.6	248.7	236.2	269.3
Latham	LH 5646 PCE	PC,E	106	247.9	20.5	0	\$1,618	8	264.3	224.4	233.6	253.9	245.6	263.4
Titan Pro	24-05 PCE	PC,E	105	247.2	20.6	0	\$1,614	10	270.4	235.8	233.9	243.5	251.8	252.5
Mustang	78505	STX	105	246.9	19.6	0	\$1,621	6	267.7	223.8	239.6	258.0	242.2	245.3
Hefty	H5655	TRE	106	246.8	19.6	0	\$1,621	5	275.2	209.8	242.7	246.9	245.8	259.4
Renk	RK720TRE	TRE	106	246.0	19.1	0	\$1,620	7	264.2	216.1	233.9	251.8	238.6	263.9
Dairyland	DS-4510Q	QR	105	245.7	19.4	0	\$1,616	9	276.5	226.6	224.4	249.5	186.0	251.7
Gold Country	106-96RSS	STX	106	245.4	20.0	0	\$1,608	11	269.7	231.5	236.7	253.4	253.2	235.8
Hefty	H5666	PC,E	106	243.6	21.0	0	\$1,586	13	261.3	242.1	237.0	239.6	231.3	238.1
Augusta	A1956	PC,E	106	241.9	20.9	0	\$1,576	16	263.6	211.8	225.7	251.8	245.9	256.8
Hefty	H5764	STXP	107	241.8	19.6	0	\$1,587	12	273.1	204.3	225.1	256.6	241.7	250.1
Renk	RK710DGVT2P	VT2PDG	107	240.3	19.6	0	\$1,578	14	263.3	217.0	221.5	239.0	248.8	260.6
Gold Country	104-75RSP	STXP	104	239.8	19.6	0	\$1,574	17	268.3	218.3	230.3	243.2	233.0	238.7
Hi Fidelity Genetics	HFG1071	CONV	105	238.9	18.7	0	\$1,577	15	264.8	207.7	224.0	241.8	—	256.4
Enestvedt	E598	CONV	106	237.5	18.9	0	\$1,566	19	263.8	204.2	227.2	244.2	—	248.0
NuTech	65B2Q	QR	105	237.3	20.0	0	\$1,554	22	247.8	235.5	201.9	244.0	211.3	257.5
Renk	RK625DGVT2P	VT2PDG	104	236.9	18.3	0	\$1,568	18	265.4	211.2	219.0	242.7	237.4	246.3
Viking	84-05	CONV	105	236.7	19.2	0	\$1,558	20	262.2	205.4	235.2	239.7	—	241.0
NuTech	66C2Q	QR	106	236.0	20.0	0	\$1,545	24	266.8	214.9	218.8	235.2	236.5	244.3
Titan Pro	26-03 5222	DV	103	235.9	20.4	0	\$1,541	26	257.5	220.8	225.7	235.0	220.0	240.3
Hefty	H5442	VT2P	104	235.8	18.7	0	\$1,557	21	264.7	211.7	223.5	233.8	223.1	245.3
Dyna-Gro	D44SS54RIB GC	STX	104	235.6	19.7	0	\$1,547	23	257.2	202.9	219.5	241.9	238.5	256.7
Renk	RK715SSTX	STX	105	234.2	19.5	0	\$1,539	27	255.2	208.0	217.2	243.9	230.2	246.8
Pioneer	P0688AM GC	AM	106	234.1	20.0	0	\$1,533	28	262.2	217.2	215.0	245.4	224.3	230.7
Prairie Hybrids	3259 GC	CONV	105	233.9	18.7	0	\$1,544	25	265.0	200.1	220.5	240.3	—	243.8
Golden Harvest	G07G73-AA	AA	107	233.3	20.0	0	\$1,528	29	246.9	220.3	216.7	237.2	235.3	245.3
NuTech	64B5Q	QR	104	230.6	19.3	0	\$1,517	30	261.9	193.8	209.4	248.5	184.7	239.4
DeKalb	DKC52-18RIB CK	STX	102	225.3	18.8	0	\$1,486	38	243.0	210.9	214.8	230.3	218.5	227.7
Averages =				237.1	19.7	0	\$1,555		258.8	213.5	223.8	243.1	227.4	246.2
LSD (0.10) =				6.7	0.4	ns			13.5	15.5	13.8	12.0	19.0	13.7

*Nerstrand not included in summary, herbicide damage to conventional hybrids.

SOYBEAN REGIONS: MNNC, MNCE, MNSOCV, MNSO, MNSC



Site Description: MNNC (See soybean results table on page 11)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Albany	Mitch Overman	loam	conventional	soybeans	—	3-Jun	44863	128.8	41.1	52.2	6
Royalton	Kenny Kasella	loamy sand	conventional	corn	—	2-Jun	17-Oct	128.8	38.1	46.3	3
Starbuck	Matt Moe	loam	conventional	corn	—	9-Jun	11-Oct	130.1	43.7	46.4	7
Wendell	Chad Biss	clay loam	conventional	wheat	—	8-Jun	16-Oct	130.0	41.0	46.6	5
								MNNC	46.6	5	

