

**Crop Enterprise Analysis**  
**2022 Moorhead Farm Business Management Annual Report**  
**(Farms Sorted By Return to Overhead)**

**Corn 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 farms	28	5	5	6
Acres	248.15	446.58	273.73	208.00
Yield per acre (bu.)	176.59	166.54	179.41	198.50
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	6.22	6.21	6.17	6.46
Total product return per acre	1,098.06	1,034.13	1,106.39	1,282.45
Hedging gains/losses per acre	-16.94	-	-21.66	-66.98
Other crop income per acre	5.25	2.68	4.57	5.57
Gross return per acre	1,086.37	1,036.81	1,089.30	1,221.04
<b>Direct Expenses</b>				
Seed and plants	95.91	96.23	100.80	84.86
Fertilizer	210.16	228.12	212.58	180.02
Crop chemicals	39.49	59.44	27.25	26.78
Crop insurance	25.87	29.85	24.62	23.60
Drying expense	5.32	1.13	4.79	10.56
Storage	0.40	0.73	0.26	-
Fuel & oil	38.89	42.63	31.85	44.43
Repairs	74.56	77.35	72.59	85.24
Custom hire	3.90	4.94	1.82	4.53
Hired labor	1.50	-	-	6.71
Machinery leases	1.16	1.33	-	-
Hauling and trucking	1.82	0.13	7.64	0.17
Marketing	1.13	0.52	3.14	0.78
Operating interest	10.70	13.68	11.30	5.17
Miscellaneous	4.61	2.15	3.63	10.87
Total direct expenses per acre	515.44	558.23	502.26	483.73
Return over direct exp per acre	570.93	478.58	587.04	737.31
<b>Overhead Expenses</b>				
Hired labor	30.91	32.48	28.89	51.88
Machinery leases	3.08	3.97	-	1.43
RE & pers. property taxes	29.20	28.46	27.58	38.37
Farm insurance	9.67	8.96	11.32	8.85
Utilities	5.48	3.98	9.28	5.06
Dues & professional fees	4.64	2.80	3.37	5.45
Interest	89.63	141.46	74.87	35.51
Mach & bldg depreciation	47.36	49.84	22.76	57.07
Miscellaneous	5.98	5.47	6.20	4.85
Total overhead expenses per acre	225.95	277.42	184.26	208.46
Total dir & ovhd expenses per acre	741.40	835.65	686.52	692.19
Net return per acre	344.97	201.16	402.78	528.85
Government payments	0.02	-	-	0.04
Net return with govt pmts	344.99	201.16	402.78	528.89
Labor & management charge	70.02	67.10	85.32	47.57
Net return over lbr & mgt	274.97	134.06	317.46	481.31
<b>Cost of Production</b>				
Total direct expense per bu.	2.92	3.35	2.80	2.44
Total dir & ovhd exp per bu.	4.20	5.02	3.83	3.49
Less govt & other income	4.26	5.00	3.92	3.80
With labor & management	4.66	5.40	4.40	4.04
Net value per unit	6.12	6.21	6.05	6.12
Machinery cost per acre	164.72	181.71	127.00	180.30
Est. labor hours per acre	2.33	1.98	2.16	2.69

**Crop Enterprise Analysis**  
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**(Farms Sorted By Return to Overhead)**

