Supplementary data.

The following is the supplementary data related to the article: Soil and Climate Characterization to Define Environments for Summer Crops in Senegal, authored by Carlos M. Hernández, Aliou Faye, Mamadou Ousseynou Ly, Zachary P. Stewart, P.V. Vara Prasad, Leonardo M. Bastos, Luciana Nieto, Ana J.P. Carcedo, and Ignacio A. Ciampitti.

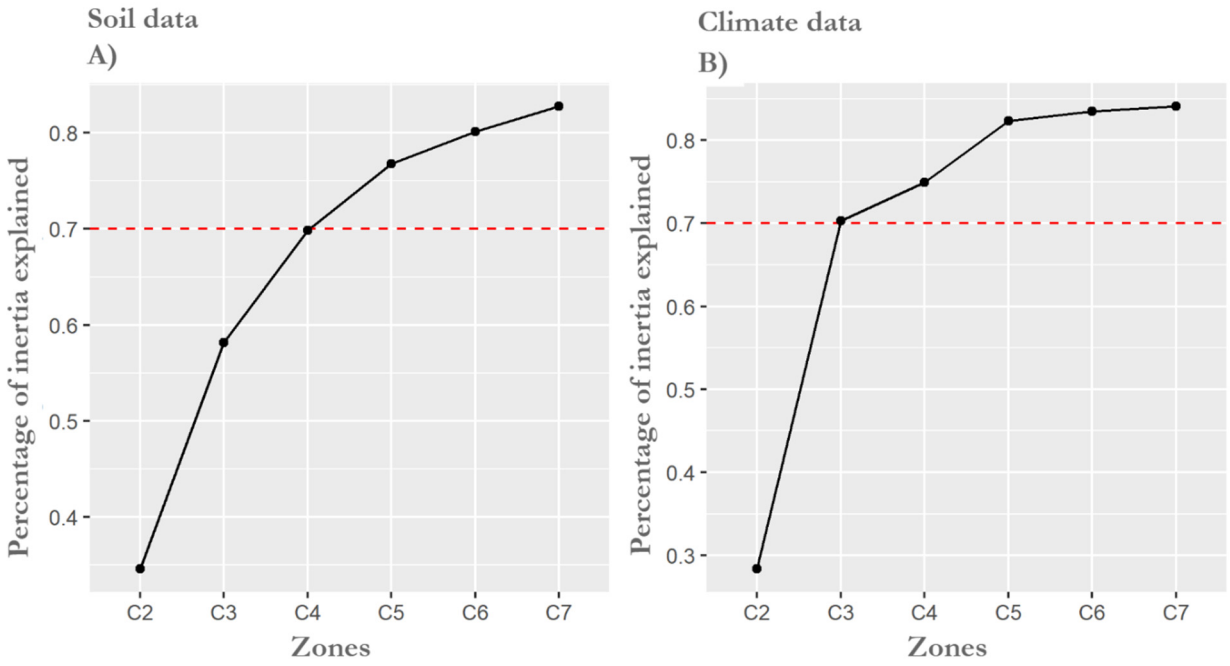


Figure S1: Percentage of inertia explained by soil and climate data. The optimal value of zones was selected as the value of zones above 70 percent of the explained variance. The optimal number of zones was 5 and 3, for the soil and climate data respectively.

