



2004 Strip Plots

ISU Grain Quality Laboratory

Results: Bremer County Corn Strip Plot

Hybrids are listed in order from highest to lowest yield.

Company	Hybrid	Yield ¹ (Bu. / A.)	Value ² (\$ / A.)	Test Wt. ³ (lb. / Bu.)	Field Moisture ³ (%)	Protein (%)	Oil (%)	Starch (%)	Density (g. / cc)	EPVBF ⁴ (\$ / Bu.)
Long Term Iowa Averages:						8.0	3.6	60.0	1.27	
Pioneer	34N41 WX	259.4	\$412.22	57.1	23.4	7.7	3.9	60.4	1.30	\$1.83
Legend	LS8909 Bt	257.6	\$405.80	52.2	23.9	7.4	3.8	60.7	1.26	\$1.80
NK	N67W5	248.3	\$380.84	52.6	25.4	6.4	3.7	61.0	1.25	\$1.72
LG	2540 Bt	247.6	\$364.86	52.2	27.6	7.0	3.7	60.7	1.26	\$1.76
Garst	8464 WX	246.1	\$374.19	52.7	25.9	7.1	3.6	61.0	1.28	\$1.76
Trelay	7748YGCB	245.5	\$388.07	52.2	23.7	6.5	3.8	60.0	1.26	\$1.74
Merschman	M20108 Pon 250	245.1	\$390.80	52.1	23.2	8.2	4.0	60.8	1.27	\$1.87
Agventure	AV783CB	244.1	\$389.87	56.0	23.1	7.5	3.9	59.4	1.29	\$1.81
Agventure	AV743CB Cruiser	243.4	\$369.32	52.8	26.0	7.4	4.3	60.9	1.25	\$1.84
Pioneer	36B06 WX	240.4	\$404.54	55.3	20.0	8.1	3.8	60.7	1.30	\$1.84
NK	N60-B6 Cruiser	238.1	\$383.50	51.9	22.6	6.6	3.5	61.7	1.25	\$1.72
Garst	8552YG1	237.0	\$358.37	51.8	26.2	7.1	3.8	60.6	1.26	\$1.78
LG	2533 Bt	235.1	\$360.65	52.6	25.4	7.1	3.5	60.8	1.26	\$1.75
Trelay	7782YGCB	234.3	\$384.50	53.6	21.5	7.3	3.5	59.7	1.27	\$1.76
FS	5634Bt	234.1	\$362.28	53.5	24.9	7.4	3.6	60.2	1.27	\$1.78
Pioneer	35Y67 Herculex 1	233.1	\$374.82	54.9	22.7	6.7	3.5	60.8	1.27	\$1.72
Mycogen	2T652	232.9	\$373.31	52.0	22.9	7.7	4.0	60.0	1.25	\$1.83
Dekalb	DKC54-51	232.8	\$395.57	56.1	19.4	7.1	3.5	60.8	1.29	\$1.75
Agrigold	A6395Bt Pon 250	231.3	\$341.39	52.1	27.5	6.8	3.3	60.4	1.26	\$1.71
NK	N60-B6	230.5	\$368.20	52.0	23.1	7.2	3.9	61.7	1.27	\$1.79
Golden Harvest	H7990 Bt	230.1	\$379.62	53.6	21.2	7.0	3.4	60.8	1.27	\$1.74
Wyffels	W5223	228.4	\$379.85	53.4	20.7	6.7	3.8	61.3	1.25	\$1.75
Pioneer	33B51	228.0	\$356.04	55.4	24.4	6.5	3.5	61.0	1.26	\$1.71
Mycogen	2E685	226.9	\$326.91	54.5	28.8	7.5	4.2	60.1	1.30	\$1.84
FS	4453	226.4	\$377.76	52.4	20.5	6.7	3.8	60.5	1.23	\$1.75
LG	2513 Bt	225.9	\$379.46	53.3	20.1	7.1	3.6	60.1	1.27	\$1.76
Gold Country	103-02 Pon 250	224.3	\$376.84	54.3	20.1	6.9	3.5	61.1	1.28	\$1.74
Gold Country	108-02CB Pon 250	223.9	\$380.46	54.1	19.4	7.0	3.9	60.7	1.27	\$1.78
Agrigold	A6333Bt Pon 250	223.8	\$348.23	53.4	24.6	7.3	3.7	61.2	1.27	\$1.78
Gold Country	103-02 CB	221.9	\$371.49	52.3	20.3	6.6	3.5	61.1	1.25	\$1.72
Garst	8545	221.6	\$336.95	53.7	25.9	8.8	4.5	59.9	1.29	\$1.95
Gold Country	105-03 Roundup	221.2	\$376.47	55.1	19.3	7.0	3.8	61.1	1.26	\$1.77
Dekalb	DKC58-78	219.1	\$358.45	54.7	21.7	7.4	3.6	60.7	1.29	\$1.78