**Corn 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 farms	49	9	10	10
Acres	459.59	621.61	330.11	326.23
Yield per acre (bu.)	175.58	155.45	183.10	192.69
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	6.11	5.85	6.23	6.40
Total product return per acre	1,073.69	910.11	1,140.08	1,233.30
Hedging gains/losses per acre	-14.71	-22.56	-38.14	-
Crop insurance per acre	0.51	-	-	2.05
Other crop income per acre	4.43	5.31	3.63	4.18
Gross return per acre	1,063.91	892.87	1,105.57	1,239.53
<b>Direct Expenses</b>				
Seed and plants	95.68	93.73	91.00	97.34
Fertilizer	205.23	212.70	193.77	197.72
Crop chemicals	37.82	36.05	28.72	37.93
Crop insurance	27.47	29.25	23.61	26.35
Drying expense	7.19	6.83	12.83	9.04
Storage	0.68	-	0.41	1.00
Fuel & oil	41.93	50.29	45.97	40.82
Repairs	66.73	61.47	85.02	48.86
Custom hire	8.02	7.97	4.92	4.24
Hired labor	1.51	1.85	3.82	0.62
Land rent	153.99	159.87	160.89	133.94
Machinery leases	1.53	0.56	0.25	-
Hauling and trucking	1.34	-	-	0.32
Marketing	0.78	0.39	1.10	1.36
Operating interest	10.34	9.91	9.72	6.09
Miscellaneous	4.25	3.38	6.54	3.17
Total direct expenses per acre	664.48	674.24	668.57	608.80
Return over direct exp per acre	399.43	218.63	437.00	630.72
<b>Overhead Expenses</b>				
Hired labor	25.72	20.78	36.25	9.02
Machinery leases	3.50	5.40	1.47	12.38
Building leases	1.39	2.64	-	2.98
Farm insurance	8.80	9.66	10.70	5.59
Utilities	4.85	4.13	7.88	3.90
Dues & professional fees	3.68	3.46	5.02	3.39
Interest	6.30	11.64	1.78	3.59
Mach & bldg depreciation	46.55	56.92	53.14	33.47
Miscellaneous	3.74	3.96	5.36	3.07
Total overhead expenses per acre	104.53	118.60	121.62	77.38
Total dir & ovhd expenses per acre	769.01	792.84	790.18	686.18
Net return per acre	294.90	100.02	315.39	553.34
Government payments	0.01	0.01	-	-
Net return with govt pmts	294.91	100.04	315.39	553.34
Labor & management charge	72.65	65.24	52.28	85.35
Net return over lbr & mgt	222.26	34.80	263.10	467.99
<b>Cost of Production</b>				
Total direct expense per bu.	3.78	4.34	3.65	3.16
Total dir & ovhd exp per bu.	4.38	5.10	4.32	3.56
Less govt & other income	4.44	5.21	4.50	3.53
With labor & management	4.85	5.63	4.79	3.97
Net value per unit	6.03	5.71	6.02	6.40
Machinery cost per acre	168.40	188.45	181.40	139.17
Est. labor hours per acre	2.37	2.00	2.42	2.38

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**(Farms Sorted By Return to Overhead)**

**Hay, Alfalfa on Cash Rent**

	<u>Avg. Of All Farms</u>
Number of farms	7
Acres	144.29
Yield per acre (ton)	3.37
Operators share of yield %	100.00
Value per ton	137.81
Total product return per acre	464.89
Other crop income per acre	2.01
Gross return per acre	466.90
<b>Direct Expenses</b>	
Fertilizer	43.00
Crop insurance	1.99
Packaging and supplies	3.85
Fuel & oil	38.89
Repairs	62.02
Custom hire	0.95
Land rent	157.88
Machinery leases	3.30
Hauling and trucking	0.74
Operating interest	10.13
Miscellaneous	0.29
Total direct expenses per acre	323.04
Return over direct exp per acre	143.86
<b>Overhead Expenses</b>	
Hired labor	18.68
Machinery leases	5.76
Building leases	0.72
Farm insurance	8.97
Utilities	3.51
Dues & professional fees	3.85
Interest	12.15
Mach & bldg depreciation	35.18
Miscellaneous	1.31
Total overhead expenses per acre	90.15
Total dir & ovhd expenses per acre	413.19
Net return per acre	53.71
Government payments	-
Net return with govt pmts	53.71
Labor & management charge	60.99
Net return over lbr & mgt	-7.28
<b>Cost of Production</b>	
Total direct expense per ton	95.76
Total dir & ovhd exp per ton	122.49
Less govt & other income	121.89
With labor & management	139.97
Net value per unit	137.81
Machinery cost per acre	156.42
Est. labor hours per acre	2.25

