Table 1.Crop yield components of barley and wheat under different treatments over 6 years. Letters indicate significant differences between treatments for each crop in a year (Tukey test, *P*<0.05).

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| --- | --- | --- | --- | --- | --- |
| **Year** | **Crop** | **Treatment** | **GY (Mg ha-1)** | **BY (Mg ha-1)** | **SY (Mg ha-1)** |
| 2010 | Barley | PRB | 2.9±0.1a | 10.4±0.7a  | 7.5±0.5a |
|  |  | SPB | 2.3±0.1b | 8.5±0.6ab | 6.2±0.6ab  |
|  |  | CT | 2.0±0.1b | 6.5±0.8b | 4.5±0.7b |
| 2011 | Wheat | PRB | 3.6±0.1a | 10.6±0.3a | 7.1±0.2a |
|  |  | SPB | 3.4±0.4ab | 10.4±0.5a | 7.0±0.3a |
|  |  | CT | 2.4±0.1b | 7.4±0.3b | 5.0±0.2b |
| 2012 | Barley | PRB | 3.6±0.1a | 10.8±0.1a | 7.3±0.1a |
|  |  | SPB | 3.1±0.1b | 9.3±0.3b | 6.2±0.4a |
|  |  | CT | 2.3±0.0c | 7.0±0.3c | 4.8±0.3b |
| 2013 | Wheat | PRB | 3.9±0.1a | 10.5±0.3a | 6.6±0.2a |
|  |  | SPB | 3.3±0.2a | 9.9±0.5a | 6.6±0.3a |
|  |  | CT | 2.4±0.3b | 6.8±0.9b | 4.5±0.7b |
| 2014 | Barley | PRB | 4.3±0.3a | 12.1±0.3a | 7.8±0.1a |
|  |  | SPB | 3.8±0.4ab | 10.8±0.7a | 7.0±0.3a |
|  |  | CT | 2.6±0.1b | 7.4±1.1b | 4.8±1.0b |
| 2016 | Wheat | PRB |  4.8±0.2a | 12.8±0.6a | 8.0±0.8a |
|  |  | SPB | 4.6±0.0a | 11.6±0.2a | 7.0±0.1a |
|  |  | CT | 2.8±0.3b | 9.1±0.1b | 6.2±0.4a |

GY=Grain yield; BY= Biomass yield; SY= Straw yield