

Table 1 Mean of soil characters in pit and mound microsites and soil depths

Variables / characters	Water content (%)	pH	Organic matter (%)	Organic carbon (%)	Total nitrogen (%)	C/N ratio	
Microsites	Mound top	11.86 (0.12)e	6.91 (0.05)a	3.47 (0.01)d	2.00 (0.00)d	0.11 (0.00)d	17.55 (0.09)b
	Mound wall	12.92 (0.16)d	6.96 (0.04)a	3.38 (0.01)e	1.96 (0.00)e	0.10 (0.00)e	18.39 (0.12)a
	Pit wall	51.95 (0.13)b	6.51 (0.04)bc	3.96 (0.03)b	2.35 (0.01)b	0.15 (0.00)b	15.54 (0.05)d
	Pit bottom	58.52 (0.21)a	6.38 (0.04)c	5.51 (0.01)a	3.20 (0.00)a	0.20 (0.00)a	15.41 (0.06)d
	Closed canopy	40.69 (0.18)c	6.62 (0.04)b	3.68 (0.02)c	2.14 (0.01)c	0.13 (0.00)c	16.38 (0.10)c
	F-value	23064.18**	26.74**	5139.57**	8255.46**	3025.96**	255.06**
Soil depths (cm)	0-15	34.73 (1.50)b	6.66 (0.04)	4.11 (0.06)	2.39 (0.04)a	0.15 (0.00)a	16.36 (0.11)c
	15-30	35.30 (1.50)	6.70 (0.04)	3.94 (0.05)	2.31 (0.03)b	0.14 (0.00)b	16.56 (0.11)b
	30-45	35.53 (1.49)a	6.68 (0.03)	3.94 (0.05)	2.29 (0.03)c	0.13 (0.00)c	17.04 (0.11)a
	F-value	13.64**	0.27 ^{ns}	105.70**	150.01**	133.94**	31.76**
	Interaction	22.85**	0.25 ^{ns}	131.54**	198.89**	59.71**	11.14**

Note: ** Different is significant at the 0.01 level. (ns): Non significant differences ($P > 0.05$); Values are the means \pm St. error of the mean;

Within the same column the means followed by different letters are statistically different ($P < 0.05$)