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**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 farms	30	6	6	6
Acres	228.04	106.22	241.46	226.78
Yield per acre (bu.)	44.64	38.22	40.81	51.20
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	13.99	13.93	14.09	14.00
Total product return per acre	624.33	532.26	575.03	716.64
Hedging gains/losses per acre	-1.25	-	-	-
Crop insurance per acre	1.86	-	1.67	0.93
Other crop income per acre	7.96	5.35	12.01	4.33
Gross return per acre	632.89	537.61	588.71	721.90
<b>Direct Expenses</b>				
Seed and plants	63.49	67.46	66.77	66.92
Fertilizer	15.19	32.68	10.06	9.26
Crop chemicals	45.96	42.62	52.52	42.91
Crop insurance	23.64	22.20	24.05	23.18
Fuel & oil	21.70	21.37	20.35	19.60
Repairs	34.20	35.80	18.79	36.91
Custom hire	2.69	4.80	8.09	0.78
Marketing	0.38	-	0.08	0.62
Operating interest	4.62	4.94	4.88	8.40
Miscellaneous	3.60	4.24	3.23	1.15
Total direct expenses per acre	215.46	236.11	208.83	209.72
Return over direct exp per acre	417.43	301.51	379.89	512.18
<b>Overhead Expenses</b>				
Hired labor	12.42	16.76	8.06	17.87
Machinery leases	0.72	0.02	0.00	2.10
RE & pers. property taxes	29.12	23.41	21.71	41.33
Farm insurance	8.13	8.19	6.37	6.12
Utilities	3.78	5.63	2.07	2.74
Dues & professional fees	3.82	3.65	2.05	3.21
Interest	53.96	83.03	52.56	60.96
Mach & bldg depreciation	30.82	27.41	21.29	21.02
Miscellaneous	4.23	3.35	2.38	1.23
Total overhead expenses per acre	147.00	171.44	116.50	156.57
Total dir & ovhd expenses per acre	362.46	407.55	325.32	366.29
Net return per acre	270.43	130.06	263.39	355.61
Government payments	0.03	0.08	-	0.14
Net return with govt pmts	270.47	130.14	263.39	355.75
Labor & management charge	44.12	42.53	50.34	38.72
Net return over lbr & mgt	226.35	87.61	213.05	317.03
<b>Cost of Production</b>				
Total direct expense per bu.	4.83	6.18	5.12	4.10
Total dir & ovhd exp per bu.	8.12	10.66	7.97	7.15
Less govt & other income	7.93	10.52	7.64	7.05
With labor & management	8.92	11.63	8.87	7.81
Net value per unit	13.96	13.93	14.09	14.00
Machinery cost per acre	88.26	87.70	67.66	83.81
Est. labor hours per acre	1.42	1.74	1.24	1.26

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**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 farms	61	12	12	13
Acres	704.68	905.39	572.22	460.04
Yield per acre (bu.)	44.17	39.99	45.90	51.63
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	13.96	13.82	14.06	14.32
Total product return per acre	616.75	552.57	645.48	739.34
Hedging gains/losses per acre	-1.50	-5.95	-	-
Crop insurance per acre	4.51	3.63	0.38	-
Other crop income per acre	4.64	1.91	7.23	3.66
Gross return per acre	624.40	552.16	653.08	743.00
<b>Direct Expenses</b>				
Seed and plants	62.61	67.54	63.67	58.30
Fertilizer	16.43	18.01	8.79	16.05
Crop chemicals	48.12	52.62	40.09	50.20
Crop insurance	24.80	24.92	21.77	27.92
Storage	0.35	0.00	0.55	1.28
Fuel & oil	22.42	25.10	20.74	20.07
Repairs	35.70	49.57	34.60	34.00
Custom hire	5.53	4.24	9.36	7.39
Hired labor	0.18	0.68	-	0.08
Land rent	147.67	151.88	152.81	136.45
Machinery leases	0.79	0.21	3.07	1.11
Hauling and trucking	0.11	-	-	0.52
Marketing	0.61	0.43	0.48	0.35
Operating interest	5.87	6.44	7.56	4.37
Miscellaneous	3.12	4.14	3.73	1.40
Total direct expenses per acre	374.33	405.79	367.23	359.49
Return over direct exp per acre	250.07	146.37	285.85	383.50
<b>Overhead Expenses</b>				
Hired labor	12.82	18.58	9.22	7.16
Machinery leases	2.33	3.46	2.24	3.34
Building leases	0.63	0.50	0.70	-
Farm insurance	6.53	6.98	7.70	4.11
Utilities	2.65	2.90	2.66	1.28
Dues & professional fees	3.05	2.77	4.01	2.47
Interest	3.68	3.16	2.93	2.56
Mach & bldg depreciation	24.37	29.55	21.36	21.47
Miscellaneous	2.20	3.38	1.74	2.39
Total overhead expenses per acre	58.26	71.28	52.56	44.78
Total dir & ovhd expenses per acre	432.59	477.06	419.79	404.27
Net return per acre	191.81	75.09	233.29	338.73
Government payments	0.06	0.04	-	0.05
Net return with govt pmts	191.87	75.13	233.29	338.78
Labor & management charge	41.19	37.20	40.97	43.55
Net return over lbr & mgt	150.68	37.93	192.33	295.22
<b>Cost of Production</b>				
Total direct expense per bu.	8.47	10.15	8.00	6.96
Total dir & ovhd exp per bu.	9.79	11.93	9.15	7.83
Less govt & other income	9.62	11.94	8.98	7.76
With labor & management	10.55	12.87	9.87	8.60
Net value per unit	13.93	13.67	14.06	14.32
Machinery cost per acre	91.92	111.40	90.87	86.88
Est. labor hours per acre	1.27	1.34	1.00	1.26

