**Table S2**. Seed yield (kg ha-1), harvest index (HI), and 1000-seed weight (g) of three quinoa varieties (V) grown under three water environmental conditions (WEC) during two consecutive years (Y) according to treatments interactions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Interaction** | **Seed yield (kg ha-1)** | **HI** | **1000-seed weight (g)** |  |
| **Y x WEC** |  |  |  |  |
| 2019 x I | 2000 a | 0.43 a | 2.82 a |
| 2019 x FR |  932 b | 0.44 a | 2.46 ab |
| 2019 x HR |  842 b | 0.28 b | 1.81 c |
| 2020 x I | 2009 a | 0.44 a  | 2.28 b |
| 2020 x FR | 2259 a | 0.42 a | 2.43 ab |
| 2020 x HR | 1247 b | 0.41 a | 2.26 bc |
| **Y x V** |  |  |  |
| 2019 x P | 1389 | 0.35 | 2.24 |
| 2019 x M | 1325 | 0.37 | 2.21 |
| 2019 x T | 1061 | 0.44 | 2.65 |
| 2020 x P | 1869 | 0.42 | 2.23 |
| 2020 x M | 1873 | 0.43 | 2.32 |
| 2020 x T | 1773 | 0.42 | 2.42 |
| **WEC x V** |  |  |  |
| I x P | 2189 | 0.42 | 2.47 |
| I x M | 2063 | 0.43 | 2.41 |
| I x T | 1761 | 0.45 | 2.78 |
| FR x P | 1686 | 0.43 | 2.24 |
| FR x M | 1610 | 0.42 | 2.39 |
| FR x T | 1492 | 0.45 | 2.70 |
| HR x P | 1013 | 0.32 | 1.99 |
| HR x M | 1124 | 0.34 | 1.99 |
| HR x T |  998 | 0.39 | 2.13 |

Different lowercase letters within the same column indicate significant difference at p< 0.05 according to Tukey's test. HSD: critical value for comparison. n.s.: not significant; significant at \**p*<0.05; \*\**p* <0.01 and \*\*\* *p* < 0.001. I: irrigated. FR: fresh rainfed. HR hard rainfed; P: Pasto. M: Marisma. T: Titicaca