



2003 Strip Plots

ISU Grain Quality Laboratory

Results: Iowa 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	
MRK	03BT 109	185.0	\$337.03	54.3	24.4	7.3	4.0	59.0	1.25	\$2.06	
Wyffels	7273 G	181.5	\$333.15	53.0	23.9	7.5	4.5	58.6	1.22	\$2.13	
MRK	03BT 110	179.0	\$319.68	51.9	25.7	7.7	4.4	58.4	1.22	\$2.14	
DeKalb	DKC63-50	175.4	\$334.88	53.8	21.2	7.8	3.6	59.6	1.23	\$2.06	
Merschman	20108	175.3	\$295.13	58.9	29.4	6.5	3.9	57.3	1.25	\$1.97	
Mycogen	2G768	174.6	\$290.74	53.2	30.1	7.3	4.0	58.1	1.23	\$2.06	
Mycogen	2A812	173.2	\$286.97	54.9	30.4	6.9	3.7	58.4	1.23	\$1.99	
Croplan	675	173.1	\$335.33	55.7	20.2	7.9	3.9	59.2	1.25	\$2.10	
Asgrow	RX664	172.8	\$332.74	57.5	20.6	7.3	3.6	60.2	1.28	\$2.02	
Croplan	691	171.6	\$324.31	53.4	21.9	7.8	3.8	59.1	1.24	\$2.08	
Pioneer	33R78	170.5	\$311.50	53.9	24.2	8.2	3.5	59.1	1.24	\$2.09	
Asgrow	RX7024G	170.4	\$320.65	56.0	22.2	7.7	3.9	58.8	1.26	\$2.08	
DeKalb	DKC58-78	170.3	\$324.77	55.3	21.3	7.8	4.0	59.6	1.26	\$2.10	
Pioneer	34H32	170.1	\$336.50	59.2	18.7	8.3	3.4	59.9	1.30	\$2.09	
Trelay	7748 BT	169.3	\$314.49	53.6	23.1	7.9	4.5	58.3	1.23	\$2.17	
Wyffels	8653	168.3	\$252.83	57.2	36.0	8.1	3.5	56.2	1.19	\$2.08	
NK	75-C4 BT	168.0	\$256.05	56.1	35.2	7.4	2.8	56.8	1.21	\$1.94	
Merschman	20109	167.2	\$291.19	53.4	27.3	8.0	4.0	58.4	1.21	\$2.12	
Garst	8566	165.4	\$310.74	57.7	22.3	7.9	4.4	58.7	1.22	\$2.16	
Fontenelle	HC 7638 YG	163.7	\$306.25	53.5	22.6	8.6	4.1	58.6	1.21	\$2.19	
Trelay	7807 BT	159.7	\$297.90	51.9	22.8	8.7	3.8	58.4	1.22	\$2.17	
Midwest	G7719 B	159.4	\$305.76	55.1	20.9	7.9	3.4	59.6	1.26	\$2.05	
Midwest	G7807 B	156.2	\$308.63	54.9	18.8	8.5	3.7	59.3	1.24	\$2.14	
NK	70-T9 BT	154.9	\$278.29	52.6	25.3	7.1	3.9	58.8	1.24	\$2.03	
Crows	4908	154.6	\$301.94	54.1	19.6	8.0	3.6	59.6	1.25	\$2.08	
Hawkeye	SX49	149.3	\$293.32	53.4	19.2	8.0	3.8	59.7	1.23	\$2.10	
Fontenelle	F5591	149.1	\$282.74	55.1	21.7	7.5	3.9	59.5	1.24	\$2.07	
Crows	5202 B	147.7	\$261.80	53.8	26.2	8.0	3.7	58.5	1.25	\$2.09	
Garst	8461	146.5	\$290.69	55.1	18.5	8.2	3.8	59.5	1.24	\$2.12	
Hawkeye	314 BT	145.3	\$268.29	53.2	23.5	8.1	3.7	58.6	1.24	\$2.10	
Check Variety Information: (average values for check strips)											
Pioneer	33P67	181.2	\$314.04	57.8	27.6	7.1	3.5	58.5	1.26	\$1.99	
Averages⁵		165.6	\$303.48	54.7	23.9	7.8	3.8	58.8	1.24	\$2.09	
Standard Deviation⁵		10.9	\$24.56	1.9	4.5	0.5	0.4	0.9	0.02	\$0.06	
Maximum⁵		185.0	\$337.03	59.2	36.0	8.7	4.5	60.2	1.30	\$2.19	
Minimum⁵		145.3	\$252.83	51.9	18.5	6.5	2.8	56.2	1.19	\$1.94	

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 (\$2.08) 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.)	2.08
White Grease (\$ / lb.)	0.19
DDG (\$ / ton)	95
48% Soy Meal (\$ / ton)	205