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**Soybeans Seed on Owned Land**

	<u>Avg. Of All Farms</u>
Number of farms	7
Acres	147.09
Yield per acre (bu.)	44.67
Operators share of yield %	100.00
Value per bu.	15.33
Total product return per acre	684.81
Other crop income per acre	2.81
Gross return per acre	687.62
<b>Direct Expenses</b>	
Seed and plants	58.90
Fertilizer	20.45
Crop chemicals	46.99
Crop insurance	19.20
Storage	3.18
Fuel & oil	23.46
Repairs	44.54
Custom hire	1.48
Machinery leases	6.44
Marketing	2.06
Operating interest	2.01
Miscellaneous	0.20
Total direct expenses per acre	228.91
Return over direct exp per acre	458.71
<b>Overhead Expenses</b>	
Hired labor	11.80
Machinery leases	8.26
Building leases	0.51
RE & pers. property taxes	25.22
Farm insurance	12.47
Utilities	3.95
Dues & professional fees	5.74
Interest	79.38
Mach & bldg depreciation	29.34
Miscellaneous	7.06
Total overhead expenses per acre	183.72
Total dir & ovhd expenses per acre	412.62
Net return per acre	275.00
Government payments	-
Net return with govt pmts	275.00
Labor & management charge	47.71
Net return over lbr & mgt	227.28
<b>Cost of Production</b>	
Total direct expense per bu.	5.12
Total dir & ovhd exp per bu.	9.24
Less govt & other income	9.17
With labor & management	10.24
Net value per unit	15.33
Machinery cost per acre	117.25
Est. labor hours per acre	1.38

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**Soybeans Seed on Cash Rent**

	<u>Avg. Of All Farms</u>
Number of farms	11
Acres	463.61
Yield per acre (bu.)	47.36
Operators share of yield %	100.00
Value per bu.	15.14
Total product return per acre	717.21
Crop insurance per acre	0.42
Other crop income per acre	2.09
Gross return per acre	719.72
<b>Direct Expenses</b>	
Seed and plants	64.74
Fertilizer	29.90
Crop chemicals	48.96
Crop insurance	21.59
Storage	2.93
Fuel & oil	22.76
Repairs	38.40
Custom hire	1.66
Land rent	155.49
Machinery leases	4.61
Marketing	0.25
Operating interest	2.55
Miscellaneous	1.64
Total direct expenses per acre	395.47
Return over direct exp per acre	324.25
<b>Overhead Expenses</b>	
Hired labor	18.05
Machinery leases	1.82
Building leases	0.52
Farm insurance	9.54
Utilities	3.89
Dues & professional fees	4.42
Interest	5.33
Mach & bldg depreciation	23.55
Miscellaneous	1.80
Total overhead expenses per acre	68.91
Total dir & ovhd expenses per acre	464.38
Net return per acre	255.34
Government payments	0.01
Net return with govt pmts	255.35
Labor & management charge	41.83
Net return over lbr & mgt	213.51
<b>Cost of Production</b>	
Total direct expense per bu.	8.35
Total dir & ovhd exp per bu.	9.81
Less govt & other income	9.75
With labor & management	10.64
Net value per unit	15.14
Machinery cost per acre	96.40
Est. labor hours per acre	1.52