Site Description: MNCE (See soybean results table on page 12)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Buffalo	Bill Duluge	loam	conventional	corn	—	4-Jun	8-Oct	130.2	56.4	62.0	
Canby	Austen Citrowski	loam	conventional	corn	—	8-Jun	15-Oct	ND	ND	54.3	
Lester Prairie	Nathan Ide	clay loam	conventional	corn	—	19-May	Oct 09	129.9	52.2	52.2	
Starbuck	Matt Moe	loam	conventional	corn	—	9-Jun	11-Oct	130.2	40.9	46.4	
								MNCE	51.7	19	

Site Description: MNSOCV (See soybean results table on page 12)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Austin	Jared Ellis	silt loam	conventional	corn	—	24-May	7-Oct	124.4	44.7	—	new site
Lafayette	Jon Thoreson	loam	conventional	corn	—	21-May	13-Oct	126.4	54.3	—	new site
Lamberton	Ed Iverson	loam	conventional	corn	—	9-Jun	14-Oct	126.6	44.3	58.6	2
Nerstrand	Keith, Kurt and Brian Schrader	silt loam	conventional	corn	—	28-May	17-Oct	126.7	60.5	67.9	5
								MNSO	53.5	1	

Site Description: MNSO (See soybean results table on page 13)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Easton	Dru Martin	loam	conventional	corn	—	29-May	10-Oct	126.9	68.9	57.4	20
Kasson	Brian Herbst	clay loam	conventional	corn	—	15-May	7-Oct	125.8	64.0	59.6	20
Lamberton	Ed Iverson	loam	conventional	corn	—	9-Jun	14-Oct	125.8	47.9	58.6	2
New Richland	Leon Schoenrock	clay loam	conventional	corn	—	14-May	6-Oct	125.8	70.3	61.2	20
								MNSO	57.5	20	

Site Description: MNSC (See soybean results table on page 14)

Site	FIRST Farmers	Soil Texture	Tillage	Previous Crop	Total Nitrogen (lbs)	Date Planted	Date Harvested	Average		Yield History	
								Stand x 1,000	Yield	Bu/A	Years
Madison Lake	Mike Krenik	loam	conventional	corn	—	3-Jun	16-Oct	127.5	64.3	58.8	15
Nerstrand	Keith, Kurt and Brian Schrader	silt loam	conventional	corn	—	28-May	16-Oct	126.2	67.5	67.9	5
Wabasso	Leon Plaetz	silty clay loam	conventional	corn	—	24-May	15-Oct	126.3	63.5	55.9	15
Winthrop	Jim Sallstrom	clay loam	conventional	corn	—	21-May	12-Oct	127.5	66.6	55.3	4
								MNSC	55.6	20	

SOYBEAN REGIONAL ANNUAL YIELD AVERAGES FOR 2018–2022

FIRST Region	Average Yield by Year (Bu/A)					Since Inception		
	2022	2021	2020	2019	2018	Bu/A	#Years	
MNNC	41.0	48.9	45.5	46.7	50.6	46.6	5	
MNCE	49.8	55.8	52.6	43.2	55.7	51.7	19	
MNSOCV	51.2	53.5	—	—	—	53.5	1	
MNSO	61.6	57.0	73.1	60.6	59.5	57.5	20	
MNSC	65.5	60.5	72.3	59.5	63.9	55.6	20	

Soybean Results: MNNC (See site description on page 10)

