

Figure A1.1 (Appendix) Mean difference in a) soil moisture and b) bulk density (BD) in the topsoil layer (0-15 cm) under shade-tree canopy for five shade-tree species and our control species *T. cacao*.

A hammer corer (\varnothing 5.5 cm) was used to collect 4 intact cores (0-15 cm) per location (“canopy” and “no canopy”). Each core was weighed individually and soil moisture content and bulk density were determined. Mean differences were calculated as the differences between mean soil parameter values measured under the canopy of individual shade trees and paired open locations. Bars represent one standard error of the mean. Asterisks indicate for which shade-tree species the difference between “canopy” and “no canopy” locations was significantly different from zero (only t-test results with p-values < 0.05 are shown).