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**Wheat, Spring 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 farms	25	5	5	5
Acres	221.43	129.37	249.63	295.64
Yield per acre (bu.)	69.72	56.78	69.94	78.73
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	8.94	8.94	8.84	8.95
Total product return per acre	623.39	507.77	618.58	704.72
Crop insurance per acre	0.21	-	-	0.80
Other crop income per acre	11.57	2.66	22.99	11.56
Gross return per acre	635.18	510.43	641.57	717.08
<b>Direct Expenses</b>				
Seed and plants	31.55	32.17	32.10	32.66
Fertilizer	164.58	154.27	170.15	153.06
Crop chemicals	43.87	33.60	53.46	46.95
Crop insurance	21.09	19.59	17.97	23.58
Drying expense	0.64	-	-	1.88
Storage	0.33	0.76	1.00	-
Fuel & oil	19.02	26.30	21.53	16.56
Repairs	33.71	55.75	27.53	26.88
Custom hire	6.14	0.79	5.14	9.92
Machinery leases	0.58	2.75	0.14	-
Marketing	0.57	0.99	0.68	0.33
Operating interest	5.25	6.05	3.70	3.63
Miscellaneous	4.20	3.38	9.86	1.79
Total direct expenses per acre	331.55	336.41	343.26	317.24
Return over direct exp per acre	303.63	174.03	298.31	399.84
<b>Overhead Expenses</b>				
Hired labor	11.58	7.29	13.90	7.69
Machinery leases	2.11	3.14	-	1.81
Building leases	0.43	0.72	0.71	0.55
RE & pers. property taxes	28.05	32.31	23.42	25.05
Farm insurance	8.47	9.94	9.38	8.14
Utilities	3.02	7.21	2.68	3.17
Dues & professional fees	3.68	3.73	2.06	5.09
Interest	79.90	100.63	83.57	58.97
Mach & bldg depreciation	26.70	32.07	27.76	33.99
Miscellaneous	3.20	12.38	1.81	2.15
Total overhead expenses per acre	167.15	209.43	165.28	146.61
Total dir & ovhd expenses per acre	498.70	545.84	508.54	463.85
Net return per acre	136.49	-35.41	133.03	253.22
Government payments	0.04	-	-	-
Net return with govt pmts	136.53	-35.41	133.03	253.22
Labor & management charge	40.56	55.48	39.72	35.07
Net return over lbr & mgt	95.97	-90.88	93.31	218.15
<b>Cost of Production</b>				
Total direct expense per bu.	4.76	5.92	4.91	4.03
Total dir & ovhd exp per bu.	7.15	9.61	7.27	5.89
Less govt & other income	6.98	9.57	6.94	5.73
With labor & management	7.57	10.54	7.51	6.18
Net value per unit	8.94	8.94	8.84	8.95
Machinery cost per acre	88.37	121.96	82.65	87.47
Est. labor hours per acre	1.29	1.34	1.22	1.37



