Table 1: Table. 1 Soil physicochemical properties

|  | **Site D** | | **Site E** | | **Site F** | | **Site G** | | **Site H** | | Two-way ANOVA p-values | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | Natural*1* | Farm*1* | Natural*1* | Farm*1* | Natural*1* | Farm*1* | Natural*1* | Farm*1* | Natural*1* | Farm*1* | Site | Landuse | Site × Landuse |
| Moisture (%) | 45.4 ± 2.7 | 35.4 ± 1.1 | 33.8 ± 2.3 | 31.7 ± 1.8 | 19.0 ± 4.5 | 18.5 ± 2.0 | 4.9 ± 0.9 | 3.7 ± 1.1 | 4.6 ± 1.8 | 2.6 ± 0.6 | <0.001 | <0.001 | 0.002 |
| Total C (%) | 3.1 ± 0.7 | 2.2 ± 0.3 | 2.0 ± 0.3 | 2.2 ± 0.2 | 1.3 ± 0.6 | 1.0 ± 0.5 | 1.3 ± 0.2 | 0.9 ± 0.1 | 2.8 ± 0.5 | 1.9 ± 0.3 | <0.001 | <0.001 | 0.004 |
| Total N (%) | 0.4 ± 0.1 | 0.3 ± 0.1 | 0.3 ± 0.1 | 0.4 ± 0.1 | 0.3 ± 0.1 | 0.3 ± 0.1 | 0.2 ± 0.1 | 0.2 ± 0.1 | 0.3 ± 0.1 | 0.2 ± 0.0 | <0.001 | 0.3 | 0.030 |
| C/N ratio | 9.1 ± 2.3 | 9.5 ± 3.2 | 7.4 ± 3.0 | 6.3 ± 1.3 | 4.1 ± 1.7 | 3.2 ± 2.3 | 10.4 ± 4.8 | 7.6 ± 7.6 | 10.7 ± 2.0 | 9.0 ± 2.4 | <0.001 | 0.040 | 0.5 |
| pH (H₂O) | 6.6 ± 0.1 | 6.1 ± 0.1 | 6.6 ± 0.2 | 6.7 ± 0.3 | 6.7 ± 0.1 | 5.4 ± 0.4 | 7.2 ± 0.2 | 5.8 ± 0.1 | 6.2 ± 0.1 | 5.6 ± 0.1 | <0.001 | <0.001 | <0.001 |
| 16S rRNA (log copies g⁻¹soil) | 8.3 ± 0.6 | 7.4 ± 1.1 | 7.6 ± 1.1 | 7.4 ± 1.0 | 8.2 ± 0.4 | 7.5 ± 0.5 | 8.3 ± 0.2 | 7.1 ± 0.6 | 8.1 ± 0.4 | 7.5 ± 0.5 | 0.5 | <0.001 | 0.2 |
| ITS (log copies g⁻¹soil) | 7.5 ± 0.6 | 6.4 ± 1.0 | 6.6 ± 1.1 | 6.5 ± 1.0 | 7.4 ± 0.2 | 6.9 ± 0.5 | 7.8 ± 0.3 | 6.2 ± 0.6 | 7.5 ± 0.3 | 6.7 ± 0.5 | 0.13 | <0.001 | 0.038 |
| 16S rRNA (Shannon Diversity) | 7.2 ± 0.3 | 7.6 ± 0.1 | 7.5 ± 0.2 | 7.4 ± 0.3 | 7.4 ± 0.4 | 8.4 ± 0.6 | 8.4 ± 0.1 | 8.0 ± 0.4 | 8.4 ± 0.3 | 8.3 ± 0.2 | <0.001 | 0.023 | <0.001 |
| ITS (Shannon Diversity) | 4.6 ± 0.9 | 5.6 ± 0.8 | 6.0 ± 0.3 | 6.0 ± 0.2 | 6.0 ± 0.7 | 5.5 ± 0.3 | 5.5 ± 0.4 | 5.1 ± 0.5 | 5.3 ± 0.9 | 6.0 ± 0.3 | <0.001 | 0.2 | <0.001 |
| *1*Mean ± SD in each location (n=9). | | | | | | | | | | | | | |