

## Citrate-coated cobalt ferrite nanoparticles for the nano-enabled biofortification of wheat

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**Table S1** Chemical properties of the soil used.

Feature	Unit	Value	Interpretation <sup>†</sup>
pH		7.71 ± 0.01	Moderately alkaline
EC	dS m <sup>-1</sup>	2.24 ± 0.01	Very slightly saline
Organic matter		5.70 ± 0.40	High
N total	%	0.82 ± 0.07	
N inorganic		29.48 ± 5.48	Medium
P (Olsen extraction)	mg kg <sup>-1</sup>	49.59 ± 13.95	High
Exchangeable cations			
Na		1.00 ± 0.01	
K		5.39 ± 0.08	High
Ca	cmol <sub>(+)</sub> kg <sup>-1</sup>	88.93 ± 5.04	High
Mg		11.93 ± 0.80	High
Micronutrients (DTPA extraction)			
Cu		0.50 ± 0.02	Adequate
Fe		3.23 ± 0.31	Marginal
Zn	mg kg <sup>-1</sup>	1.21 ± 0.01	Adequate
Mn		14.87 ± 0.31	Adequate

Mean value and their standard deviation, n=3

<sup>†</sup>Interpretation according to the Mexican norm NOM-021-RECNAT-2000<sup>1</sup>.

1 Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), 2000.