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**Wheat, Spring 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 farms	50	10	10	10
Acres	503.78	378.15	399.34	440.84
Yield per acre (bu.)	70.30	69.06	66.95	78.36
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	9.13	8.98	9.23	9.11
Total product return per acre	641.58	620.05	618.25	714.16
Hedging gains/losses per acre	-0.80	-12.85	-	2.50
Crop insurance per acre	0.95	-	-	-
Other crop income per acre	7.55	2.30	15.38	4.62
Gross return per acre	649.28	609.50	633.63	721.28
<b>Direct Expenses</b>				
Seed and plants	30.91	30.55	33.96	26.10
Fertilizer	166.93	177.44	168.59	136.54
Crop chemicals	41.87	43.09	39.52	36.15
Crop insurance	20.99	24.95	23.14	19.58
Drying expense	0.74	2.14	0.05	1.13
Storage	0.74	-	1.87	0.84
Fuel & oil	22.86	30.18	15.93	23.05
Repairs	34.74	47.90	40.28	32.93
Custom hire	6.74	10.01	7.58	2.50
Land rent	144.10	155.54	142.20	128.53
Machinery leases	1.21	-	0.98	0.17
Hauling and trucking	0.25	-	1.52	0.04
Marketing	0.68	0.06	0.34	2.24
Operating interest	5.34	7.06	6.65	4.97
Miscellaneous	4.62	5.17	1.59	2.51
Total direct expenses per acre	482.73	534.09	484.20	417.28
Return over direct exp per acre	166.54	75.42	149.43	304.00
<b>Overhead Expenses</b>				
Hired labor	12.19	15.25	10.80	8.81
Machinery leases	3.23	2.30	4.64	5.25
Building leases	0.56	0.40	0.39	0.90
Farm insurance	8.40	8.87	7.85	6.78
Utilities	3.03	3.47	2.60	2.50
Dues & professional fees	3.11	4.36	2.83	3.72
Interest	3.92	3.89	5.17	4.84
Mach & bldg depreciation	25.44	25.80	14.43	30.36
Miscellaneous	2.04	3.96	1.73	1.20
Total overhead expenses per acre	61.92	68.30	50.43	64.36
Total dir & ovhd expenses per acre	544.65	602.39	534.63	481.64
Net return per acre	104.62	7.11	99.00	239.64
Government payments	0.03	0.01	0.10	-
Net return with govt pmts	104.66	7.12	99.10	239.64
Labor & management charge	41.98	43.90	44.27	42.49
Net return over lbr & mgt	62.68	-36.78	54.83	197.15
<b>Cost of Production</b>				
Total direct expense per bu.	6.87	7.73	7.23	5.33
Total dir & ovhd exp per bu.	7.75	8.72	7.99	6.15
Less govt & other income	7.64	8.88	7.75	6.06
With labor & management	8.23	9.51	8.42	6.60
Net value per unit	9.12	8.79	9.23	9.15
Machinery cost per acre	95.10	116.83	87.03	96.01
Est. labor hours per acre	1.33	1.50	1.45	1.33

**Crop Enterprise Analysis**  
**2022 Moorhead Farm Business Management Annual Report**  
**Sugarbeets - Excluding Joint Ventures**  
**(Farms Sorted By Return to Overhead)**

**Sugar Beets on Owned Land**

	<u>Avg. Of All Farms</u>
Number of farms	12
Acres	87.80
Yield per acre (ton)	26.62
Operators share of yield %	100.00
Value per ton	67.69
Total product return per acre	1,801.92
Other crop income per acre	5.92
Gross return per acre	1,807.84
<b>Direct Expenses</b>	
Seed and plants	243.99
Fertilizer	135.61
Crop chemicals	150.83
Crop insurance	44.42
Fuel & oil	82.75
Repairs	142.25
Custom hire	14.69
Hired labor	22.16
Hauling and trucking	25.28
Operating interest	18.23
Miscellaneous	11.19
Total direct expenses per acre	891.40
Return over direct exp per acre	916.44
<b>Overhead Expenses</b>	
Hired labor	58.64
Machinery leases	10.99
Building leases	8.25
RE & pers. property taxes	28.87
Farm insurance	20.19
Utilities	11.15
Dues & professional fees	7.66
Interest	70.28
Mach & bldg depreciation	105.77
Miscellaneous	7.05
Total overhead expenses per acre	328.87
Total dir & ovhd expenses per acre	1,220.26
Net return per acre	587.58
Government payments	0.01
Net return with govt pmts	587.59
Labor & management charge	163.99
Net return over lbr & mgt	423.61
<b>Cost of Production</b>	
Total direct expense per ton	33.48
Total dir & ovhd exp per ton	45.84
Less govt & other income	45.62
With labor & management	51.78
Net value per unit	67.69
Machinery cost per acre	361.31
Est. labor hours per acre	5.75

