

**ARKANSAS CORN AND GRAIN SORGHUM RESEARCH AND PROMOTION BOARD
RESEARCH UPDATE -2003**

Title: Economic Analysis of Corn and Grain Sorghum Production Practices

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Results: The objective of this study is to provide an economic analysis of Corn and Grain Sorghum Research Verification Program. This report includes an economic analysis for the 2003 data. Additional economic information will be available in the full report

Table 1. Economic analysis of Grain Sorghum Research Verification data, 2003.

MILO	County		
	Clay	Pulaski	Average
Yield	81.9	64.21	73.1
Direct Expenses			
Crop Seed	7.35	6.6	\$6.98
Custom Work	48.05	29.33	\$38.69
Fert. & Lime	59.08	52.25	\$55.67
Herbicides	22.16	14.89	\$18.53
Operator Labor	5.16	6.13	\$5.65
Irrigation Labor	0.4	0.96	\$0.68
Diesel Fuel	17.97	10.37	\$14.17
Repair & Maint.	15.56	10.43	\$13.00
Interest on Op. Cap.	6.33	5.39	\$5.86
Total Direct Expense	182.09	136.38	\$159.24
Total Fixed Expense	74.47	41.02	\$57.75
Total Specified Expense	256.56	177.4	216.98

Table 2. Economic analysis of Corn Research Verification data, 2003.

	Craighead 1	Craighead 2	Desha 1	Desha 2	Jefferson 1	Jefferson 2	Johnson	Monroe	Poinsett 1	Poinsett 2	St. Francis	Yell	Average
Direct Expenses	194	178	205	195	208	208	139	197	194	185	106	153	180
Crop Seed	\$42.78	\$42.78	\$42.78	\$42.78	\$42.78	\$42.78	\$33.90	\$37.29	\$36.16	\$36.16	\$42.78	\$29.94	\$39.41
Custom Work	\$75.08	\$69.96	\$78.60	\$75.40	\$74.06	\$74.06	\$44.48	\$72.04	\$77.08	\$74.20	\$55.92	\$48.96	\$68.32
Fert. & Lime	\$69.50	\$69.50	\$62.97	\$62.97	\$68.02	\$68.02	\$58.48	\$79.51	\$55.55	\$55.55	\$72.40	\$41.72	\$63.68
Fung. & Seed Trt.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.24	\$0.00	\$0.00	\$0.00	\$0.00	\$2.85	\$0.26
Herbicides	\$27.48	\$27.48	\$50.57	\$50.57	\$16.66	\$16.66	\$19.63	\$19.63	\$4.76	\$4.76	\$19.63	\$19.63	\$23.12
Insecticides	\$8.30	\$8.30	\$8.30	\$8.30	\$8.30	\$8.30	\$0.00	\$8.30	\$9.85	\$9.85	\$9.85	\$0.00	\$7.30
Operator Labor	\$4.26	\$4.26	\$4.84	\$4.84	\$3.28	\$3.28	\$9.19	\$5.24	\$5.34	\$5.34	\$3.76	\$4.37	\$4.83
Irrigation Labor	\$0.28	\$0.28	\$1.92	\$1.92	\$1.92	\$1.92	\$0.00	\$1.82	\$1.92	\$1.92	\$0.24	\$0.00	\$1.18
Diesel Fuel	\$12.79	\$12.79	\$14.15	\$14.15	\$12.55	\$12.55	\$8.43	\$17.05	\$15.65	\$15.65	\$11.17	\$3.72	\$12.55
Repair & Maint. Interest on Op.	\$12.52	\$12.52	\$11.27	\$11.27	\$13.84	\$13.84	\$13.73	\$12.39	\$12.75	\$12.75	\$11.18	\$12.95	\$12.58
Cap.	\$10.35	\$10.24	\$11.60	\$11.51	\$9.99	\$9.99	\$8.10	\$10.09	\$8.82	\$8.74	\$9.57	\$6.23	\$9.60
Total Direct Expense	\$263.37	\$258.14	\$287.03	\$283.74	\$251.42	\$251.42	\$196.20	\$263.38	\$227.90	\$224.94	\$236.53	\$170.40	\$242.87
Total Fixed Expense	\$74.18	\$74.18	\$41.85	\$41.85	\$47.52	\$47.52	\$36.06	\$58.98	\$45.07	\$45.07	\$72.70	\$34.98	\$51.66
Total Specified Expense	\$337.56	\$332.33	\$328.88	\$325.59	\$298.95	\$298.95	\$232.27	\$322.37	\$272.97	\$270.01	\$309.23	\$205.38	\$294.54