EARLY-SEASON TEST | MATURITY GROUP 0.6–0.9 | Top 30 of 34 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Albany	Royalton	Starbuck	Wendell
FULL-SEASON TEST x											
Zinesto	Z0601E	E3	0.6	47.6	11.3	0	\$662	47.0	44.4	46.3	52.9
Zinesto	Z0903E	E3	0.9	46.5	11.3	0	\$645	49.1	44.2	44.2	48.5
Dairyland	DSR-0920E	E3	0.9	46.3	11.3	0	\$642	52.6	37.0	48.6	47.1
Hefty	H07XF3	RXF	0.7	45.7	11.0	0	\$635	40.2	48.2	47.8	46.8
Gold Country	0842XF	RXF	0.8	44.9	11.1	0	\$623	52.5	34.5	41.9	50.7
Latham	L 0945 LLGT27	LLGT27	0.9	44.8	11.3	0	\$622	38.6	45.5	46.7	48.5
Hefty	H09XF3	RXF	0.9	44.7	10.7	0	\$621	35.5	42.6	52.4	48.4
Hefty	H05XF3	RXF	0.5	44.7	11.3	0	\$620	38.5	34.5	58.0	47.8
Golden Harvest	GH0653XF U	RXF	0.6	43.8	10.9	0	\$608	48.6	43.1	39.9	43.8
Thunder	TX8309N	RXF	0.9	43.5	11.2	2	\$605	44.3	41.2	42.0	46.7
Thunder	TX8307N	RXF	0.7	43.0	11.1	0	\$596	42.5	36.3	50.8	42.5
Golden Harvest	GH0983XF U	RXF	0.9	42.9	11.1	0	\$596	38.7	39.7	47.5	45.9
Dairyland	DSR-0757E	E3	0.7	42.9	11.1	0	\$597	33.1	52.9	42.8	42.9
Latham	L 0959 E3	E3	0.9	42.9	11.3	0	\$593	43.2	37.8	50.2	40.3
Pioneer	P09T68E U	E3	0.9	42.7	11.2	0	\$593	42.2	43.4	41.9	43.4
Dyna-Gro	S07EN61	E3	0.7	42.6	11.2	0	\$591	48.0	46.9	36.3	39.4
Stine	09EA02 U	E3	0.9	42.4	11.1	0	\$588	44.9	35.1	45.6	43.9
Hefty	H08XF2	RXF	0.8	42.3	11.2	0	\$590	40.0	38.9	34.7	55.8
Zinesto	Z0702E	E3	0.7	41.1	11.2	0	\$571	35.6	34.5	46.3	48.0
Dairyland	DSR-0847E	E3	0.8	40.7	11.0	0	\$562	45.9	41.7	42.7	32.3
Latham	L 0694 XF	RXF	0.6	40.6	11.1	0	\$565	36.2	39.9	37.8	48.5
Xitavo	XO 0993E	E3	0.9	40.6	11.4	0	\$563	40.0	36.7	44.6	41.1
Stine	08EC32 U	E3	0.8	40.5	11.1	0	\$561	43.3	40.8	43.1	34.9
Zinesto	Z0602E	E3	0.6	40.2	11.2	0	\$558	40.5	36.1	38.6	45.6
Asgrow	AG09XF3 U	RXF	0.9	39.6	11.2	0	\$552	31.5	42.6	36.9	47.5
Xitavo	XO 0602E	E3	0.6	39.5	11.2	0	\$548	36.4	27.2	50.4	44.0
Thunder	TE7207	E3	0.7	38.9	11.3	3	\$542	40.2	31.0	36.6	48.0
Thunder	TE7309N	E3	0.9	38.8	11.3	0	\$538	40.3	27.9	43.1	43.8
Golden Harvest	GH0693E3 U	E3	0.6	38.3	11.2	0	\$532	28.4	37.3	43.4	44.0
Golden Harvest	GH0933E3 U	E3	0.9	37.6	11.3	0	\$521	47.4	29.9	34.7	38.5
NK Brand	NK13-Y4XF CK	RXF	1.3	41.8	11.2	0	\$580	40.7	36.9	46.3	43.3
Averages =				41.8	11.2	0	\$579	40.7	38.3	43.5	44.5
LSD (0.10) =				5.1	0.2	0.6		6.8	8.1	7.7	5.8
FULL-SEASON TEST MATURITY GROUP 1.0–1.5 Top30 of 36 tested											
Dyna-Gro	S12EN72	E3	1.2	48.6	11.2	0	\$673	46.0	50.7	55.4	42.4
Dairyland	DSR-1505E	E3	1.5	47.0	11.1	0	\$652	43.2	52.3	48.6	44.0
Zinesto	Z1202E	E3	1.2	46.6	11.2	0	\$646	44.1	44.7	52.7	44.9
Latham	L 1439 XF	RXF	1.4	45.7	11.0	1	\$630	51.7	36.8	56.4	37.7
Thunder	TX8215N	RXF	1.5	45.4	11.2	0	\$627	50.7	46.7	50.0	34.2
Latham	L 1452 LLGT27	LLGT27	1.4	44.6	11.2	0	\$615	51.0	35.0	57.1	35.3
Asgrow	AG13XF3 U	RXF	1.3	43.7	11.0	0	\$605	42.4	40.7	54.0	37.9
Hefty	H13XF3	RXF	1.3	43.5	11.0	0	\$601	50.6	38.8	53.8	31.0
Thunder	TX8313N	RXF	1.3	42.8	11.2	0	\$593	49.1	36.9	46.7	38.7
Dairyland	DSR-1450E	E3,ST	1.4	42.7	11.0	0	\$592	44.1	41.5	44.1	41.1
Latham	L 1392 E3	E3	1.3	42.2	11.0	0	\$584	46.2	40.8	46.0	35.8
Asgrow	AG11XF2 U	RXF	1.1	41.8	11.0	0	\$582	40.0	49.0	35.0	43.3
Hefty	H14XF3	RXF	1.4	41.8	11.1	0	\$578	47.4	38.6	42.5	38.5
Xitavo	XO 1212E	E3	1.2	41.5	11.2	0	\$577	36.2	38.0	48.3	43.7
Thunder	TX8211N	RXF	1.1	41.2	11.1	0	\$569	44.4	36.6	48.0	35.7
Hefty	H10XF1	RXF	1.0	40.7	10.9	0	\$564	37.6	44.8	45.3	35.2
Stine	14EE02 U	E3	1.4	40.6	11.2	0	\$561	45.1	37.2	43.9	36.1
Dairyland	DSR-1290E	E3,ST	1.2	40.5	11.1	1	\$562	29.6	41.4	49.7	41.3
Zinesto	Z1101E	E3	1.1	39.9	11.1	1	\$553	40.3	33.9	41.7	43.6
Dairyland	DSR-1121E	E3	1.1	39.8	11.1	0	\$553	34.7	39.3	42.9	42.4
Hefty	H15XF2	RXF	1.5	39.3	11.1	0	\$545	32.9	34.8	50.7	38.9
Gold Country	1041XF	RXF	1.0	38.6	11.1	0	\$535	38.2	31.0	45.1	40.0
Zinesto	Z1502E	E3	1.5	37.1	11.6	2	\$515	39.6	29.0	36.8	43.1
Pioneer	P13T47E U	E3	1.3	37.1	11.1	0	\$515	34.7	33.0	40.0	40.6
Xitavo	XO 1372E	E3,ST	1.3	37.0	11.2	0	\$513	32.9	39.1	40.3	35.7
Stine	15EE32 U	E3	1.5	37.0	11.2	0	\$512	33.2	35.3	42.7	36.7
Thunder	TX8312N	RXF	1.2	36.9	11.1	0	\$512	40.8	34.4	33.4	38.9
Asgrow	AG15XF2 U	RXF	1.5	36.7	11.2	0	\$509	39.1	38.4	34.9	34.5
Pioneer	P12T94E U	E3	1.2	36.5	11.1	0	\$506	43.2	32.7	36.1	34.2
Xitavo	XO 1041E	E3	1.0	36.2	11.0	0	\$500	39.4	39.1	40.0	26.2
NK Brand	NK13-Y4XF CK	RXF	1.3	41.6	11.0	0	\$576	42.6	39.8	49.3	34.8
Averages =				40.3	11.1	0	\$558	41.5	38.1	44.3	37.7
LSD (0.10) =				4.8	0.2	0.6		7.5	7.1	9.6	6.2

