

Organic matter cycling along geochemical, geomorphic and disturbance gradients in vegetation and soils of African tropical forests and cropland - Project TropSOC DATABASE_v1.0

2.1.12. Forest – Vegetation – Root productivity aggregated to seasonal values

When using these data, please cite the original publication:

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Introduction

The data set comprises a unique plot identifier, information regarding season, and six further variables that provide data regarding the root productivity aggregated for different seasons at the plot level for TropSOC's forest plots.

Data structure

No.	Variable	Explanation	Unit
1	plotID	unique identifier of each plot and point where data were collected	-
2	season	season represented by the data. main seasons divided by precipitation; weak_dry: Dec – Feb; strong_rain: March – May; strong_dry: June – Aug; weak_rain: Sep – Nov)	-
3	min_bio	minimum fine root (< 2 mm) biomass productivity	kg ha ⁻¹ day ⁻¹
4	max_bio	maximum fine root (< 2 mm) biomass productivity	kg ha ⁻¹ day ⁻¹
5	mean_bio	mean fine root (< 2 mm) biomass productivity	kg ha ⁻¹ day ⁻¹
6	sd_bio	standard deviation of mean fine root (< 2 mm) biomass productivity	kg ha ⁻¹ day ⁻¹
7	sum_bio	sum of fine root (< 2 mm) biomass productivity	kg ha ⁻¹ season ⁻¹
8	no	total number of observations per season considered in calculations	-

Methods

This data set comprises a seasonal aggregation of the root productivity data (2111_root_prod.csv) describe in detail in 2111_root_prod.pdf. The data were aggregated at the plot level in four seasons, which were categorized based on the average precipitation for each period: weak dry season (December-February), strong rain season (March-May), strong dry season (June-August) and weak rain season (September-November).

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