Table S1. One-way ANOVA results for all four seed germination and viability measures that are presented in Tables 1 and 2 and Figure 2, for the controls and each of the six anaerobic digestion incubation time periods (1, 2, 4, 8, 12, and 16 days).

Control	***F***	***P***
Germination (%)	56.731	0.0001
Viable (%)	30.724	0.0001
Non-viable (%)	6.058	0.005
1st of germination	43.600	0.0001
Day 1		
Germination (%)	86.132	0.0001
Viable (%)	62.043	0.0001
Non-viable (%)	4.422	0.008
1st of germination	588.412	0.0001
Day 2		
Germination (%)	22.811	0.0001
Viable (%)	26.297	0.0001
Non-viable (%)	16.886	0.0001
1st of germination	15.045	0.0001
Day 4		
Germination (%)	251.785	0.0001
Viable (%)	18.209	0.0001
Non-viable (%)	47.343	0.0001
1st of germination	146.944	0.0001
Day 8		
Germination (%)	14.928	0.0001
Viable (%)	15.979	0.0001
Non-viable (%)	7.467	0.001
1st of germination	24.922	0.0001
Day 12		
Germination (%)	No germination	No germination
Viable (%)	2.777	0.064
Non-viable (%)	6.448	0.003
1st of germination	No germination	No germination
Day 16		
Germination (%)	No germination	No germination
Viable (%)	8.820	0.001
Non-viable (%)	8.882	0.001
1st of germination	No germination	No germination

Table S2. Percent of seeds that germinated for the six plant species, across six anaerobic digestion incubation time periods (1, 2, 4, 8, 12, and 16 days). This table contains the numerical data presented in Figure 2. Different letters indicate percent germination values that are significantly different ($p < 0.05$).

	Germination (%)					
Incubation Time (d)	***Triticum aestivum***	***Sorghum bicolor***	***Schouwia purpurea***	***Polygonum equisetiforme***	*Amaranthus viridis*	*Lotus arabicus*
Control	100.0 ± 0 [a]	97.8 ± 0 [a]	73.3 ± 1.8 [b]	86.7 ± 0 [a]	60.0 ± 6.3 [b]	10.0 ± 0.0 [a]
1	43.3 ± 3.7 [b]	20.0 ± 0.1 [b]	90.0 ± 2.6 [a]	3.3 ± 2.4 [c]	65.9 ± 1.4 [b]	1.7 ± 1.4 [b]
2	21.7 ± 3.6 [c]	10.1 ± 3.7 [c]	56.7 ± 1.4 [c]	9.1 ± 2.8 [b]	74.8 ± 7.7 [a]	0 ± 0 [c]
4	11.9 ± 2.7 [d]	6.7 ± 2.4 [d]	8.9 ± 1.3 [d]	0 ± 0 [d]	63.8 ± 1.8 [b]	2.2 ± 1.8 [b]
8	9.8 ± 3.4 [d]	6.5 ± 1.8 [d]	1.7 ± 0 [e]	0 ± 0 [d]	35.2 ± 4.6 [c]	0 ± 0 [c]
12	0 ± 0 [e]	0 ± 0 [e]	0 ± 0 [f]	0 ± 0 [d]	0 ± 0 [d]	0 ± 0 [c]
16	0 ± 0 [e]	0 ± 0 [e]	0 ± 0 [f]	0 ± 0 [d]	0 ± 0 [d]	0 ± 0 [c]

Table S3. One-way ANOVA results for the three culture condition parameters, across six anaerobic digestion incubation time periods (1, 2, 4, 8, 12, and 16 days). This table shows the statistical analysis of the data presented in Figure 3.

	F	***P***
Electrical Conductance (EC)	47.337	0.0001
Total Dissolved Solids (TDS)	50.007	0.0001
pH	235.870	0.0001