Soybean Results: MNCE (See site description on page 10)

ALL-SEASON TEST | MATURITY GROUP 1.3-2.0 | Top30 of 59 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Buffalo	Canby*	Lester Prairie	Starbuck
Latham	L 1947 E3	E3	1.9	61.2	10.5	3	\$855	64.2	55.5	65.0	54.3
Genesis	G1970E	E3	1.9	60.9	10.5	3	\$850	68.0	55.2	64.5	50.2
Dyna-Gro	S14XF43	RXF	1.4	58.7	9.8	0	\$819	60.3	40.8	65.3	50.4
Dairyland	DSR-1820E	E3	1.8	58.2	9.7	0	\$813	54.6	51.2	64.2	55.7
Xitavo	XO 1761E	E3	1.7	56.4	9.6	0	\$788	53.0	37.9	65.3	51.1
Latham	L 1648 LLGT27	LLGT27	1.6	56.3	9.8	2	\$789	61.3	44.6	50.7	56.9
Zinesto	Z1802E	E3	1.8	55.7	12.0	0	\$776	60.2	53.1	63.3	43.6
Gold Country	1841XF	RXF	1.8	54.3	9.9	1	\$756	55.5	41.1	63.8	43.5
Xitavo	XO 1451E	E3	1.4	54.2	10.0	0	\$756	58.3	40.8	61.3	43.1
Zinesto	Z1902E	E3	1.9	54.2	10.4	2	\$759	57.8	45.6	50.4	54.3
Xitavo	XO 1822E	E3	1.8	54.0	10.0	2	\$753	59.7	45.2	57.8	44.4
Zinesto	Z1603E	E3	1.6	52.5	10.0	3	\$732	69.2	41.0	56.6	31.9
Genesis	G1760E	E3	1.7	52.4	9.8	0	\$729	61.1	48.1	58.8	37.2
Gold Country	1942XF	RXF	1.9	52.2	9.7	1	\$729	55.6	53.1	55.3	45.7
Loyal	L1950E	E3	1.9	52.1	10.3	1	\$729	63.5	41.7	47.6	45.3
Latham	L 1439 XF	RXF	1.4	51.9	9.9	1	\$724	54.9	37.2	58.6	42.3
Latham	L 1452 LLGT27	LLGT27	1.4	51.9	9.7	0	\$725	66.9	30.5	46.8	42.0
Dairyland	DSR-1505E	E3	1.5	51.7	9.6	0	\$723	56.3	46.6	51.4	47.4
Titan Pro	TP 18E22	E3	1.8	51.3	9.8	1	\$717	54.5	45.5	54.4	45.1
Dyna-Gro	S16EN42	E3	1.6	51.0	9.9	0	\$712	62.5	50.2	50.5	39.9
Dyna-Gro	S17XF02	RXF	1.7	50.9	9.6	0	\$714	62.2	46.8	42.5	48.1
Golden Harvest	GH1323XF U	RXF	1.3	50.8	9.8	0	\$711	58.8	41.0	47.1	46.6
Pioneer	P13T47E U	E3	1.3	50.6	9.7	5	\$706	64.6	43.5	48.7	38.6
Dairyland	DSR-1290E	E3,ST	1.2	50.6	9.5	0	\$708	59.7	39.1	46.7	45.4
Latham	L 1758 E3	E3	1.7	50.6	9.9	3	\$707	58.5	45.7	46.7	46.4
Genesis	G1950E	E3	1.9	50.4	10.1	0	\$705	55.1	44.3	47.1	48.9
Asgrow	AG15XF2 U	RXF	1.5	50.3	9.8	1	\$701	48.4	41.6	63.7	39.0
Loyal	L1740E	E3	1.7	50.3	9.9	2	\$701	58.9	53.4	55.2	36.9
Zinesto	Z1411E	E3	1.4	50.2	9.8	3	\$701	60.4	49.6	51.9	38.3
Genesis	G1560E	E3	1.5	50.1	9.7	0	\$697	55.5	52.4	57.6	37.2
Averages =				49.8	9.9	1	\$695	56.2	46.8	52.2	41.0
LSD (0.10) =				6.6	0.4	2.1		7.7	8.7	11.0	8.3

*Canby results rejected due to drought stress and yield variability.

