

Table S1: Mean and standard deviation (in parenthesis) values of As desorption and P sorption for the two soils. T1: triple superphosphate in water, T2: triple superphosphate in 0.01 M NaNO₃, T3: NH₄H₂PO₄ in 0.01 M NaNO₃. P rates (mg/L), 1: 2.36, 2: 6.77, 3: 11.08, 4: 15.92, 5: 21.96, 6: 40.59, 7: 88.88. Capital letters indicate differences between P rates within each treatment and lower case letters indicate differences between treatments within each rate (p<0.05). Comparisons are valid within each soil. The presence of common letter implies no significant difference (N=3).

As desorbed (mg/kg)						
<i>Rate</i>	<i>Soil 1</i>			<i>Soil 2</i>		
	<i>T1</i>	<i>T2</i>	<i>T3</i>	<i>T1</i>	<i>T2</i>	<i>T3</i>
1	7.99 A a (0.74)	8.23 A a (0.79)	17.95 A b (2.18)	14.72 A a (0.56)	16.45 A a (1.90)	13.73 A a (0.75)
2	24.70 B a (1.88)	31.45 B b (3.44)	28.52 B b (1.42)	19.73 B a (2.13)	21.13 BCD a (1.93)	20.88 BC a (2.78)
3	31.35 C a (1.91)	35.45 B b (0.20)	33.77 C a (0.68)	26.58 C a (1.48)	24.05 BDE a (1.86)	23.92 BC a (2.71)
4	37.22 D a (0.22)	37.50 C a (0.58)	36.38 C a (2.02)	20.28 B ab (1.10)	19.22 AC a (0.51)	21.10 C b (0.76)
5	40.35 E a (1.10)	45.08 D ab (3.37)	43.52 D b (1.48)	21.25 B a (0.56)	21.78 D ab (0.60)	22.78 BD b (0.18)
6	51.68 F a (0.75)	50.27 D ab (4.56)	54.15 E b (1.20)	23.27 C a (0.13)	29.05 DE a (5.90)	31.68 CDE a (6.78)
7	64.40 G a (0.93)	61.83 E a (2.74)	63.30 F a (1.67)	27.25 C a (4.04)	26.78 E a (1.40)	35.27 E b (0.83)

P sorbed (mg/kg)						
<i>Rate</i>	<i>Soil 1</i>			<i>Soil 2</i>		
	<i>T1</i>	<i>T2</i>	<i>T3</i>	<i>T1</i>	<i>T2</i>	<i>T3</i>
1	38.38 A a (4.05)	37.76 A a (2.91)	41.92 A a (2.65)	29.72 A a (1.74)	30.07 A a (2.23)	34.05 A a (2.26)
2	111.88 B a (2.03)	108.78 B a (2.30)	96.84 B b (4.78)	74.29 B a (3.98)	78.27 B a (4.60)	70.31 B a (11.33)
3	149.91 C a (2.45)	154.77 C a (12.88)	143.27 C b (2.65)	113.65 C a (5.02)	118.51 C a (4.66)	105.24 C a (15.38)
4	214.04 D a (8.63)	201.20 D a (13.62)	195.89 D b (3.83)	163.17 D a (12.65)	137.52 D b (4.52)	150.79 D ab (6.81)
5	251.61 E a (14.06)	261.78 E a (21.81)	249.84 D a (37.06)	198.55 E a (6.27)	214.91 E a (19.13)	176.88 D a (39.36)
6	391.79 F a (27.52)	374.99 F a (21.97)	378.97 E a (35.36)	360.39 F a (44.50)	336.07 F a (60.19)	429.38 E a (82.40)
7	589.01 G a (19.13)	442.20 F b (44.18)	613.77 F a (56.74)	703.98 G a (56.74)	562.48 G a (64.34)	594.32 F a (45.34)