

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

Corn Silage on Cash Rent

	<u>Avg. Of All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of fields	45	9	8	7
Number of farms	31	6	6	7
Acres	55.63	50.28	63.15	35.07
Yield per acre (ton)	4.98	4.38	4.68	12.09
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	18.76	17.13	20.43	19.18
Other product return per acre	1.71	-	7.66	-
Total product return per acre	95.08	75.01	103.31	231.79
Miscellaneous income per acre	25.99	4.41	36.80	15.21
Gross return per acre	121.07	79.42	140.10	247.01
Direct Expenses				
Seed	29.50	33.23	33.16	32.34
Fertilizer	28.64	38.92	30.06	21.35
Crop chemicals	11.49	15.64	9.22	9.04
Crop insurance	5.50	7.11	6.71	6.77
Fuel & oil	15.18	15.81	17.21	17.79
Repairs	15.33	14.01	24.02	12.93
Custom hire	9.36	26.33	11.78	4.56
Land rent	25.63	32.15	23.78	37.53
Operating interest	6.83	10.53	6.02	6.36
Miscellaneous	0.81	0.66	-	4.17
Total direct expenses per acre	148.27	194.39	161.96	152.84
Return over direct exp per acre	-27.19	-114.97	-21.86	94.17
Overhead Expenses				
Custom hire	0.14	-	0.01	1.41
Hired labor	4.82	7.27	1.46	4.47
Building leases	0.61	0.32	0.04	-
Farm insurance	1.90	2.10	2.63	1.65
Utilities	1.22	1.38	1.47	0.76
Dues & professional fees	0.29	0.41	0.17	0.53
Interest	3.70	3.72	3.80	2.49
Mach & bldg depreciation	14.31	20.68	10.20	13.20
Miscellaneous	2.40	1.64	1.79	2.26
Total overhead expenses per acre	29.38	37.51	21.58	26.76
Total dir & ovhd expenses per acre	177.65	231.90	183.54	179.60
Net return per acre	-56.57	-152.49	-43.44	67.40
Government payments	9.29	10.70	6.21	12.46
Net return with govt pmts	-47.28	-141.78	-37.22	79.86
Labor & management charge	20.13	23.58	20.59	23.77
Net return over lbr & mgt	-67.41	-165.36	-57.81	56.09
Cost of Production				
Total direct expense per ton	29.79	44.39	34.60	12.64
Total dir & ovhd exp per ton	35.69	52.95	39.21	14.86
Less govt & other income	28.26	49.50	28.39	12.57
With labor & management	32.30	54.89	32.78	14.54
Machinery cost per acre	57.07	79.53	67.13	50.48
Est. labor hours per acre	2.05	2.39	2.26	2.53