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Project Title: Impact of Using High Quality Biological Compost and Compost Extract on Corn Production, Plant Nutrient Content and Soil Quality

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Final Report

Table 2. Chemical properties of compost extracts applied to plots that received extract (E) and compost+ extract (CE) treatments.

Nutrient [†]	Time of application		
	At planting	One month after planting	Two months after planting
O.M. (%)	0.52 [†]	0.62	0.773
Total N (%)	0.03	0.03	0.04
Total C (%)	0.03	0.04	0.04
C:N	11.8	10.9	9.8
NO ₃ -N (mg.kg ⁻¹)	16.2	17.6	18.2
NH ₄ -N (mg.kg ⁻¹)	0.97	1.00	1.00
Major elements (%)			
P (as P ₂ O ₅)	0.03	0.04	0.04
K (as K ₂ O)	0.02	0.02	0.02
Ca	0.06	0.07	0.08
Mg	0.01	0.01	0.01
Minor elements (mg.kg ⁻¹)			
Mn	15.17	14.97	14.73
Fe	139.7	149.6	159.1
Zn	3.29	4.70	6.14
Cu	0.59	0.72	0.85

[†] Values are mean of n=3 and presented on wet weight basis.