

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

Soybeans on Cash Rent

	<u>Avg. Of</u> <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of fields	89	22	18	20
Number of farms	69	13	14	14
Acres	487.57	321.83	435.52	490.67
Yield per acre (bu.)	31.36	29.74	32.37	33.81
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	9.74	9.35	9.24	10.72
Total product return per acre	305.59	278.17	299.02	362.41
Hedging gains/losses per acre	-1.40	-9.19	-	0.65
Crop insurance per acre	53.26	38.12	50.51	64.19
Other crop income per acre	0.21	-	-	-
Gross return per acre	357.66	307.10	349.53	427.24
Direct Expenses				
Seed	41.81	44.74	43.01	39.35
Fertilizer	7.98	7.53	6.58	8.07
Crop chemicals	24.28	25.98	24.34	22.52
Crop insurance	24.38	26.98	24.88	23.49
Drying expense	0.97	1.57	1.88	-
Fuel & oil	18.46	19.34	18.41	18.42
Repairs	19.14	22.15	19.38	20.38
Custom hire	1.53	2.20	4.25	1.01
Hired labor	0.13	-	0.73	-
Land rent	80.00	85.88	72.79	79.52
Machinery leases	0.53	-	-	0.52
Operating interest	5.93	4.01	6.53	7.16
Miscellaneous	0.15	0.52	-	0.05
Total direct expenses per acre	225.30	240.91	222.79	220.49
Return over direct exp per acre	132.36	66.19	126.74	206.75
Overhead Expenses				
Custom hire	1.90	1.01	0.91	3.03
Hired labor	7.66	8.31	8.07	3.35
Machinery leases	2.27	1.49	0.40	4.45
Building leases	0.44	0.96	0.07	0.02
Farm insurance	4.60	6.25	4.27	3.82
Utilities	3.16	3.71	3.99	2.45
Dues & professional fees	3.41	2.23	4.20	3.11
Interest	3.89	3.97	3.32	3.77
Mach & bldg depreciation	14.03	11.87	16.34	16.17
Miscellaneous	3.59	5.43	2.87	2.13
Total overhead expenses per acre	44.97	45.23	44.44	42.30
Total dir & ovhd expenses per acre	270.27	286.14	267.23	262.79
Net return per acre	87.39	20.96	82.30	164.45
Government payments	14.40	14.13	13.78	15.31
Net return with govt pmnts	101.80	35.09	96.08	179.76
Labor & management charge	21.58	23.46	23.05	22.49
Net return over lbr & mgt	80.22	11.63	73.03	157.27
Cost of Production				
Total direct expense per bu.	7.18	8.10	6.88	6.52
Total dir & ovhd exp per bu.	8.62	9.62	8.26	7.77
Less govt & other income	6.50	8.17	6.27	5.40
With labor & management	7.19	8.96	6.98	6.07
Net value per unit	9.70	9.04	9.24	10.74
Machinery cost per acre	60.54	60.72	60.43	66.76
Est. labor hours per acre	1.17	1.38	1.23	0.95