



2002 Strip Plots

ISU Grain Quality Laboratory

Results: Nashua-Plainfield FFA 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
Patriot	40-771	231.8	\$550.10	57.7	19.6	9.1	3.8	58.7	1.26	\$2.59	
NK	N58-D1	231.2	\$550.72	56.1	19.3	8.7	3.5	59.0	1.25	\$2.54	
Patriot	5105 Bt	228.3	\$532.55	56.5	21.1	8.6	4.1	58.1	1.25	\$2.58	
Patriot	40-550	218.5	\$525.12	56.9	18.5	8.8	3.7	59.2	1.25	\$2.56	
Patriot	5082 Bt	217.4	\$511.26	56.4	20.4	9.0	4.0	58.5	1.24	\$2.60	
Patriot	6120	216.4	\$510.98	56.3	20.1	9.0	4.2	58.1	1.24	\$2.61	
Patriot	4036 Bt	215.2	\$516.08	58.4	18.7	9.9	4.4	57.1	1.29	\$2.69	
NK	N45-A6	214.7	\$522.58	56.6	17.4	9.2	3.9	58.4	1.27	\$2.60	
Patriot	40-221	214.5	\$520.29	57.2	17.7	8.8	3.7	59.3	1.25	\$2.56	
Patriot	4036	214.3	\$516.93	58.8	18.2	9.8	4.3	57.3	1.29	\$2.67	
Patriot	50-921	214.2	\$513.63	57.4	18.7	9.1	4.0	58.0	1.27	\$2.60	
Patriot	40-441	211.8	\$509.68	57.9	18.4	8.6	3.8	59.0	1.26	\$2.55	
Patriot	4026 Bt	202.2	\$496.09	58.9	16.7	9.8	3.9	58.0	1.28	\$2.64	
Patriot	40-550 T22	200.0	\$479.68	57.9	18.7	8.5	3.8	59.2	1.24	\$2.55	
Patriot	39-971	199.1	\$491.62	59.3	16.1	9.7	3.4	58.8	1.27	\$2.60	
Patriot	RT 105	198.7	\$477.08	55.9	18.6	9.8	3.6	58.1	1.25	\$2.62	
Check Variety Information: (average values for check strips)											
Patriot	4060	217.5	\$521.13	57.8	18.8	10.0	4.0	57.6	1.26	\$2.66	
Averages ⁵											
		214.3	\$514.02	57.4	18.6	9.2	3.9	58.4	1.26	\$2.60	
Standard Deviation ⁵											
		10.5	\$21.05	1.1	1.3	0.5	0.3	0.7	0.02	\$0.04	
Maximum ⁵											
		231.8	\$550.72	59.3	21.1	9.9	4.4	59.3	1.29	\$2.69	
Minimum ⁵											
		198.7	\$477.08	55.9	16.1	8.5	3.4	57.1	1.24	\$2.54	

**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 (\$2.50) 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.)	2.50
White Grease (\$ / lb.)	0.13
DDG (\$ / ton)	100
48% Soy Meal (\$ / ton)	185