

**A Special Report on the Field Performance of Ultra-Early Maturity Corn Hybrids in North Central Iowa**

**Performance Summary of Test Results from Mason City, Floyd and Lawler, Iowa**

95-100 Day CRM  
 TOP 36 HYBRIDS FOR GROSS INCOME OF 36 TESTED  
 AVERAGE of (9) REPLICATIONS

COMPANY	HYBRID	TECHNOLOGY	IST	YIELD Bu/A	MOIST %	LOGGING %	STAND (x 1000)	GROSS INCOME	
Kruger	K-1500RR	RR2	C250	201.5	16.5	0.2	31.4	\$433.1	
Great Lakes	5098-G3	YGPL, RR	P250	200.4	16.9	3.0	30.6	\$427.8	
Dekalb	DKC50-20	YGCB, RR2	P250	198.0	16.7	1.0	30.6	\$423.9	
Ottillie RO	3663YGCB	YGCB	C250	195.1	16.1	0.0	30.1	\$421.9	
Kruger	K-2697RR/YGCB	YGCB, RR2	C250	194.1	16.0	0.1	29.5	\$420.3	
Golden Harvest	L-7H67Bt/RR	YGCB, RR		197.1	17.0	0.2	31.4	\$419.9	
Kruger	K-2499RR/YGCB	YGCB, RR2	P250	205.4	19.6	6.7	30.9	\$419.0	
Heritage/Diener	965RR	RR2		193.4	16.1	0.0	30.4	\$418.4	
NuTech Seed	NT-9101RR/YGPL	YGPL, RR2	C250	195.8	16.9	2.8	29.8	\$417.8	
Cornelius	C272RRYG	YGCB, RR2	P250	190.2	15.5	0.7	30.1	\$415.1	
Great Lakes	4689BtRR	YGCB, RR	P250	192.3	16.6	10.7	29.3	\$412.1	
Golden Harvest	L-7H07Bt	YGCB		190.9	16.2	2.9	30.6	\$412.1	
Production Partners	4999YGCB	YGCB	C250	191.0	16.4	0.2	31.2	\$411.1	
Wyffels	W1959	YGPL	P250	189.1	15.9	0.1	28.0	\$410.3	
NuTech Seed	NT-1898CB/LL	CB, LL	C250	193.2	17.3	0.1	30.1	\$409.9	
Wyffels	W1935	CB, LL	P250	191.6	16.8	6.1	30.1	\$409.7	
NK Brand	N36-T3	CB, LL	C250	192.6	17.1	0.0	31.4	\$409.5	
Dekalb	DKC44-92	RR2	P250	188.1	16.0	0.0	30.9	\$407.1	
Cornelius	C313YG	YGCB	P250	189.8	16.6	0.2	30.1	\$406.7	
Garst	8815CB/LL	CB, LL	C250	187.0	15.9	2.7	29.9	\$405.7	
Prairie Brand	975RRCB	YGCB, RR2		186.6	15.8	6.7	29.3	\$405.0	
Ottillie RO	4004YGCB	YGCB	C250	189.3	17.0	0.8	30.9	\$403.2	
Viking	BW7684	YGPL	P250	185.5	15.9	4.0	30.4	\$402.4	
Production Partners	3301RR	RR	P250	189.7	17.4	4.1	29.5	\$401.3	
NK Brand	N36-R6	CB, LL	C250	187.6	16.7	3.4	30.1	\$401.3	
AgSource	3933CB	YGCB	P250	185.3	16.4	0.6	30.1	\$398.7	
Epley	E1185RR	RR2	0	182.8	15.6	1.6	29.8	\$398.6	
Heritage/Diener	1001RRCB	YGCB, RR2		187.5	17.1	0.1	29.8	\$398.4	
NuTech Seed	NX-2201 HX	HX1, LL	P250	190.5	18.2	0.1	27.1	\$397.5	
Prairie Brand	995RR	RR2		180.8	16.5	3.7	29.0	\$388.3	
Epley	E1163			179.8	16.5	5.8	30.6	\$385.8	
AgSource	NT-1889CB	CB	C250	174.1	16.0	5.9	29.3	\$376.9	
NK Brand	N34-F1	CB, LL	C250	174.3	16.8	10.7	29.6	\$372.5	
Cornelius	C294RRPL	YGPL, RR2	P250	173.6	16.7	23.1	30.9	\$371.9	
Production Partners	2200HX	HX1, LL	C250	177.4	18.1	6.0	28.5	\$370.7	
NK Brand	N45-A6	CB, LL	C250	188.8	16.1	0.8	30.1	\$407.9	
				Test Average =	189.2	16.6	3.2	30.0	\$405.3
				Isd(.10) =	10.4	0.6	7.0		
				C.V. =	4.0	2.4			

