

Crop Enterprise Analysis
2020 Moorhead Farm Business Management Annual Report
Sugarbeets Excluding Joint Ventue
(Farms Sorted By Return to Overhead)

Sugar Beets on Owned Land

	<u>Avg. Of All Farms</u>
Number of farms	20
Acres	143.09
Yield per acre (ton)	26.64
Operators share of yield %	100.00
Value per ton	42.48
Total product return per acre	1,131.91
Crop insurance per acre	5.24
Other crop income per acre	21.95
Gross return per acre	1,159.10
Direct Expenses	
Seed and plants	230.37
Fertilizer	79.00
Crop chemicals	128.43
Crop insurance	27.57
Fuel & oil	49.50
Repairs	100.92
Custom hire	26.74
Hired labor	22.01
Machinery leases	2.74
Hauling and trucking	16.07
Operating interest	26.07
Miscellaneous	5.48
Total direct expenses per acre	714.91
Return over direct exp per acre	444.20
Overhead Expenses	
Hired labor	64.11
Machinery leases	4.28
Building leases	5.20
RE & pers. property taxes	29.80
Farm insurance	15.05
Utilities	13.13
Dues & professional fees	8.58
Interest	75.42
Mach & bldg depreciation	93.68
Miscellaneous	11.78
Total overhead expenses per acre	321.03
Total dir & ovhd expenses per acre	1,035.93
Net return per acre	123.17
Government payments	21.50
Net return with govt pmts	144.67
Labor & management charge	98.08
Net return over lbr & mgt	46.59
Cost of Production	
Total direct expense per ton	26.83
Total dir & ovhd exp per ton	38.88
Less govt & other income	37.05
With labor & management	40.74
Net value per unit	42.48
Machinery cost per acre	283.35
Est. labor hours per acre	4.77

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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	276.46	556.88	180.68	229.90
Yield per acre (ton)	25.49	23.06	25.82	31.32
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	37.76	30.78	41.34	45.89
Total product return per acre	962.27	709.59	1,067.43	1,437.29
Crop insurance per acre	11.89	3.29	4.36	-
Other crop income per acre	26.56	25.94	27.69	17.64
Gross return per acre	1,000.72	738.82	1,099.48	1,454.93
Direct Expenses				
Seed and plants	225.78	233.29	227.28	221.50
Fertilizer	75.49	73.66	60.87	81.47
Crop chemicals	119.92	108.89	129.34	128.98
Crop insurance	32.01	31.06	38.03	32.25
Fuel & oil	47.55	49.92	61.63	37.33
Repairs	112.08	127.68	159.41	81.76
Custom hire	14.94	8.08	11.31	21.89
Hired labor	33.84	41.67	25.60	40.45
Land rent	145.27	151.30	137.67	146.50
Machinery leases	3.94	1.03	3.06	16.82
Hauling and trucking	33.65	44.30	43.39	30.57
Operating interest	19.14	26.89	15.85	11.17
Miscellaneous	6.73	8.53	6.23	5.51
Total direct expenses per acre	870.34	906.29	919.67	856.21
Return over direct exp per acre	130.38	-167.47	179.81	598.73
Overhead Expenses				
Hired labor	82.31	112.51	79.46	83.57
Machinery leases	9.62	7.18	1.60	0.03
Building leases	1.94	2.61	0.46	3.20
Farm insurance	16.33	17.72	15.86	19.96
Utilities	12.27	10.31	17.65	15.04
Dues & professional fees	7.36	4.97	7.81	11.24
Interest	8.59	5.98	11.34	13.78
Mach & bldg depreciation	73.76	76.09	89.39	96.51
Miscellaneous	10.35	9.88	9.80	20.20
Total overhead expenses per acre	222.53	247.24	233.38	263.53
Total dir & ovhd expenses per acre	1,092.87	1,153.53	1,153.05	1,119.74
Net return per acre	-92.15	-414.71	-53.57	335.19
Government payments	19.86	17.00	24.95	21.29
Net return with govt pmts	-72.29	-397.71	-28.62	356.48
Labor & management charge	109.55	93.90	125.22	154.09
Net return over lbr & mgt	-181.84	-491.61	-153.84	202.40
Cost of Production				
Total direct expense per ton	34.15	39.31	35.62	27.34
Total dir & ovhd exp per ton	42.88	50.03	44.66	35.75
Less govt & other income	40.59	48.03	42.45	34.51
With labor & management	44.89	52.10	47.30	39.43
Net value per unit	37.76	30.78	41.34	45.89
Machinery cost per acre	261.52	264.06	326.53	262.98
Est. labor hours per acre	6.36	7.43	6.04	6.68