

Samples	Soil types	Composition	crop	Yield (Kg/ha)	Yi	Growth Period (months)	Localities (Basement)	Coordinates	
T01	control	Local soil	maize	833	1	3	Foumbot (basalt)	05°32'25"N	10°35'30"E
T41	treated soil	T01 + 600g basalt fines +600g poultry manure		2500	3	3			
T02	control	local soil	maize	3200	1	3	Bonandale (sediments)	04°09'36"N	09°34'34"E
T12	treated soil	T02 + 2Kg basalt fines		5400	1.70	3			
T12B				/	/	6			
T62				4000	1.25	3			
T62B		T02 + 1Kg limestone fines		/	/	6			
T22				8300	2.59	3			
T22B				/	/	6			
T03		control		Local soil	maize	4000			
T13	treated soil	T03 + 3Kg basalt fines	8000	2					
T23		T03 + 3Kg gneiss fines	11000	2.75					
T04	control	Local soil	cabbage	2444	1	3	Befang (volcanic pyroclastic materials)	06°20'18"N	10°02'47"E
T14	treated soil	T04 + 200g lapilli fines		3578	1.50				
T24		T04 + 200g fines from pyroclastic bombs		15000	6.13				
T34		T04 + 200g fines from highly vesicular pyroclastic materials		6444	2.63				
T44		T04 + 200g fines from less vesicular pyroclastic materials		11666	4.77				
T05	control	Local soil	carrots	500	1	3	Santa (basalt)	05°47'58"N	10°09'46"E
T15	treated soil	T05 + 1Kg basalt fines		150	0.3				
T25		T05 + 1Kg basalt fines + 10ml LMO		506	1.01				
T35		T05 + 1Kg basalt fines + 10ml LMO + 0.5Kg Tithonia		925	1.85				
T45		T05 + 1Kg basalt fines + 0.5Kg Tithonia		525	1.05				
T06	control	Local soil	potatoes	14815	1	3	Batibo (basalt)	05°45'10"N	09°45'35"E
T26	treated soil	T06 + 2kg basalt fines + 2Kg caol fines		20741	1.4				
T46		T06 + 2kg trachyte fines + 2Kg coal fines		13333	0.89				

LMO: Light Organic Matrix; Yi = Performance Index (= Yield per treatment/Yield per control)

Table 1: Localities of soil samples with their compositions, test crops and yields in the west, centre and littoral regions of Cameroon.