Table S1. Soil characteristics of experimental fields from each slope category (before planting)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Slope category | Number of replications | Sand | Silt | Clay | pH H2O | OC (%) | Total N (%) | Available P (mg P2O5/100g of soil) | Available K (mg K2O/100g of soil) |
| *p-value* |  | 0.2691 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | 0.0001 | 0.0002 |
| Gentle slope | 9 | 48.19a | 27.27a | 24.54c | 4.47b | 1.31b | 0.11c | 11.12b | 7.79b |
| Moderate slope | 5 | 48.79a | 20.50b | 30.70b | 5.06a | 1.45b | 0.12b | 20.01a | 10.32a |
| Steep slope | 10 | 48.64a | 13.28c | 38.08a | 4.25c | 1.74a | 0.14a | 9.31b | 7.90b |

Means followed by different letters are significantly different at *P<0.05* according to Tukey’s HSD test.