



Supplementary Fig 1. Average, minimum and maximum temperature and relative humidity in Cruz das Almas and Lençóis during the experiment. A: maximum temperature; B: average temperature; C: minimum temperature; D: maximum relative humidity; E: average relative humidity; F: minimum relative humidity. CDA: Cruz das Almas; LEN: Lençóis; T: air temperature; RH: relative air humidity.

Supplementary Table 1. Chemical composition of the different ingredients formulation of the substrates.

Trea.	pH	P	K	Ca	Mg	Ca+Mg	Al	Na	H+Al	SB	CTC	V	MO
	H ₂ O	mg dm ³ cmol dm ³ %		g kg ⁻¹			
CfSB	5.40	101.00	3.14	3.34	3.69	7.03	0.10	0.35	4.10	10.52	14.62	72.00	57.00
SVB	5.30	58.00	1.01	2.83	7.92	10.75	0.10	0.26	4.52	12.02	16.54	73.00	25.00
CfVB	6.70	164.00	2.15	1.84	8.60	10.44	0.00	0.35	0.99	12.94	13.93	93.00	55.00
CfSVB	5.30	70.00	2.10	2.39	8.49	10.88	0.10	0.26	4.29	13.24	17.53	76.00	54.00
CfE	6.40	112.00	2.83	2.65	1.44	4.09	0.00	0.35	1.65	7.26	8.91	81.00	58.00
CfSM	5.50	74.00	2.88	4.89	2.30	7.19	0.00	0.43	5.17	10.50	15.67	67.00	57.00
SVM	5.50	23.00	0.85	3.03	6.50	9.53	0.00	0.26	3.63	10.64	14.27	75.00	26.00
CfVM	6.70	76.00	1.99	2.58	6.93	9.51	0.00	0.35	0.55	11.85	12.40	96.00	58.00
CfSVM	5.30	41.00	1.58	2.78	6.81	9.59	0.20	0.26	6.05	11.43	17.48	65.00	54.00
Vivatto	5.10	354.00	2.05	8.07	3.45	11.52	0.40	0.85	5.39	14.42	19.81	73.00	68.00

Cf coconut fiber; V: vermiculite; S: soil; M: manure; B: bokashi