*Chris Clark*

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.035 Price = \$2.20

TECHNOLOGY: **CL** - Clear Field, **GT, RR2** - Glyphosate Resistant, **LL** - LibertyLink, **HX1** - Herculex, **HXRW** - Herculex Rootworm  
**HXTRA** - HX1 and HXRW, **YGCB** - YieldGard Corn Borer, **YGRW** - YieldGard Rootworm, **YGPL** - YGCB plus YGRW  
 IST: **C125, C250, C1250** - Cruiser @ .125, .250 and 1.250 g ai/seed. **P250** and **P1250** - Poncho @ .250 and 1.250 g ai/seed.

identifies the check hybrid entered in both ultra early- and early-season tests to assist in comparing the results.

Ultra Early-Season (95-100 Day CRM) Averages Adjusted by Check =	182.1	16.5	11.0	29.5	\$391.6
Early Season (101-106 Day CRM) Averages Adjusted by Check =	182.0	18.0	8.5	29.7	\$381.9
Full Season (107-110 Day CRM) Averages Adjusted by Check =	188.1	20.8	10.0	32.2	\$376.6

**Conclusions :** Our objective with this 2006 Special Project was to evaluate and quantify the performance of ultra-early hybrids at three northern locations in NC Iowa, and to compare their performance to other hybrid groups considered to be early-mid or full-season in these areas. The plot results for 2006 indicate that while "ultra-early" means relative maturity and not harvest date, these earlier hybrids demonstrated the ability to yield and stand well enough, and were drier at harvest causing their gross income to very competitive against the other two maturity groups. We wish you well in considering this data in your seed decision-making and advising processes.

**A Special Report on the Field Performance of Ultra-Early Maturity Corn Hybrids in North Central Iowa**

**Jeff Nicholas, Cerro Gordo County [ MASON CITY ]**

95-100 Day CRM

SOIL CONDITIONS: Clyde/Readlyn silty clay loam, 2% slope, poorly-drained, minimum-till  
5.5 pH, Very High P & K

PREVIOUS CROP/HERB: Soybeans - Roundup

FERTILITY PROGRAM: 140-0-0 Spring Applied 28%

PEST MANAGEMENT: Balance + Define + Atrazine (PRE) / Accent (POST)  
Capture T-banded with planter

