

Supplementary material

Biochar phosphate fertilizer loaded with urea preserves available nitrogen longer than conventional urea

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Table S1. Analysis of variance (ANOVA) with the Mean Square (Mean Sq) values and the significance level of the parameters analyzed in the soil after the cultivation of beans and maize under PLB-N and urea fertilization.

Bean				Mean Sq.								
Factor	Df	SDM ¹	Total SDM	N uptake	P uptake	Mg uptake	pH	EC ²	Resin P	NH ₄ ⁺	NO ₃ ⁻	NH ₄ ⁺ /NO ₃ ⁻
Treatments	5	206.59**	284.74**	25.01**	0.73**	2.55**	0.83**	43.41**	228.77**	8.58**	19.71**	0.96**
Error	18	5.51	4.99	1.49	0.03	0.22	0.01	0.05	0.87	0.11	0.13	0.02
Maize												
Treatments	5	470.94**	---	35.33**	1.62**	2.87**	0.02	0.65**	38.02**	17.38**	38.06**	0.51**
Error	18	3.74	---	0.14	0.02	0.02	0.01	0.004	2.68	0.75	0.20	0.04

Asterisks indicate the level of significance. ** $p < 0.01$; * $p < 0.05$; A lack of * symbols indicates significance at $p < 0.1$. ¹SDM= Shoot dry matter; ²EC= Electrical conductivity