**Crop Enterprise Analysis**  
**2022 Moorhead Farm Business Management Annual Report**  
**Sugarbeets - Excluding Joint Ventures**  
**(Farms Sorted By Return to Overhead)**

**Sugar Beets 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 farms	27	5	6	6
Acres	227.21	325.30	136.20	84.33
Yield per acre (ton)	26.35	24.38	27.20	30.06
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	67.19	54.71	67.60	75.91
Total product return per acre	1,770.56	1,333.78	1,838.81	2,282.11
Crop insurance per acre	5.65	21.32	-	-
Other crop income per acre	4.94	1.11	15.57	7.25
Gross return per acre	1,781.15	1,356.21	1,854.38	2,289.37
<b>Direct Expenses</b>				
Seed and plants	245.59	251.97	248.24	251.72
Fertilizer	117.79	107.93	123.52	126.39
Crop chemicals	163.77	187.45	122.22	148.11
Crop insurance	46.39	42.59	48.18	34.95
Fuel & oil	82.15	85.21	73.28	71.90
Repairs	135.99	153.06	139.14	85.91
Custom hire	28.65	11.59	19.43	39.91
Hired labor	39.06	23.79	16.17	21.32
Land rent	147.07	143.07	169.40	129.03
Machinery leases	0.50	-	2.06	0.22
Hauling and trucking	50.62	76.74	48.86	85.14
Operating interest	17.13	18.94	28.20	19.40
Miscellaneous	6.07	5.70	12.57	5.19
Total direct expenses per acre	1,080.77	1,108.05	1,051.29	1,019.21
Return over direct exp per acre	700.38	248.16	803.09	1,270.16
<b>Overhead Expenses</b>				
Hired labor	66.30	82.35	64.19	21.39
Machinery leases	6.72	4.13	11.96	12.25
Building leases	1.92	1.81	2.50	-
Farm insurance	25.55	40.57	11.74	10.40
Utilities	11.75	10.28	5.88	13.87
Dues & professional fees	9.12	10.56	7.15	4.21
Interest	13.58	6.93	29.33	24.42
Mach & bldg depreciation	91.23	64.70	62.58	71.11
Miscellaneous	13.22	7.05	6.04	9.62
Total overhead expenses per acre	239.40	228.37	201.37	167.27
Total dir & ovhd expenses per acre	1,320.17	1,336.42	1,252.66	1,186.48
Net return per acre	460.98	19.79	601.72	1,102.89
Government payments	0.00	-	0.02	-
Net return with govt pmts	460.98	19.79	601.73	1,102.89
Labor & management charge	162.35	185.06	134.10	157.88
Net return over lbr & mgt	298.64	-165.27	467.64	945.02
<b>Cost of Production</b>				
Total direct expense per ton	41.01	45.45	38.65	33.90
Total dir & ovhd exp per ton	50.10	54.82	46.05	39.47
Less govt & other income	49.70	53.90	45.48	39.22
With labor & management	55.86	61.49	50.41	44.48
Net value per unit	67.19	54.71	67.60	75.91
Machinery cost per acre	352.70	321.76	333.48	293.29
Est. labor hours per acre	6.50	8.78	4.22	3.92

**Crop Enterprise Analysis**  
**2022 Moorhead Farm Business Management Annual Report**  
**Sugarbeets - Joint Ventures**  
**(Farms Sorted By Return to Overhead)**