PLANTED - SEEDING: May 11 - 32,400

TOP 36 HYBRIDS FOR GROSS INCOME OF 36 TESTED

HARVESTED - STAND: October 24 - 29,000

AVERAGE OF (3) REPLICATIONS

COMPANY	HYBRID	TECHNOLOGY	IST	YIELD Bu/A	MOIST %	LOGGING %	STAND (x 1000)	GROSS INCOME
Kruger	K-1500RR	RR2	C250	217.6	15.6	0.0	29.9	\$474.3
Ottilie RO	3663YGCB	YGCB	C250	214.6	15.2	0.0	29.0	\$470.5
Dekalb	DKC50-20	YGCB, RR2	P250	212.7	16.2	0.0	28.2	\$459.0
Kruger	K-2697RR/YGCB	YGCB, RR2	C250	209.0	15.1	0.0	27.4	\$458.8
Great Lakes	4689BtRR	YGCB, RR	P250	210.8	15.9	0.0	28.2	\$457.1
NK Brand	N36-T3	CB, LL	C250	213.5	16.9	0.0	30.7	\$455.2
Heritage/Diener	965RR	RR2		207.4	15.3	0.0	29.0	\$454.1
Prairie Brand	975RRCB	YGCB, RR2		207.5	15.4	0.0	26.6	\$453.8
Golden Harvest	L-7H07Bt	YGCB		206.7	15.3	0.0	29.0	\$452.8
Cornelius	C272RRYG	YGCB, RR2	P250	204.6	14.9	0.0	28.2	\$451.1
AgSource	3933CB	YGCB	P250	207.7	15.9	0.0	29.9	\$450.5
Wyffels	W1959	YGPL	P250	205.5	15.3	0.0	28.2	\$449.9
NuTech Seed	NT-9101RR/YGPL	YGPL, RR2	C250	209.7	16.6	0.0	29.9	\$449.3
Great Lakes	5098-G3	YGPL, RR	P250	208.8	16.8	0.0	27.4	\$446.1
Ottilie RO	4004YGCB	YGCB	C250	206.2	16.7	0.0	29.9	\$441.2
Dekalb	DKC44-92	RR2	P250	202.1	15.6	0.0	29.0	\$440.5
Production Partners	4999YGCB	YGCB	C250	202.1	15.7	0.0	30.7	\$440.0
Viking	BW7684	YGPL	P250	199.3	15.0	0.0	29.9	\$438.4
Production Partners	3301RR	RR	P250	204.7	16.8	0.0	26.6	\$437.7
Golden Harvest	L-7H67Bt/RR	YGCB, RR		204.3	16.7	0.0	29.9	\$437.1
Cornelius	C313YG	YGCB	P250	201.5	16.1	0.0	29.0	\$435.2
Epley	E1185RR	RR2		197.8	15.1	0.0	29.9	\$434.3
Cornelius	C294RRPL	YGPL, RR2	P250	200.7	16.3	0.0	29.0	\$432.7
Kruger	K-2499RR/YGCB	YGCB, RR2	P250	210.4	19.2	0.0	29.0	\$432.0
NK Brand	N36-R6	CB, LL	C250	197.5	15.9	0.0	29.9	\$428.5
Prairie Brand	995RR	RR2		196.8	16.6	0.0	28.2	\$422.1
NuTech Seed	NT-1898CB/LL	CB, LL	C250	198.4	17.3	0.0	30.7	\$420.7
Epley	E1163			192.7	15.8	0.0	29.0	\$418.9
NuTech Seed	NX-2201 HX	HX1, LL	P250	200.7	18.2	0.0	25.7	\$418.8
Garst	8815CB/LL	CB, LL	C250	191.6	15.5	0.0	31.5	\$418.2
Wyffels	W1935	CB, LL	P250	189.7	16.2	0.0	29.9	\$409.2
Heritage/Diener	1001RRCB	YGCB, RR2		191.1	16.8	0.0	28.2	\$408.4
NK Brand	N34-F1	CB, LL	C250	188.2	16.4	0.0	29.0	\$405.1
AgSource	NT-1889CB	CB	C250	180.8	15.5	0.0	26.6	\$394.3
Production Partners	2200HX	HX1, LL	C250	191.2	19.3	0.0	30.7	\$392.0
NK Brand	N45-A6	CB, LL	C250	199.6	15.4	0.0	29.9	\$436.4
Test Average =				202.3	16.2	0.0	29.0	\$436.8
lsd(.10) =				12.0	0.8	ns		
C.V. =				4.3	3.6			

*Chris Clark*

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.035 Price = \$2.20

TECHNOLOGY: CL - Clear Field, GT, RR2 - Glyphosate Resistant, LL - LibertyLink, HX1 - Herculex, HXRW - Herculex Rootworm  
HXTRA - HX1 and HXRW, YGCB - YieldGard Corn Borer, YGRW - YieldGard Rootworm, YGPL - YGCB plus YGRW  
IST: C125, C250, C1250 - Cruiser @ .125, .250 and 1.250 g ai/seed. P250 and P1250 - Poncho @ .250 and 1.250 g ai/seed.

identifies the check hybrid entered in both early- and full-season tests to assist in comparing the results.

