



2005 Strip Plot Variety Trials

ISU Grain Quality Laboratory

Results: LeMars FFA

Hybrids are listed in order from highest to lowest yield.

Company	Hybrid	Yield (Bu. / A.)	Value ¹ (\$ / A.)	Test Wt. ² (lb. / Bu.)	Field Moisture ² (%)	Protein (%)	Oil (%)	Starch (%)	Density (g. / cc)	EPVBF ³ (\$ / Bu.)
Long Term Iowa Averages:						8.0	3.6	60.0	1.27	
Pioneer	34N45	170.3	\$307.68	60.2	15.5	8.4	3.4	60.8	1.30	\$1.83
Dekalb	58-80	167.5	\$303.53	58.7	15.3	9.1	3.6	59.7	1.28	\$1.90
Dekalb	53-34	166.7	\$302.40	59.9	15.2	9.0	3.4	60.4	1.29	\$1.87
Croplan	516RR Bt	156.6	\$284.11	62.9	15.2	9.4	3.2	60.1	1.31	\$1.88
Dekalb	58-24	153.9	\$277.96	61.3	15.5	9.4	3.7	59.4	1.29	\$1.93
Agrigold	A6333RR Bt	153.0	\$274.21	59.0	16.0	8.6	3.6	60.3	1.26	\$1.86
Garst	8553 RR	148.6	\$265.87	59.9	16.1	8.5	3.4	60.8	1.27	\$1.84
Agrigold	6395RR Bt	147.9	\$269.21	59.0	15.0	9.1	3.5	60.0	1.28	\$1.89
Mycogen	2K511	144.8	\$260.39	59.0	15.8	8.8	3.6	60.2	1.28	\$1.88
Garst	8881 RR	143.8	\$261.78	57.6	15.0	8.1	3.7	60.7	1.29	\$1.84
Croplan	501RR Bt	138.6	\$254.48	58.8	14.4	9.4	3.6	59.7	1.28	\$1.92
Pioneer	34H35	138.4	\$248.90	62.6	15.8	8.9	3.4	60.2	1.30	\$1.86

Averages⁴	152.5	\$275.88	59.9	15.4	8.9	3.5	60.2	1.28	\$1.88
Standard Deviation⁴	11.0	\$19.82	1.6	0.5	0.4	0.2	0.4	0.01	\$0.03
Maximum⁴	170.3	\$307.68	62.9	16.1	9.4	3.7	60.8	1.31	\$1.93
Minimum⁴	138.4	\$248.90	57.6	14.4	8.1	3.2	59.4	1.26	\$1.83

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.

Ingredient Prices for EPVBF

Corn (\$ / bu.)	1.82
White Grease (\$ / lb.)	0.17
DDG (\$ / ton)	70
48% Soy Meal (\$ / ton)	165

¹ Value is determined by the current price for corn (\$1.82) and a drying charge.

² Field moisture content and test weight data were provided by the participating plot operator.

³ EPVBF is the Estimated Processed Value per Bushel to be used for Feed. It is determined by grain quality

⁴ Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results.