

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

**Wheat, Spring on Owned Land**

|                                    | <u>Avg. Of<br/>All Farms</u> | <u>Low 20%</u> | <u>40 - 60%</u> | <u>High 20%</u> |
|------------------------------------|------------------------------|----------------|-----------------|-----------------|
| Number of fields                   | 47                           | 9              | 9               | 10              |
| Number of farms                    | 46                           | 9              | 9               | 10              |
| Acres                              | 223.21                       | 165.26         | 279.18          | 215.60          |
| Yield per acre (bu.)               | 47.32                        | 34.43          | 54.56           | 51.57           |
| Operators share of yield %         | 100.00                       | 100.00         | 100.00          | 100.00          |
| Value per bu.                      | 6.22                         | 6.74           | 5.16            | 7.78            |
| Total product return per acre      | 294.07                       | 232.11         | 281.66          | 401.37          |
| Miscellaneous income per acre      | 3.85                         | -4.89          | 3.81            | 0.09            |
| Gross return per acre              | 297.92                       | 227.22         | 285.47          | 401.46          |
| <b>Direct Expenses</b>             |                              |                |                 |                 |
| Seed                               | 15.37                        | 17.98          | 14.42           | 16.03           |
| Fertilizer                         | 51.90                        | 57.68          | 52.57           | 48.91           |
| Crop chemicals                     | 22.53                        | 20.64          | 25.08           | 28.62           |
| Crop insurance                     | 11.65                        | 11.14          | 11.41           | 11.61           |
| Fuel & oil                         | 12.36                        | 14.18          | 11.42           | 13.52           |
| Repairs                            | 15.71                        | 19.81          | 13.14           | 16.49           |
| Custom hire                        | 1.00                         | 2.19           | 1.10            | 0.23            |
| Operating interest                 | 6.68                         | 7.80           | 6.18            | 7.61            |
| Miscellaneous                      | 0.46                         | 0.93           | 0.25            | 0.12            |
| Total direct expenses per acre     | 137.66                       | 152.36         | 135.58          | 143.12          |
| Return over direct exp per acre    | 160.26                       | 74.86          | 149.89          | 258.34          |
| <b>Overhead Expenses</b>           |                              |                |                 |                 |
| Custom hire                        | 1.73                         | 0.17           | 2.68            | 3.21            |
| Hired labor                        | 6.39                         | 5.03           | 4.30            | 6.57            |
| Machinery leases                   | 1.50                         | 3.64           | 2.19            | 1.72            |
| RE & pers. property taxes          | 13.92                        | 17.48          | 14.97           | 11.89           |
| Farm insurance                     | 3.47                         | 3.06           | 3.32            | 4.35            |
| Utilities                          | 2.46                         | 1.47           | 2.12            | 3.60            |
| Dues & professional fees           | 2.23                         | 2.15           | 2.72            | 1.83            |
| Interest                           | 39.95                        | 50.60          | 52.55           | 28.31           |
| Mach & bldg depreciation           | 12.04                        | 11.68          | 10.30           | 14.74           |
| Miscellaneous                      | 4.02                         | 2.01           | 3.03            | 6.44            |
| Total overhead expenses per acre   | 87.70                        | 97.29          | 98.17           | 82.67           |
| Total dir & ovhd expenses per acre | 225.36                       | 249.65         | 233.75          | 225.79          |
| Net return per acre                | 72.56                        | -22.43         | 51.72           | 175.67          |
| Government payments                | 13.48                        | 11.77          | 13.31           | 14.32           |
| Net return with govt pmts          | 86.04                        | -10.66         | 65.03           | 189.99          |
| Labor & management charge          | 18.10                        | 17.42          | 15.31           | 19.50           |
| Net return over lbr & mgt          | 67.94                        | -28.08         | 49.72           | 170.49          |
| <b>Cost of Production</b>          |                              |                |                 |                 |
| Total direct expense per bu.       | 2.91                         | 4.43           | 2.48            | 2.78            |
| Total dir & ovhd exp per bu.       | 4.76                         | 7.25           | 4.28            | 4.38            |
| Less govt & other income           | 4.40                         | 7.05           | 3.97            | 4.10            |
| With labor & management            | 4.78                         | 7.56           | 4.25            | 4.48            |
| Machinery cost per acre            | 47.55                        | 55.88          | 44.99           | 52.03           |
| Est. labor hours per acre          | 1.17                         | 1.22           | 0.92            | 1.15            |