**FIELD NOTES:** This location had a good growing season overall. It was definitely wet during planting season into the early-mid summer, but July turned dry and hot which may have taken the top end off the crop. Yields and standability were still quite good on this farm where the plot was located. Jeff said different soil types really factored into the final yields this year due to growing conditions.

**A Special Report on the Field Performance of Ultra-Early Maturity Corn Hybrids in North Central Iowa**

**Maurice Johnson, Floyd County [ FLOYD ]**

95-100 Day CRM

SOIL CONDITIONS: Tripoli silty clay loam, 1% slope, poorly-drained, minimum-till  
6.9 pH, Very High P & Medium K

PREVIOUS CROP/HERB: Soybeans - Roundup

FERTILITY PROGRAM: 140-0-150 Spring Applied 28%

PEST MANAGEMENT: Steadfast + Callisto + Atrazine (POST)  
Capture T-banded with planter at full-rate

PLANTED - SEEDING: May 7 - 33,100

TOP 36 HYBRIDS FOR GROSS INCOME OF 36 TESTED

HARVESTED - STAND: October 14 - 31,000

AVERAGE OF (3) REPLICATIONS

COMPANY	HYBRID	TECHNOLOGY	IST	YIELD Bu/A	MOIST %	LODGING %	STAND (x 1000)	GROSS INCOME
Wyffels	W1935	CB, LL	P250	204.5	16.4	8.3	30.2	\$439.7
Kruger	K-1500RR	RR2	C250	202.1	16.2	0.0	31.0	\$436.2
Wyffels	W1959	YGPL	P250	198.5	15.8	0.0	32.6	\$431.1
Garst	8815CB/LL	CB, LL	C250	198.1	15.9	0.0	28.6	\$429.4
Dekalb	DKC50-20	YGCB, RR2	P250	198.8	16.3	0.0	31.8	\$428.1
Great Lakes	5098-G3	YGPL, RR	P250	198.2	16.3	3.3	33.4	\$426.8
Golden Harvest	L-7H67Bt/RR	YGCB, RR		198.8	16.7	0.0	31.8	\$425.6
NuTech Seed	NT-9101RR/YGPL	YGPL, RR2	C250	198.6	16.6	0.0	30.2	\$425.5
Kruger	K-2499RR/YGCB	YGCB, RR2	P250	205.0	18.6	0.7	31.0	\$424.9
NK Brand	N36-R6	CB, LL	C250	196.8	16.4	1.7	31.8	\$423.4
NuTech Seed	NT-1898CB/LL	CB, LL	C250	197.3	16.8	0.3	33.4	\$421.4
Heritage/Diener	1001RRCB	YGCB, RR2		196.4	16.7	0.0	31.0	\$420.7
NuTech Seed	NX-2201 HX	HX1, LL	P250	197.4	17.5	0.0	27.0	\$417.0
Production Partners	4999YGCB	YGCB	C250	192.4	16.0	0.7	31.0	\$416.8
Golden Harvest	L-7H07Bt	YGCB		191.6	15.9	0.0	31.0	\$415.8
Kruger	K-2697RR/YGCB	YGCB, RR2	C250	190.7	15.7	0.0	31.8	\$414.9
NK Brand	N36-T3	CB, LL	C250	193.5	16.8	0.0	31.8	\$413.7
Cornelius	C272RRYG	YGCB, RR2	P250	187.4	15.5	0.3	32.6	\$409.3
Great Lakes	4689BtRR	YGCB, RR	P250	189.5	16.3	11.3	30.2	\$408.5
Viking	BW7684	YGPL	P250	187.7	15.7	0.0	31.8	\$408.1
Epley	E1185RR	RR2		184.8	15.1	1.3	30.2	\$405.9
Ottillie RO	4004YGCB	YGCB	C250	189.6	16.8	0.7	31.0	\$405.4
Heritage/Diener	965RR	RR2		187.1	16.0	0.0	32.6	\$405.4
Prairie Brand	975RRCB	YGCB, RR2		185.8	15.5	3.0	30.2	\$405.3
Ottillie RO	3663YGCB	YGCB	C250	186.3	15.9	0.0	32.6	\$403.9
AgSource	NT-1889CB	CB	C250	186.0	16.0	0.7	31.8	\$402.8
Production Partners	2200HX	HX1, LL	C250	188.5	17.1	0.0	27.8	\$400.6
AgSource	3933CB	YGCB	P250	184.4	15.9	0.3	29.4	\$400.1
Production Partners	3301RR	RR	P250	187.6	17.2	0.0	31.8	\$398.5
Cornelius	C313YG	YGCB	P250	180.6	16.0	0.0	30.2	\$390.7
Prairie Brand	995RR	RR2		180.9	16.3	1.3	30.2	\$390.1
Epley	E1163			177.1	16.3	0.7	30.2	\$381.7
Cornelius	C294RRPL	YGPL, RR2	P250	178.2	16.8	24.7	31.8	\$380.6
Dekalb	DKC44-92	RR2	P250	173.6	15.8	0.0	31.8	\$377.2
NK Brand	N34-F1	CB, LL	C250	173.2	16.4	16.7	31.0	\$372.7
NK Brand	N45-A6	CB, LL	C250	183.9	15.9	1.7	28.6	\$399.0
Test Average =				190.3	16.3	2.2	31.0	\$409.9
Isd(.10) =				13.4	0.4	7.7		
C.V. =				5.1	1.9			

