

Crop Enterprise Analysis
North Dakota Farm Business Management Education Program
State Report, 2006
(Farms Sorted By Net Return)

Corn Silage on Owned Land

	<u>Avg. Of</u> <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of fields	43	10	9	8
Number of farms	40	8	8	8
Acres	52.23	62.48	53.67	34.40
Yield per acre (ton)	7.42	6.01	8.27	13.17
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	17.74	16.69	16.77	19.60
Other product return per acre	2.10	2.02	0.87	-
Total product return per acre	133.66	102.38	139.50	258.07
Miscellaneous income per acre	15.46	7.73	9.83	19.39
Gross return per acre	149.12	110.11	149.33	277.46
Direct Expenses				
Seed	31.21	36.69	31.93	27.55
Fertilizer	27.30	28.57	29.50	30.16
Crop chemicals	11.26	10.79	11.82	10.44
Crop insurance	5.76	7.38	5.06	6.12
Fuel & oil	17.63	16.24	20.17	23.38
Repairs	18.63	24.33	21.63	20.35
Custom hire	6.19	5.56	3.50	6.59
Operating interest	5.48	6.18	5.86	4.81
Miscellaneous	0.95	0.77	0.71	0.19
Total direct expenses per acre	124.42	136.49	130.17	129.59
Return over direct exp per acre	24.71	-26.38	19.16	147.87
Overhead Expenses				
Custom hire	0.55	1.06	0.02	1.60
Hired labor	6.60	13.35	5.88	4.06
Machinery leases	0.31	0.41	0.83	0.02
Building leases	0.71	2.49	0.05	-
RE & pers. property taxes	5.40	5.91	5.30	6.56
Farm insurance	2.49	3.23	2.16	2.46
Utilities	1.89	2.39	1.11	1.44
Dues & professional fees	0.33	0.65	0.24	0.24
Interest	15.33	20.97	12.68	18.37
Mach & bldg depreciation	13.91	11.41	13.35	16.15
Miscellaneous	2.50	3.07	2.05	2.63
Total overhead expenses per acre	50.02	64.94	43.68	53.52
Total dir & ovhd expenses per acre	174.44	201.43	173.85	183.11
Net return per acre	-25.32	-91.32	-24.52	94.35
Government payments	11.23	11.96	10.58	12.69
Net return with govt pmts	-14.09	-79.35	-13.94	107.05
Labor & management charge	19.82	19.81	19.71	26.02
Net return over lbr & mgt	-33.90	-99.17	-33.65	81.03
Cost of Production				
Total direct expense per ton	16.77	22.70	15.74	9.84
Total dir & ovhd exp per ton	23.52	33.50	21.03	13.90
Less govt & other income	19.63	29.89	18.45	11.47
With labor & management	22.31	33.19	20.84	13.44
Machinery cost per acre	60.05	63.30	60.05	71.86
Est. labor hours per acre	2.33	2.41	2.30	2.62