

Table 59. Agronomic Data for Spring Feed and Food Barley at Tetonia, Irrigated, 2023.

| Variety or Selection | Yield (Bu/A) | | | Test Wt. (lb/bu) | Spring Stand (%) | Heading Date | Height (in.) | Lodging (%) | Protein (%) | Plump | | |
|--------------------------------------|--------------|------------|-------------|---------------------|---------------------|-----------------|-----------------|----------------|----------------|-------------|------------|------------|
| | 2021* | 2022 | 2023** | | | | | | | (> 6/64) | (5.5/64) | % Thin |
| 2-Row Spring Feed Barley | | | | | | | | | | | | |
| HO516-429 | 131 | 164 | 122 | 50.5 | 100 | 7/15 | 37 | 10 | 10.8 | 97.5 | 1.5 | 1.2 |
| 10ARS191-3 | --- | 159 | 118 | 50.6 | 100 | 7/15 | 34 | 10 | 11.0 | 96.1 | 2.6 | 1.3 |
| Oreana | 119 | 166 | 115 | 50.2 | 100 | 7/16 | 31 | 0 | 10.4 | 95.4 | 2.9 | 1.7 |
| Altorado | 125 | 148 | 114 | 50.8 | 100 | 7/15 | 34 | 0 | 10.4 | 94.3 | 2.8 | 2.3 |
| Claymore | 131 | 152 | 114 | 49.3 | 100 | 7/15 | 35 | 9 | 9.8 | 94.4 | 3.6 | 1.9 |
| Idagold II | 114 | 148 | 108 | 50.6 | 100 | 7/15 | 34 | 1 | 10.7 | 97.3 | 1.3 | 1.1 |
| Carleton | --- | --- | 104 | 49.2 | 100 | 7/15 | 30 | 0 | 8.7 | 94.2 | 4.1 | 1.6 |
| Champion | 133 | 147 | 92 | 50.5 | 100 | 7/15 | 33 | 0 | 10.0 | 92.6 | 4.4 | 2.6 |
| Diamondback (SB6) | 69 | 126 | 86 | 43.4 | 100 | 7/14 | 30 | 0 | 10.9 | 95.5 | 3 | 1.2 |
| Feed Average | 113 | 147 | 108 | 49.4 | 100 | 7/15 | 33 | 3 | 10.3 | 95.3 | 2.9 | 1.7 |
| 2-Row Spring Food Barley | | | | | | | | | | | | |
| Kardia | 132 | 142 | 122 | 50.0 | 100 | 7/16 | 37 | 2 | 11.8 | 95.0 | 2.8 | 2 |
| Transit*** | 79 | 100 | 83 | 57.9 | 100 | 7/16 | 39 | 1 | 13.3 | 88.3 | 8.6 | 3 |
| Julie*** | 86 | 99 | 81 | 58.9 | 100 | 4/24 | 16 | 0 | 11.0 | 85.7 | 10 | 4.2 |
| Goldenhart*** | 91 | 98 | 78 | 58.8 | 90 | 7/17 | 35 | 0 | 12.0 | 81.2 | 13.5 | 5.1 |
| 16ARS295-1*** | --- | --- | 71 | 57.1 | 100 | 7/15 | 31 | 0 | 12.8 | 86.0 | 10.3 | 3.8 |
| Food Average | 98 | 112 | 87 | 56.5 | 98 | 6/29 | 32 | 1 | 12.2 | 87.2 | 9.0 | 3.6 |
| LSD ($\alpha=.05$) | 21 | 13 | 23 | 1.0 | NS | 39 | 8 | NS | --- | --- | --- | --- |
| CV (%) | 12.7 | 6.7 | 15.8 | 1.43 | 0 | 14.0 | 17.2 | 330.5 | --- | --- | --- | --- |

* The trial location in 2021 was in Ashton.

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

*** Indicates hullless variety.

SB6 = six-rowed barley.