*Chris Clark*

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.035 Price = \$2.20

TECHNOLOGY: CL - Clear Field, GT, RR2 - Glyphosate Resistant, LL - LibertyLink, HX1 - Herculex, HXRW - Herculex Rootworm  
HXTRA - HX1 and HXRW, YGCB - YieldGard Corn Borer, YGRW - YieldGard Rootworm, YGPL - YGCB plus YGRW  
IST: C125, C250, C1250 - Cruiser @ .125, .250 and 1.250 g ai/seed. P250 and P1250 - Poncho @ .250 and 1.250 g ai/seed.

→ identifies the check hybrid entered in both early- and full-season tests to assist in comparing the results.

**FIELD NOTES:** Maurice reported a growing season where weather events affected the crop in significant ways. This location experienced a very dry July until pollination when some rain fell. Right in that pollination period a major wind storm occurred which really affected many fields, and moreso to the north and east of their farm. Overall, it was a very good plot for these varying conditions.

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**Don Blazek Jr., Chickasaw County [LAWLER]**

95-100 Day CRM

SOIL CONDITIONS: Cresco/Protovin clay loam, 4% slope, moderately-drained, minimum-till  
6.6 pH, High P & K

PREVIOUS CROP/HERB: Soybeans - Touchdown

FERTILITY PROGRAM: 120-0-0 Spring Applied 28%

PEST MANAGEMENT: Balance Pro (PRE) / Callisto + Atrazine (POST)  
Capture T-banded with planter at full-rate

