

**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<br/>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                         |

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**Sugar Beets on Cash Rent**

|                                    | <u>Avg. Of</u><br><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            |