

Supporting Information.

**Phosphorus speciation in agro-industrial byproducts: sequential fractionation,
solution ^{31}P NMR and P *K*- and *L*_{2,3}-edge XANES spectroscopies**

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TABLE S1. Concentrations of selected elements in agro-industrial byproducts

	K	Ca	Mg	Na	Fe	Al	Mn	Zn	Cu	B	Mo
	g kg ⁻¹						mg kg ⁻¹				
COD	29.94	3.98	11.35	0.23	0.26	0.33	44	12	15	19	0.6
COW	20.20	9.00	1.72	0.35	0.78	0.75	108	36	33	33	1.7
SIS	17.38	52.74	5.80	3.24	0.12	0.09	44	21	15669	41	0.3
BEB	0.34	2.13	1.50	0.39	0.37	0.19	57	117	13	7	2.0
FIC	6.96	26.87	3.13	0.30	19.47	23.84	872	99	39	3	7.8
LIC	7.10	27.17	2.98	0.13	19.50	28.72	1061	100	36	7	9.3
NIC	14.30	6.03	4.91	0.47	2.32	2.33	130	69	6528	35	0.5
LSD (5%)	2.24	0.81	0.32	0.39	1.35	5.32	55	4	481	6	0.7
CV%	6.7	1.8	4.3	23.5	9.0	27.1	6.8	2.5	6.2	12.8	8.7

COD and COW, dry and wet processed coffee byproducts; SIS, sisal factory byproduct; BEB, brewery byproducts; FIC, filter cake; LIC, linseed cake; NIC, Niger seed cake

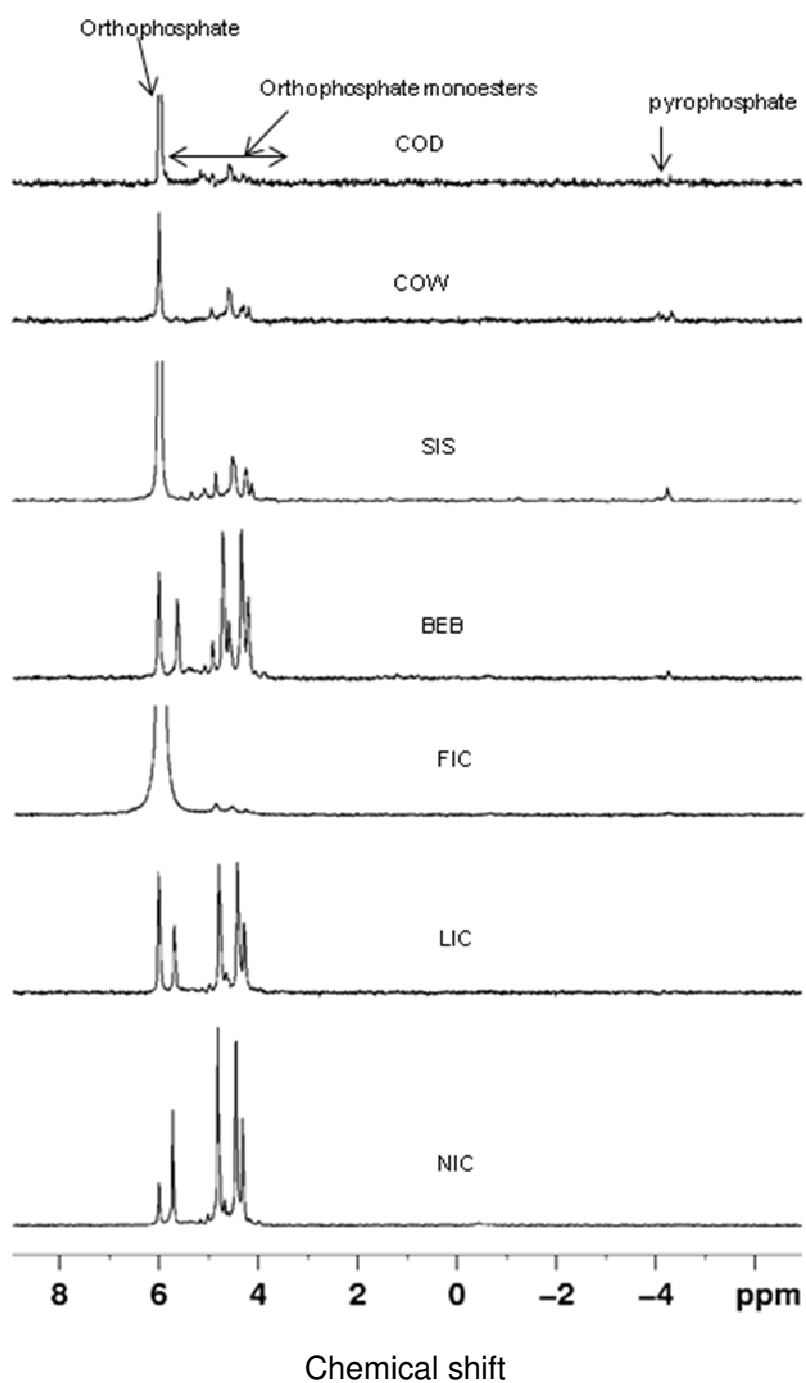


FIGURE S1. Solution ^{31}P NMR spectra of agro-industrial byproducts. See Table S1 for abbreviations.