PLANTED - SEEDING: May 6 - 33,100

TOP 36 HYBRIDS FOR GROSS INCOME OF 36 TESTED

HARVESTED - STAND: October 15 - 30,100

AVERAGE of (3) REPLICATIONS

COMPANY	HYBRID	TECHNOLOGY	IST	YIELD Bu/A	MOIST %	LOGGING %	STAND (x 1000)	GROSS INCOME
Great Lakes	5098-G3	YGPL, RR	P250	194.0	17.4	5.7	31.0	\$410.6
Dekalb	DKC44-92	RR2	P250	188.7	16.8	0.0	31.8	\$403.6
Kruger	K-2499RR/YGCB	YGCB, RR2	P250	200.8	20.9	19.3	32.6	\$400.3
Golden Harvest	L-7H67Bt/RR	YGCB, RR		188.1	17.5	0.7	32.6	\$397.3
Heritage/Diener	965RR	RR2		185.8	16.9	0.0	29.4	\$396.3
Cornelius	C313YG	YGCB	P250	187.4	17.7	0.7	31.0	\$394.3
Ottilie RO	3663YGCB	YGCB	C250	184.4	17.1	0.0	28.6	\$392.2
Kruger	K-1500RR	RR2	C250	184.9	17.6	0.7	33.4	\$389.9
Kruger	K-2697RR/YGCB	YGCB, RR2	C250	182.7	17.1	0.3	29.4	\$388.2
NuTech Seed	NT-1898CB/LL	CB, LL	C250	184.0	17.7	0.0	26.2	\$387.6
Cornelius	C272RRYG	YGCB, RR2	P250	178.6	16.2	1.7	29.4	\$385.5
Dekalb	DKC50-20	YGCB, RR2	P250	182.6	17.6	3.0	31.8	\$385.3
Wyffels	W1935	CB, LL	P250	180.6	17.7	10.0	30.2	\$380.5
NuTech Seed	NT-9101RR/YGPL	YGPL, RR2	C250	179.0	17.4	8.3	29.4	\$379.0
Production Partners	4999YGCB	YGCB	C250	178.5	17.4	0.0	31.8	\$377.4
Great Lakes	4689BtRR	YGCB, RR	P250	176.7	17.8	20.7	29.4	\$371.6
Garst	8815CB/LL	CB, LL	C250	171.2	16.1	8.0	29.4	\$369.8
Golden Harvest	L-7H07Bt	YGCB		174.3	17.4	8.7	31.8	\$368.9
Production Partners	3301RR	RR	P250	176.9	18.3	12.3	30.2	\$368.5
Heritage/Diener	1001RRCB	YGCB, RR2		175.0	18.0	0.3	30.2	\$366.8
Ottilie RO	4004YGCB	YGCB	C250	172.1	17.5	1.7	31.8	\$363.4
Viking	BW7684	YGPL	P250	169.6	16.9	12.0	29.4	\$361.6
NK Brand	N36-T3	CB, LL	C250	170.9	17.6	0.0	31.8	\$360.2
Epley	E1163			169.5	17.6	16.7	32.6	\$357.5
NuTech Seed	NX-2201 HX	HX1, LL	P250	173.4	19.0	0.3	28.6	\$357.4
Prairie Brand	975RRCB	YGCB, RR2	0	166.5	16.6	17.0	31.0	\$356.8
Epley	E1185RR	RR2	0	165.9	16.5	3.3	29.4	\$356.3
NK Brand	N36-R6	CB, LL	C250	168.4	17.9	8.7	28.6	\$353.2
Prairie Brand	995RR	RR2		164.8	16.7	9.7	28.6	\$352.9
Wyffels	W1959	YGPL	P250	163.3	16.5	0.3	23.1	\$350.8
AgSource	3933CB	YGCB	P250	163.7	17.4	1.3	31.0	\$346.6
NK Brand	N34-F1	CB, LL	C250	161.6	17.7	15.3	28.6	\$340.2
AgSource	NT-1889CB	CB	C250	155.4	16.5	17.0	29.4	\$333.9
Production Partners	2200HX	HX1, LL	C250	152.4	18.0	18.0	27.0	\$319.0
Cornelius	C294RRPL	YGPL, RR2	P250	141.9	16.9	44.7	31.8	\$302.9
NK Brand	N45-A6	CB, LL	C250	182.7	17.1	0.7	31.8	\$388.6
Test Average =				174.9	17.4	7.4	30.1	\$369.9
Isd(.10) =				18.3	0.6	15.5		
C.V. =				7.7	2.6			

*Chris Clark*

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.035 Price = \$2.20

TECHNOLOGY: CL - Clear Field, GT, RR2 - Glyphosate Resistant, LL - LibertyLink, HX1 - Herculex, HXRW - Herculex Rootworm  
HXTRA - HX1 and HXRW, YGCB - YieldGard Corn Borer, YGRW - YieldGard Rootworm, YGPL - YGCB plus YGRW  
IST: C125, C250, C1250 - Cruiser @ .125, .250 and 1.250 g ai/seed. P250 and P1250 - Poncho @ .250 and 1.250 g ai/seed.

→ identifies the check hybrid entered in both early- and full-season tests to assist in comparing the results.

**FIELD NOTES:** Donnie reported a very dry two-month period in July & August that definitely hurt the crop yields. The standability and stalk quality of the hybrids in the plot were declining because of the drought stress and stalk rots so it was time to get the plot out.