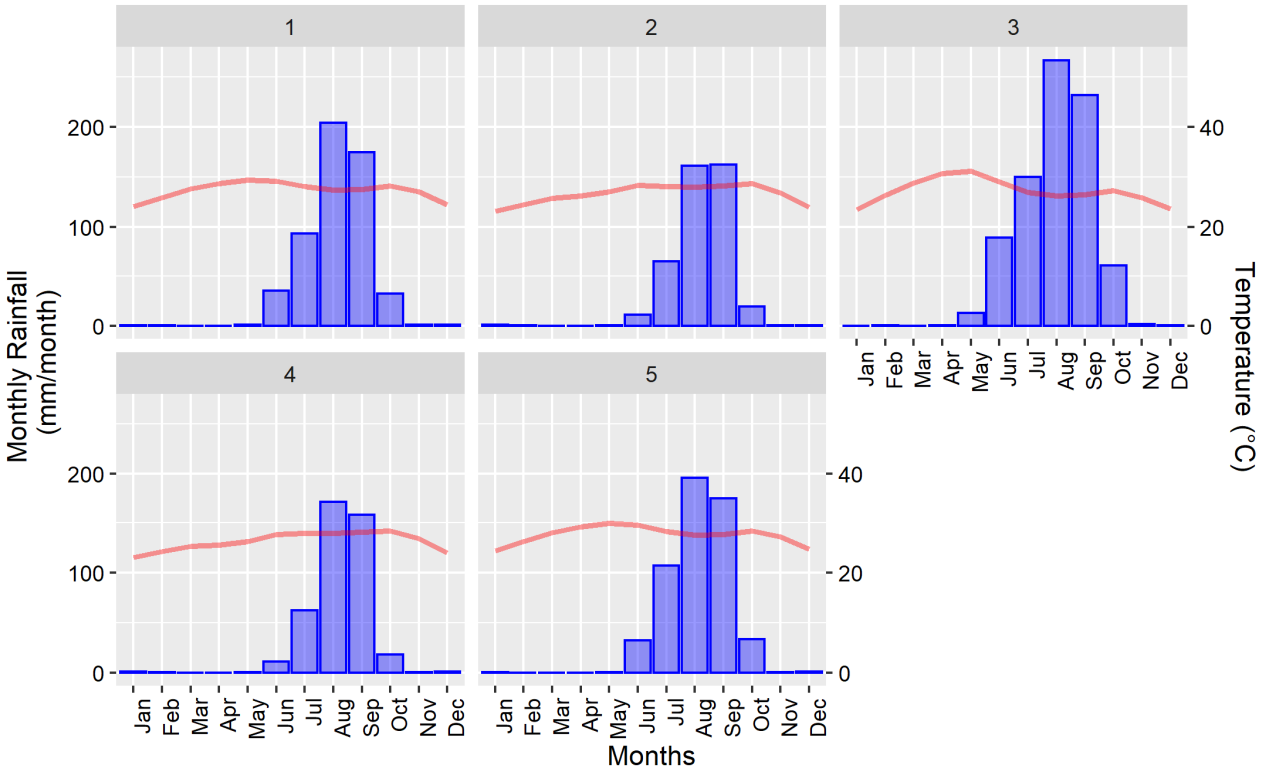


Figure S2. Temporal pattern of average temperature and cumulative rainfall among months and soil zones

Table S1. Values of loadings of each variable in the soil data as results of PCA. These values represent the contribution of each variable to explain the variance in the spatial scale.

	pH	EC	P	K	CEC	Total carbon	Total Nitrogen
PC1	-0.158	-0.404	-0.134	-0.358	-0.466	-0.517	-0.423
PC2	-0.501	-0.227	-0.543	-0.308	-0.028	0.439	0.333

Table S2. Values of loadings of each variable in the climate data as results of PCA. These values represent the contribution of each variable to explain the variance in the spatial and temporal scale.

		Months						
		May	Jun	Jul	Aug	Sep	Oct	Nov
PC1	Rainfall	-0.242	-0.273	-0.250	-0.226	-0.229	-0.260	-0.198
	Temperature	-0.202	-0.054	0.224	0.269	0.263	0.257	0.200
	Eto	-0.067	-0.006	0.262	0.242	0.205	0.179	0.218
PC2	Rainfall	0.147	-0.015	-0.090	0.083	0.111	-0.063	0.185
	Temp	-0.358	-0.482	-0.180	-0.005	0.063	-0.063	-0.250
	Eto	-0.448	-0.428	-0.053	-0.090	0.026	0.114	0.203