Trelay	7601YGCB	218.4	\$363.81	54.4	20.6	6.7	3.4	61.2	1.27	\$1.72
Legend	LS5408	216.4	\$347.41	52.0	22.8	7.8	4.3	60.4	1.27	\$1.87
Epley	E2490YGCB	215.0	\$334.50	52.4	24.6	7.6	3.6	60.3	1.26	\$1.79
Pioneer	34M97 WX	214.8	\$332.50	56.5	24.9	7.5	4.0	60.1	1.27	\$1.82
Agventure	AV6901CB Cruiser	214.5	\$331.45	54.5	25.0	7.0	3.7	60.6	1.27	\$1.76
Epley	E2433	214.2	\$360.93	53.2	19.9	7.1	3.5	60.9	1.27	\$1.75
Garst	8541 WX	214.0	\$320.59	52.9	26.7	6.7	3.6	60.4	1.30	\$1.73
Dekalb	DKC50-18	213.9	\$379.39	55.4	16.7	6.4	3.5	61.9	1.27	\$1.70
Merschman	M21104	212.9	\$362.94	52.1	19.2	7.5	3.7	60.0	1.27	\$1.80
Golden Harvest	H7990 Bt Pon 1250	212.3	\$353.11	52.4	20.7	6.5	3.4	61.4	1.26	\$1.70
Wyffels	W3813	210.5	\$347.78	53.5	21.1	7.1	3.7	60.1	1.26	\$1.77
Gold Country	105-04CBR Cruiser	209.4	\$344.24	53.6	21.4	6.8	3.4	61.3	1.28	\$1.72
NK	N50P5	208.1	\$342.77	52.6	21.3	7.3	3.6	60.1	1.28	\$1.77
Gold Country	103-02CB	205.5	\$351.46	53.0	19.0	6.8	3.7	61.0	1.26	\$1.75
NK	N60B6	205.3	\$330.70	51.9	22.6	6.6	3.3	60.8	1.26	\$1.70
Agventure	AV6230CB Cruiser	205.1	\$359.15	54.6	17.5	7.1	3.4	61.3	1.26	\$1.74
Golden Harvest	H8410Bt	204.2	\$332.33	52.8	22.0	6.9	3.5	60.6	1.27	\$1.74
Pioneer	34M93 Herculex 1	204.0	\$321.29	55.2	23.9	7.0	3.5	60.1	1.26	\$1.74
NK	N46J7	202.6	\$344.20	53.1	19.4	7.2	3.5	60.9	1.28	\$1.76
Epley	E1440YGCB	198.3	\$344.59	54.8	18.0	6.9	3.7	61.0	1.27	\$1.76
Golden Harvest	H8977Bt	193.5	\$297.91	53.6	25.2	7.2	3.4	59.8	1.27	\$1.75
Check Variety Information: (average values for check strips)										
Pioneer	34N42 Herculex 1	225.5	\$354.44	51.1	22.4	6.7	3.3	56.5	1.20	\$1.71
Averages⁵		224.7	\$361.75	53.5	22.6	7.1	3.7	60.7	1.27	\$1.77
Standard Deviation⁵		15.4	\$23.88	1.4	2.8	0.5	0.3	0.5	0.01	\$0.05
Maximum⁵		259.4	\$412.22	57.1	28.8	8.8	4.5	61.9	1.30	\$1.95
Minimum⁵		193.5	\$297.91	51.8	16.7	6.4	3.3	59.4	1.23	\$1.70

YIELD, PROTEIN, OIL, STARCH, TEST WEIGHT AND DENSITY BASIS 15% MOISTURE.

VALUE IS GROSS REVENUE PER ACRE MINUS 2.75 CENTS/BU/PT. FOR DRYING.

DENSITY IS A MEASURE OF KERNEL HARDNESS.

¹ Yield is check-adjusted in plots with check strips.

² Value is determined by the current price for corn (\$1.82) and a drying charge.

³ Field moisture content and test weight data were provided by the participating plot operator.

⁴ EPVBF is the Estimated Processed Value per Bushel to be used for Feed. It is determined by grain quality and the current market price for feed ingredients.

⁵ Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not including check strips (where applicable).

Ingredient Prices for EPVBF

Corn (\$ / bu.)	1.82
White Grease (\$ / lb.)	0.155
DDG (\$ / ton)	100
48% Soy Meal (\$ / ton)	160