**Supplementary material Table S1.** Contribution of biochar and fertilizer to wheat biomass production

|  |  |  |
| --- | --- | --- |
| Sources | Calculation between treatments | Values |
| Soil (%) | CK | 39.9a |
| NPK (%) | NPK – CK | 38.6a |
| Biochar as fertilizer (%) | BC – CK | 5.8c |
| Biochar as a conditioner (%) | (BC+NPK) - NPK - (BC - CK) | 16.7b |

Different superscript lower case letters within each column indicate significant differences between treatments at 5% level of significance according to DMRT



**Supplementary material Figure S1.** Weekly average rainfall and maximum and minimum air temperature during the crop growth period: (a) first year (2013-2014), (b) second year (2014-2015) from November to April