Soybean Results: MNSOCV (See site description on page 10)

ALL-SEASON TEST | MATURITY GROUP 1.4-2.3 | Top30 of 24 tested

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Austin	Lafayette	Lamberton	Nerstrand
Asgrow	AG18XF1 GC	RXF	1.8	61.2	10.0	0	\$859	60.4	64.3	50.7	69.3
Legacy	LS231-21C	CONV	2.3	60.1	11.0	0	\$1,000	57.2	61.3	51.9	69.9
Stine	14EE02 GC	E3	1.4	58.2	9.9	0	\$817	53.6	61.9	47.3	69.8
Public - Iowa State	IAS19C3	CONV	1.9	57.8	10.5	0	\$961	48.8	64.9	45.1	72.3
Viking	2022N	CONV	2.0	57.4	9.8	0	\$955	50.5	61.2	49.7	68.2
Pioneer	P18A73E GC	E3	1.8	55.8	9.7	0	\$784	52.2	57.9	47.9	65.3
Viking	2155N	CONV	2.1	55.2	10.5	0	\$918	51.5	55.8	45.3	68.0
Viking	1718N	CONV	1.7	55.0	10.1	0	\$915	42.7	60.9	48.3	67.9
Pioneer	P21A20	CONV	2.1	53.1	10.1	1	\$883	50.1	53.7	47.0	61.5
Viking	V1821	CONV	1.8	52.8	9.9	0	\$879	54.5	57.7	44.0	55.0
Legacy	LS187-21C	CONV	1.8	52.0	10.7	0	\$865	41.7	58.3	45.2	62.6
Viking	1518N	CONV	1.5	50.3	10.4	0	\$837	44.2	55.4	39.3	62.3
Brushvale Seed	BS4977 GC	CONV	1.7	50.0	10.0	0	\$833	43.1	54.9	45.7	56.5
Viking	1700N GC	CONV	1.7	49.1	9.0	0	\$817	43.1	53.5	45.3	54.5
Legacy	LSX121-23C GC	CONV	1.2	47.3	10.0	0	\$786	48.4	43.9	43.9	52.9
Legacy	LS155-21C GC	CONV	2.5	47.0	10.5	4	\$782	38.1	47.9	39.7	62.3
Brushvale Seed	BS1146 GC	CONV	1.2	47.0	10.3	0	\$782	43.0	49.3	41.0	54.6
Pioneer	P11A50	CONV	1.1	46.4	10.1	0	\$772	34.0	52.8	43.0	55.7
Pioneer	P15A20	CONV	1.5	45.9	10.0	0	\$763	35.8	52.6	40.7	54.4
Grain Millers	GSP 17	CONV	1.7	45.6	9.4	0	\$758	45.4	45.5	38.1	53.3
Grain Millers	GSP 23	CONV	2.0	45.2	9.6	2	\$752	31.3	44.7	43.7	61.1
SB & B Foods	SB19 GC	CONV	1.9	44.9	10.1	1	\$747	37.2	47.4	35.4	59.6
SB & B Foods	SB712 GC	CONV	1.2	43.7	9.9	0	\$727	35.6	52.3	42.6	44.3
Legend	2180HP GC	CONV	2.1	42.6	9.7	1	\$710	30.4	45.9	43.0	51.2
Averages =				51.0	10.0	0	\$829	44.8	54.3	44.3	60.5
LSD (0.10) =				3.9	0.5	1.7		5.1	3.0	3.6	3.4

Soybean Results: MNSO (See site description on page 10)