**Sugar Beets on Owned Land**

	<u>Avg. Of All Farms</u>
Number of farms	11
Acres	199.81
Yield per acre (ton)	26.71
Operators share of yield %	100.00
Value per ton	72.75
Total product return per acre	1,943.10
Crop insurance per acre	0.87
Other crop income per acre	9.77
Gross return per acre	1,953.73
<b>Direct Expenses</b>	
Seed and plants	241.51
Fertilizer	123.73
Crop chemicals	162.25
Crop insurance	43.44
Fuel & oil	80.48
Repairs	125.36
Custom hire	36.49
Hired labor	25.24
Stock/quota lease	247.41
Hauling and trucking	21.93
Operating interest	28.59
Miscellaneous	6.39
Total direct expenses per acre	1,142.85
Return over direct exp per acre	810.89
<b>Overhead Expenses</b>	
Hired labor	54.50
Machinery leases	6.82
Building leases	2.11
RE & pers. property taxes	29.50
Farm insurance	12.64
Utilities	11.11
Dues & professional fees	5.42
Interest	99.09
Mach & bldg depreciation	113.57
Miscellaneous	8.49
Advertising & promotion	0.23
Total overhead expenses per acre	343.49
Total dir & ovhd expenses per acre	1,486.34
Net return per acre	467.40
Government payments	-
Net return with govt pmts	467.40
Labor & management charge	120.30
Net return over lbr & mgt	347.10
<b>Cost of Production</b>	
Total direct expense per ton	42.79
Total dir & ovhd exp per ton	55.65
Less govt & other income	55.25
With labor & management	59.75
Net value per unit	72.75
Machinery cost per acre	357.81
Est. labor hours per acre	4.48

**Crop Enterprise Analysis**  
**2022 Moorhead Farm Business Management Annual Report**  
**Sugarbeets - Joint Ventures**  
**(Farms Sorted By Return to Overhead)**

**Sugar Beets 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 farms	29	5	6	6
Acres	246.41	214.52	229.28	190.13
Yield per acre (ton)	26.63	24.46	25.19	28.39
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	70.97	65.27	75.62	74.77
Total product return per acre	1,889.87	1,596.38	1,904.75	2,123.15
Crop insurance per acre	4.11	18.92	6.58	-
Other crop income per acre	4.31	5.74	2.63	8.74
Gross return per acre	1,898.28	1,621.04	1,913.95	2,131.90
<b>Direct Expenses</b>				
Seed and plants	245.66	238.11	257.15	253.93
Fertilizer	126.41	137.41	157.43	121.30
Crop chemicals	146.69	139.79	139.39	136.73
Crop insurance	48.62	45.50	51.22	41.03
Fuel & oil	74.22	75.49	83.03	56.04
Repairs	137.12	182.80	126.11	84.04
Custom hire	35.97	29.90	37.07	62.47
Hired labor	21.96	18.51	32.20	25.64
Land rent	149.16	160.43	137.61	141.41
Stock/quota lease	295.25	368.92	290.72	192.13
Machinery leases	1.41	-	-	8.83
Hauling and trucking	40.54	15.09	10.62	57.65
Operating interest	25.58	22.45	19.13	7.71
Miscellaneous	5.79	5.27	7.27	4.27
Total direct expenses per acre	1,354.36	1,439.69	1,348.97	1,193.17
Return over direct exp per acre	543.92	181.35	564.98	938.73
<b>Overhead Expenses</b>				
Hired labor	54.09	92.89	31.94	27.87
Machinery leases	12.09	5.09	5.23	9.71
Building leases	2.71	2.38	4.74	3.36
Farm insurance	10.97	18.60	8.93	8.55
Utilities	9.36	8.98	14.62	7.56
Dues & professional fees	4.91	8.18	7.57	3.55
Interest	14.61	12.32	8.66	20.97
Mach & bldg depreciation	72.46	124.72	68.32	38.58
Miscellaneous	6.45	5.11	6.89	4.35
Advertising & promotion	0.17	-	0.34	0.60
Total overhead expenses per acre	187.83	278.26	157.24	125.11
Total dir & ovhd expenses per acre	1,542.19	1,717.95	1,506.21	1,318.28
Net return per acre	356.09	-96.91	407.74	813.62
Government payments	0.01	0.06	-	-
Net return with govt pmts	356.11	-96.85	407.74	813.62
Labor & management charge	154.04	155.18	161.30	156.69
Net return over lbr & mgt	202.07	-252.03	246.44	656.93
<b>Cost of Production</b>				
Total direct expense per ton	50.86	58.87	53.56	42.02
Total dir & ovhd exp per ton	57.91	70.25	59.80	46.43
Less govt & other income	57.60	69.23	59.44	46.12
With labor & management	63.38	75.58	65.84	51.64
Net value per unit	70.97	65.27	75.62	74.77
Machinery cost per acre	339.80	420.72	319.70	275.37
Est. labor hours per acre	4.94	6.34	4.56	3.91