

Crop Enterprise Analysis
Farm Business Management - Moorhead
Northland Community & Technical College
(Farms Sorted By Net Return)

Soybeans 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	37	7	7	8
Number of farms	36	7	7	8
Acres	192.10	135.29	148.14	109.70
Yield per acre (bu.)	30.67	27.65	34.51	30.46
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	9.26	9.21	8.98	9.80
Total product return per acre	284.13	254.64	310.07	298.43
Hedging gains/losses per acre	1.31	-	9.30	-
Crop insurance per acre	55.30	51.74	31.44	77.64
Other crop income per acre	0.40	-	-	-
Gross return per acre	341.14	306.39	350.82	376.07
Direct Expenses				
Seed	40.08	44.29	41.31	36.17
Fertilizer	7.19	8.96	3.09	2.24
Crop chemicals	26.73	32.54	20.33	23.71
Crop insurance	23.28	26.89	20.46	24.11
Drying expense	0.93	4.17	0.44	-
Fuel & oil	18.04	22.24	15.60	11.46
Repairs	17.75	24.74	20.10	19.02
Custom hire	1.51	1.59	0.75	-
Machinery leases	0.23	-	-	1.84
Operating interest	6.21	5.60	5.10	4.71
Miscellaneous	0.18	-	-	-
Total direct expenses per acre	142.14	171.02	127.18	123.26
Return over direct exp per acre	199.01	135.37	223.63	252.81
Overhead Expenses				
Custom hire	1.46	1.70	0.62	1.65
Hired labor	7.01	7.58	11.27	3.58
Machinery leases	0.54	1.09	1.30	1.32
Building leases	0.20	0.68	-	-
RE & pers. property taxes	13.96	12.75	15.78	10.32
Farm insurance	5.34	6.41	7.08	2.83
Utilities	3.06	3.59	4.36	1.69
Dues & professional fees	2.43	3.27	2.53	2.34
Interest	38.24	32.02	44.06	35.99
Mach & bldg depreciation	14.47	17.52	17.01	13.24
Miscellaneous	3.11	3.37	3.32	2.29
Total overhead expenses per acre	89.80	89.99	107.34	75.23
Total dir & ovhd expenses per acre	231.93	261.02	234.52	198.50
Net return per acre	109.21	45.37	116.30	177.57
Government payments	14.52	16.63	17.53	13.60
Net return with govt pmts	123.73	62.00	133.82	191.18
Labor & management charge	25.47	27.25	22.64	21.21
Net return over lbr & mgt	98.25	34.75	111.19	169.97
Cost of Production				
Total direct expense per bu.	4.63	6.18	3.68	4.05
Total dir & ovhd exp per bu.	7.56	9.44	6.79	6.52
Less govt & other income	5.23	6.97	5.11	3.52
With labor & management	6.06	7.95	5.76	4.22
Net value per unit	9.31	9.21	9.25	9.80
Machinery cost per acre	56.78	73.94	61.29	51.78
Est. labor hours per acre	1.46	2.08	1.88	1.26