EARLY-SEASON TEST | MATURITY GROUP 1.6–1.9 | Top30 of 36 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Easton [#]	Kasson	Lamberton	New Richland
Xitavo	XO 1822E	E3	1.8	67.7	11.0	0	\$950	73.4	70.6	52.3	74.4
Loyal	L1740E	E3	1.7	67.0	10.9	0	\$940	71.6	65.4	56.2	74.6
Genesis	G1970E	E3	1.9	66.5	10.9	0	\$934	70.9	71.7	49.4	74.0
Gold Country	1841XF	RXF	1.8	66.4	10.5	0	\$932	73.4	67.5	52.6	72.0
Dyna-Gro	S16EN42	E3	1.6	66.3	10.9	0	\$930	74.1	64.8	52.8	73.4
NuTech	19N03E	E3	1.9	66.0	10.7	0	\$927	70.5	74.1	48.1	71.4
Asgrow	AG19XF3 U	RXF	1.9	65.9	10.4	0	\$925	71.1	68.9	50.5	73.0
Latham	L 1947 E3	E3	1.9	65.7	11.0	0	\$922	72.2	68.7	49.1	72.7
Asgrow	AG18XF1 U	RXF	1.8	64.9	10.7	0	\$912	71.5	64.7	50.1	73.4
Titan Pro	TP 18E22	E3	1.8	64.8	10.7	0	\$909	70.1	73.7	47.9	67.3
Zinesto	Z1702E	E3	1.7	64.4	10.9	0	\$904	73.0	61.0	54.6	69.0
Zinesto	Z1802E	E3	1.8	64.4	10.7	0	\$904	67.2	64.3	49.7	76.3
Dairyland	DSR-1919E	E3	1.9	64.4	10.8	0	\$904	68.3	70.4	48.5	70.3
Dyna-Gro	S19XF62	RXF	1.9	63.7	10.9	0	\$894	72.9	60.1	50.8	70.8
Xitavo	XO 1632E	E3	1.6	63.4	11.0	0	\$890	69.2	63.1	46.9	74.4
Latham	L 1648 LLGT27	LLGT27	1.6	63.4	10.9	0	\$890	73.2	61.4	45.8	73.1
Stine	17EE32 U	E3	1.7	62.9	11.0	0	\$883	73.9	63.1	52.4	62.3
Stine	15EE32 U	E3	1.5	62.9	11.0	0	\$882	71.9	60.2	49.0	70.3
Golden Harvest	GH1762XF U	RXF	1.7	62.7	10.7	0	\$881	73.3	58.5	47.5	71.6
Zinesto	Z1902E	E3	1.9	62.6	10.8	0	\$879	69.2	63.0	48.2	70.0
Xitavo	XO 1971E	E3	1.9	62.6	10.5	0	\$878	65.8	63.9	46.7	73.8
Loyal	L1540E	E3	1.5	62.2	11.0	0	\$874	71.1	57.8	49.2	70.9
Genesis	G1950E	E3	1.9	62.2	10.4	0	\$874	69.7	60.8	47.4	71.0
Golden Harvest	GH1802E3 U	E3	1.8	62.1	10.6	0	\$872	64.6	61.7	48.6	73.6
Loyal	L1950E	E3	1.9	61.3	10.8	0	\$861	63.2	66.4	49.9	65.8
Latham	L 1784 XF	RXF	1.7	61.3	10.9	0	\$861	69.7	58.1	49.9	67.4
Gold Country	1942XF	RXF	1.9	60.4	10.6	0	\$848	64.8	57.4	46.9	72.5
Pioneer	P18A73E U	E3	1.8	60.4	10.6	0	\$848	65.4	65.0	43.3	67.8
Dairyland	DSR-1820E	E3	1.8	59.3	10.4	0	\$832	68.5	56.7	43.1	68.8
NuTech	16N04E	E3	1.6	58.8	10.7	0	\$825	64.4	60.1	43.2	67.3
Dyna-Gro	S18EN52 CK	E3	1.8	62.3	10.9	0	\$875	65.8	61.9	49.2	72.4
Averages =				62.7	10.7	0	\$880	68.9	62.7	48.8	70.7
LSD (0.10) =				3.1	0.3	ns		4.0	3.4	3.6	3.6

FULL-SEASON TEST | MATURITY GROUP 2.0–2.3 | Top30 of 36 tested

Results in BOLD are significantly above test average.

Pioneer	P21A53E U	E3	2.1	66.1	11.0	0	\$928	72.3	72.2	51.5	74.6
Asgrow	AG21XF2 U	RXF	2.1	65.1	10.9	0	\$914	74.5	70.1	52.6	72.5
Dairyland	DSR-2188E	E3	2.1	64.0	11.8	0	\$898	67.7	71.1	49.5	71.6
Stine	23EE06 U	E3	2.3	63.9	11.4	0	\$896	69.9	67.1	52.1	72.5
Golden Harvest	GH2292E3 U	E3	2.2	63.6	10.8	0	\$894	67.1	64.9	50.5	75.6
Asgrow	AG22XF3 U	RXF	2.2	63.5	11.2	0	\$891	66.5	71.3	42.0	77.2
Dyna-Gro	S20EN92	E3	2.0	63.5	11.1	0	\$891	67.4	68.8	51.8	69.9
Genesis	G2270E	E3	2.2	62.8	11.3	0	\$882	73.1	68.3	44.4	75.8
Mustang	20E723	E3	2.0	62.4	11.6	0	\$876	69.4	68.2	47.7	71.4
Anderson	A2121XF	RXF	2.0	62.0	11.0	0	\$870	66.8	68.6	53.3	64.1
NuTech	21N07E	E3	2.1	62.0	11.8	0	\$870	68.7	69.7	48.4	68.0
Zinesto	Z2101E	E3	2.1	61.9	11.4	0	\$869	69.9	61.4	51.5	72.8
Xitavo	XO 2323E	E3	2.3	61.8	11.3	0	\$867	67.8	68.4	44.7	72.3
Latham	L 2193 E3	E3	2.1	61.5	11.1	0	\$864	68.8	65.6	48.1	70.9
Titan Pro	TP 20E22	E3	2.0	61.5	11.7	0	\$862	70.2	68.7	45.3	70.3
Xitavo	XO 2282E	E3	2.2	61.0	10.9	0	\$856	66.4	68.0	39.7	75.3
Stine	22EF23 U	E3	2.2	61.0	11.3	0	\$856	70.3	68.8	45.2	68.9
Latham	L 2049 E3	E3	2.0	60.7	11.6	0	\$851	71.9	63.7	48.7	69.6
Zinesto	Z2303E	E3	2.3	60.6	11.0	0	\$851	67.5	66.0	46.2	69.6
Pioneer	P20T64E U	E3	2.0	60.4	11.3	0	\$848	67.8	62.2	47.0	72.0
Genesis	G2150E	E3	2.1	60.3	11.4	0	\$847	71.1	64.5	48.4	68.1
Loyal	L2250E	E3	2.2	60.1	11.5	0	\$842	70.3	67.3	48.7	64.1
Zinesto	Z2002E	E3	2.0	60.0	11.5	0	\$842	71.1	70.9	49.0	60.1
Gold Country	2250XF	RXF	2.2	59.9	11.7	0	\$840	69.8	64.1	47.0	68.5
Xitavo	XO 2181E	E3	2.1	59.7	11.5	0	\$838	72.6	64.4	43.4	71.4
Dairyland	DSR-2040E	E3	2.0	59.5	11.3	0	\$835	68.9	63.0	45.8	69.6
Dairyland	DSR-2030E	E3	2.0	59.2	11.3	0	\$831	67.7	62.0	47.4	68.3
Dyna-Gro	S21XF61	RXF	2.1	59.2	11.6	0	\$830	70.3	59.1	48.4	69.9
Loyal	L2350E	E3	2.3	59.1	11.0	0	\$830	72.5	66.8	45.1	65.5
Mustang	22E823	E3	2.2	58.6	11.1	0	\$823	67.5	61.0	42.7	72.2
Dyna-Gro	S18EN52 CK	E3	1.8	59.9	11.0	0	\$842	66.3	66.1	43.4	70.4
Averages =				60.8	11.3	0	\$853	69.2	65.5	46.9	70.0
LSD (0.10) =				4.0	0.3	ns		3.7	3.8	3.6	4.4

