

Supplementary

Table S1: Summary of analysis of variance and mean results of variables evaluated in peach trees in relation to treatments.

Cause s of Variat ion	Soil (mg kg ⁻¹)			N uptake in peach (g kg ⁻¹)				Peach tree dry matter (g)				Physiological parameters of peach trees				
	N H ₄ ⁺	N O ₃ ⁻	N min eral	Lea f	St e m	Ro t	Tot al	Lea f	Ste m	Roo t	Tota l	Chloro phyll a (mg g ⁻¹)	Chlor ophyl l b (mg g ⁻¹)	Caro tenoi d (mg g ⁻¹)	Photosynt hetic Rate (μmol CO ₂ m ⁻² s ⁻¹)	Stomat al conduc tance (mol H ₂ O m ⁻² s ⁻¹)
Fertili zer (F)	28, 77* *	22, 34* *	44.0 9**	6.38 *	1.9 6 ^{ns}	10. 23* *	10. 50* *	0.6 4 ^{ns}	0.1 8 ^{ns}	4.63 ns	3.68 ns	3.35 ^{ns}	4.38 ^{ns}	2.39 ns	11.80**	3.17 ^{ns}
Contr ol		4,9 3b	7.39 b		0.4 0a	1.5 5b	2.2 4b	20. 57a	34. 81a	101. 94b	159,5 0b	1.14b	0.37a b	0.37a	10.06b	0.15a
Comp ost		7,3 6a	10.2 5a		0.4 1a	1.7 5b	2.4 9b	20. 71a	36. 59a	106. 93a b	162,3 2b	1.28ab	0.36c	0.38a	11.32a	0.16a
Urea		6,7 1a	11.1 4a		0.5 1a	2.5 7a	3.4 8a	20. 90a	36. 84a	142. 16a	200,6 6a	1.42a	0.47a	0.42a	12.26a	0.20a
<i>Paspa lum Notat um (P)</i>	3,1 0 ^{ns}	35, 04* *	20.7 63**	36.3 0**	2.4 3 ^{ns}	1.2 8 ^{ns}	3.6 2 ^{ns}	19. 01* *	0.8 1 ^{ns}	0.65 ns	0.31 ns	22.38**	35.92 **	14.38 *	0.66 ^{ns}	1.35 ^{ns}
Presen t		5.4 2	8.82		0.4 0	1.8 5	2.5 2	18. 79	37. 44	121. 78	178,0 0	1.07	0.30	0.36	11.07	0.16
Absen t		7.2 4	10.3 8		0.4 8	2.0 7	2.9 6	23. 34	34. 72	112. 25	170,3 1	1.49	0.50	0.43	11.37	0.18
F*P	14, 79* *	0.2 5 ^{ns}	2.47 ns	8.65 **	2.1 9 ^{ns}	0.2 5 ^{ns}	1.0 7 ^{ns}	2.6 08 ns	0.0 9 ^{ns}	0.53 ns	0.21 ns	0.83 ^{ns}	2.35 ^{ns}	0.40 ns	0.25 ^{ns}	0.04 ^{ns}
CV (%)	12, 71	13. 3	9.73	19.4 4	32. 08	27. 21	23. 27	13. 58	22. 81	27.5 2	21.75	18.99	22.44	13.72	9.05	28.09
ABSE NT																
Contr ol	1,9 4c			0.31 b												
Comp ost	3,2 5b			0.37 b												

Urea	4,2 1a	0.53 a
PRES ENT		
Contr ol	2,9 9b	0.25 a
Comp ost	3,3 5ab	0.26 a
Urea	3,8 5a	0.27 a

ns, **, * - Not significant, significant at 1% and 5% significance, respectively. Means followed by the same lowercase letter in the column do not differ significantly from each other, at the 5% level of significance by Tukey's test.

Table S2: Summary of analysis of variance and mean results of variables evaluated in *Paspalum notatum* in relation to treatments.

Causes of Variation	N uptake in <i>Paspalum notatum</i> (g kg ⁻¹)			<i>Paspalum notatum</i> dry matter (g)	
	Aerial part	Root	Total	Aerial part	Root
Fertilizer (F)	10.32*	3.138 ^{ns}	6.23*	14.482**	10.12*
Control	0.18b	0.66a	0.84b	12.80b	46.89b
Compost	0.21b	0.77a	0.99ab	15.09b	55.61a
Urea	0.32a	0.83a	1.15a	22.51a	59.29a
CV (%)	21.02	14.51	13.95	17.76	8.30

ns, **, * - Not significant, significant at 1% and 5% significance, respectively. Means followed by the same lowercase letter in the column do not differ significantly from each other, at the 5% level of significance by Tukey's test.

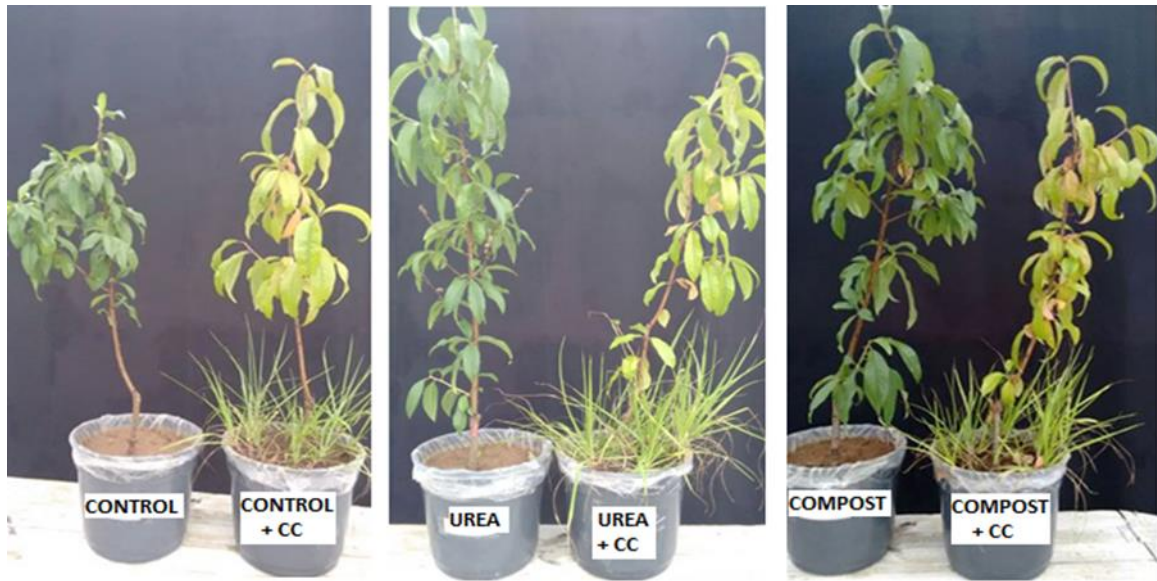


Figure S1- Photo carried out 180 days after the application of control treatments, urea, and organic compound with presence and absence of cover crops (CC).