

Table 49. Agronomic Data for Two-rowed Malt Barley at Idaho Falls, Irrigated, 2023.

| Variety or Selection | Yield (Bu/A) | | | Test Wt (lb/bu) | Heading Date | Height (in.) | Lodging (%) | Protein (%) | Plump | | |
|--------------------------------------|--------------|------------|------------|-----------------|--------------|--------------|-------------|-------------|-------------|------------|------------|
| | 2021 | 2022 | 2023* | | | | | | (>6/64) | (>5.5/64) | % Thin |
| Esma | 139 | 159 | 170 | 49.9 | 6/25 | 31 | 34 | 11.8 | 95.7 | 3.0 | 1.5 |
| BC Leandra | 106 | 127 | 169 | 47.5 | 6/28 | 29 | 80 | 11.6 | 92.7 | 5.0 | 3.3 |
| S14230-41513 | --- | --- | 162 | 49.1 | 6/29 | 34 | 23 | 10.9 | 98.0 | 2.0 | 1.0 |
| 16ARS067-13 | --- | --- | 161 | 50.0 | 6/30 | 32 | 48 | 11.3 | 91.4 | 6.3 | 2.7 |
| ABI Eagle | 127 | 120 | 160 | 49.6 | 6/28 | 35 | 41 | 12.4 | 92.0 | 4.7 | 3.2 |
| 2IM18-4142 | --- | --- | 159 | 49.3 | 6/27 | 37 | 2 | 11.3 | 94.0 | 4.4 | 2.0 |
| Moravian 179 | 112 | 143 | 155 | 50.2 | 6/29 | 31 | 8 | 12.4 | 98.8 | 1.5 | 1.0 |
| ABI Raptor | --- | --- | 154 | 48.6 | 6/24 | 36 | 83 | 12.4 | 92.6 | 4.0 | 3.2 |
| 17ARS069-1 | --- | --- | 154 | 51.0 | 6/25 | 40 | 24 | 13.3 | 95.6 | 2.8 | 1.8 |
| 17ARS072-5 | --- | --- | 153 | 48.8 | 6/30 | 35 | 59 | 11.2 | 92.8 | 4.5 | 3.0 |
| 2IM17-2221 | --- | 121 | 151 | 50.3 | 6/27 | 37 | 66 | 12.0 | 94.2 | 3.3 | 2.3 |
| AAC Prairie | --- | --- | 151 | 49.2 | 6/30 | 37 | 38 | 11.9 | 96.1 | 2.6 | 1.8 |
| CDC Copeland | 100 | 116 | 151 | 50.5 | 6/30 | 42 | 71 | 12.2 | 93.8 | 3.8 | 2.6 |
| LCS Diablo | --- | 136 | 150 | 46.0 | 6/30 | 33 | 73 | 11.5 | 92.5 | 5.5 | 2.6 |
| GemCraft | 109 | 128 | 148 | 47.3 | 6/26 | 35 | 91 | 11.5 | 89.4 | 6.5 | 4.2 |
| LCS Genie | 121 | 126 | 148 | 49.7 | 7/3 | 33 | 69 | 11.0 | 93.8 | 4.7 | 2.5 |
| BC Lexy | 117 | 145 | 147 | 47.6 | 6/29 | 32 | 64 | 10.8 | 95.0 | 3.3 | 2.2 |
| LG8016-1320A | --- | --- | 145 | 46.3 | 7/2 | 32 | 43 | 10.5 | 94.6 | 4.1 | 2.3 |
| Conrad | 115 | 112 | 145 | 49.8 | 6/28 | 36 | 88 | 13.5 | 91.0 | 5.1 | 4.0 |
| LCS Odyssey | 132 | 131 | 144 | 48.1 | 6/29 | 31 | 68 | 11.8 | 94.7 | 4.5 | 1.8 |
| Merit 57 | 109 | 99 | 144 | 48.9 | 6/29 | 37 | 56 | 11.9 | 90.1 | 6.5 | 4.5 |
| Moravian 69 | 98 | 129 | 143 | 49.1 | 7/2 | 32 | 47 | 11.1 | 93.2 | 5.8 | 2.1 |
| ABI Voyager | 126 | 128 | 143 | 50.6 | 6/24 | 37 | 30 | 12.0 | 97.3 | 1.3 | 1.7 |
| AC Metcalfe | 106 | 113 | 138 | 50.6 | 6/24 | 39 | 73 | 13.1 | 94.6 | 3.7 | 2.3 |
| Average | 118 | 128 | 152 | 49.1 | 6/28 | 34 | 51 | 11.8 | 93.9 | 4.1 | 2.5 |
| LSD ($\alpha=.05$) | 28 | 15 | 17 | 1 | 2 | 3 | 43 | --- | --- | --- | --- |
| CV (%) | 15.7 | 8.3 | 8.1 | 1.7 | 0.7 | 6.5 | 59.5 | --- | --- | --- | --- |

* Varieties or selections in bold are not statistically different from the top yielding variety.

***All plots had full stand.