*Full-season test results rejected, not included in summary.

Soybean Results: MNSC (See site description on page 10)

EARLY-SEASON TEST | MATURITY GROUP 1.5–1.8 | Top30 of 36 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Madison Lake	Nerstrand	Wabasso	Winthrop
Loyal	L1740E GC	E3	1.7	68.7	10.3	0	\$965	66.5	71.5	69.7	67.0
Latham	L 1558 E3	E3	1.5	68.3	10.3	0	\$959	67.4	71.3	69.5	64.9
Apex	AE1520 GC	E3	1.5	68.2	10.4	0	\$958	67.0	71.2	68.7	65.9
Titan Pro	TP 18E22	E3	1.8	67.9	10.2	0	\$954	64.0	66.8	68.5	72.6
Dyna-Gro	S16EN42	E3	1.6	67.8	10.2	0	\$952	64.3	68.1	70.4	68.3
Zinesto	Z1502E	E3	1.5	67.0	10.2	0	\$941	67.5	68.0	65.9	66.5
Zinesto	Z1802E	E3	1.8	66.9	9.9	0	\$939	63.4	70.0	65.4	68.8
Xitavo	XO 1822E	E3	1.8	66.8	10.3	0	\$938	66.5	71.8	65.4	63.7
Gold Country	1841XF	RXF	1.8	66.5	9.6	0	\$933	60.5	70.0	68.1	67.3
Apex	AE1630 GC	E3	1.6	66.3	10.3	0	\$931	61.0	66.9	67.8	69.6
Golden Harvest	GH1802E3 U	E3	1.8	66.1	9.8	0	\$929	63.3	69.1	64.0	68.3
Xitavo	XO 1632E	E3	1.6	66.1	10.4	0	\$929	67.3	67.1	67.5	62.7
Anderson	A151E3	E3	1.5	65.8	10.3	0	\$923	66.6	63.2	64.4	68.9
Stine	17EE32 U	E3	1.7	65.7	10.3	0	\$923	66.6	70.0	67.1	59.1
Zinesto	Z1702E	E3	1.7	65.7	10.3	0	\$922	65.7	63.1	66.2	67.8
Stine	15EE32 U	E3	1.5	65.6	10.3	0	\$921	66.1	65.8	68.0	62.4
Latham	L 1648 LLGT27	LLGT27	1.6	65.5	10.2	0	\$919	66.6	68.8	64.2	62.3
Asgrow	AG18XF1 U	RXF	1.8	65.4	9.9	0	\$918	65.3	67.3	66.4	62.7
Loyal	L1540E GC	E3	1.5	65.4	10.5	0	\$918	66.6	67.8	68.8	58.2
Anderson	A172E3	E3	1.7	65.3	10.3	0	\$917	59.4	63.4	66.5	72.0
Golden Harvest	GH1762XF U	RXF	1.7	65.1	10.1	0	\$914	65.1	66.1	63.6	65.6
Dyna-Gro	S17XF02	RXF	1.7	64.8	10.3	0	\$909	65.1	66.0	63.2	64.7
Anderson	A182E3	E3	1.8	64.7	10.0	0	\$908	63.8	62.9	63.2	68.9
Pioneer	P17A87E U	E3	1.7	64.6	10.0	0	\$907	62.1	67.6	58.8	69.8
Asgrow	AG15XF2 U	RXF	1.5	64.1	10.0	0	\$900	63.1	64.4	66.2	62.7
Pioneer	P18A73E U	E3	1.8	64.0	9.8	0	\$899	62.1	62.4	63.8	67.8
Federal	F1830N GC	RXF	1.8	63.6	10.0	0	\$893	61.3	66.5	65.9	60.6
Latham	L 1758 E3	E3	1.7	63.2	9.7	0	\$887	64.2	66.4	58.1	63.9
Latham	L 1784 XF	RXF	1.7	62.6	9.8	0	\$879	62.5	62.7	63.9	61.2
Dairyland	DSR-1505E	E3	1.5	61.9	9.9	0	\$870	65.5	60.9	60.4	60.9
Dyna-Gro	S18EN52 CK	E3	1.8	66.6	9.7	0	\$936	65.4	66.8	61.6	72.9
Averages =				65.0	10.1	0	\$912	64.5	66.4	64.6	64.6
LSD (0.10) =				2.9	0.2	ns		2.3	3.6	4.7	5.9

FULL-SEASON TEST | MATURITY GROUP 1.9–2.2 | Top30 of 36 tested

Results in BOLD are significantly above test average.

Company/ Brand	Product/ Brand	Technology	Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Madison Lake	Nerstrand	Wabasso	Winthrop
Latham	L 2049 E3	E3	2.0	69.6	10.1	0	\$977	65.9	72.3	67.0	73.0
Asgrow	AG21XF2 U	RXF	2.1	69.5	10.0	0	\$976	68.2	70.6	66.1	73.1
Anderson	A200E3	E3	2.0	68.5	10.2	0	\$962	65.2	74.7	63.3	70.7
Zinesto	Z1902E	E3	1.9	68.2	10.0	0	\$957	63.9	70.4	64.6	73.8
Pioneer	P19A66E U	E3	1.9	68.1	9.8	0	\$956	63.0	71.5	66.6	71.3
Zinesto	Z2101E	E3	2.1	67.8	10.2	0	\$952	64.7	70.8	64.7	71.0
Loyal	L1950E U	E3	1.9	67.7	10.0	1	\$951	64.0	73.7	60.3	72.9
Latham	L 1947 E3	E3	1.9	67.6	10.1	1	\$949	65.3	68.6	62.7	73.7
Zinesto	Z2101G	LLGT27	2.1	67.5	10.2	0	\$948	69.4	68.0	59.9	72.8
Xitavo	XO 2181E	E3	2.1	67.3	10.2	0	\$945	63.4	71.0	64.7	70.0
Dyna-Gro	S20EN92	E3	2.0	67.3	9.9	0	\$944	66.5	68.7	64.2	69.6
Genesis	G2150E	E3	2.1	67.0	10.2	0	\$941	59.9	69.1	66.2	72.9
Zinesto	Z2002E	E3	2.0	66.9	10.3	2	\$939	63.2	68.2	69.2	66.9
Genesis	G1950E	E3	1.9	66.7	9.7	0	\$937	68.5	68.3	57.9	72.2
Asgrow	AG19XF3 U	RXF	1.9	66.5	9.8	0	\$934	66.2	69.3	60.8	69.7
Genesis	G1970E	E3	1.9	66.4	10.0	0	\$932	63.2	68.0	61.8	72.6
Latham	L 2193 E3	E3	2.1	66.3	10.1	0	\$930	63.6	67.8	67.8	65.8
Pioneer	P21T72E U	E3	2.1	66.0	9.9	0	\$927	64.4	71.1	54.6	73.9
Dairyland	DSR-2040E	E3	2.0	65.8	9.9	0	\$923	65.1	66.7	63.7	67.6
Genesis	G2270E	E3	2.2	65.7	10.1	0	\$923	62.9	73.2	62.1	64.6
Titan Pro	TP 20E22	E3	2.0	65.4	10.3	0	\$918	65.3	67.4	58.7	70.2
Latham	L 2283 XF	RXF	2.2	65.2	10.5	6	\$916	61.2	69.3	62.7	67.8
Xitavo	XO 1971E	E3	1.9	65.2	9.7	0	\$915	67.0	63.8	60.8	69.1
Dyna-Gro	S19XF62	RXF	1.9	65.1	9.9	0	\$913	62.6	71.3	61.5	64.8
Golden Harvest	GH2083E3S U	E3,ST	2.0	65.0	10.2	0	\$912	61.7	64.6	65.5	68.0
Dairyland	DSR-1919E	E3	1.9	64.8	10.2	0	\$910	60.4	62.8	67.0	69.1
Loyal	L2250E GC	E3	2.2	64.8	10.3	1	\$910	61.8	68.5	66.1	62.9
Golden Harvest	GH2292E3 U	E3	2.2	64.4	9.9	0	\$905	67.9	68.1	56.7	65.1
Stine	22EF23 U	E3	2.2	64.2	10.2	0	\$902	63.6	71.1	64.5	57.7
Dairyland	DSR-2188E	E3	2.1	63.8	10.6	0	\$896	62.6	68.7	60.6	63.4
Dyna-Gro	S18EN52 CK	E3	1.8	67.7	10.0	0	\$951	68.7	68.0	65.0	69.1
Averages =				65.9	10.1	0	\$926	64.2	68.5	62.6	68.7
LSD (0.10) =				2.8	0.3	1.4		2.9	3.3	4.3	3.8

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