

1 **Partial organic substitution weakens the negative effect of chemical fertilizer on soil**
 2 **micro-food webs**

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8 **Appendix A** The relative abundance of nematodes at genus level in different
 9 treatments (mean, $n=4$)

Genus	Jointing					Ripening				
	100%N	70% N	Stover	Manure	Biochar	100% N	70% N	Stover	Manure	Biochar
<i>Aphelenchus</i>	5.5	1.8	1.8	2.2	0	0.2	0.2	0	0.2	1.3
<i>Paraphelenchus</i>	0	0.3	0	0	0	13.1	10.9	12.2	10.0	28.5
<i>Aphelenchooides</i>	5.0	7.5	5.5	4.7	5.4	0	0	0	0	0
<i>Dorylaimellus</i>	0	0.8	0.5	0	0.5	0	0	0	0	0
<i>Acrobeles</i>	0.5	0.5	0.2	0.5	1.0	0.7	0.7	1.2	0	0.3
<i>Acrobeloides</i>	9.4	13.6	13.0	16.7	8.7	9.4	11.1	8.4	12.3	6.0
<i>Cephalobus</i>	0	0	0	0	0	0.2	0	0	0	0
<i>Cervidellus</i>	0	0	0	0	0.3	0.5	0	0.2	0.5	0
<i>Discolaimus</i>	0	0	0	0	0	0.2	0.2	0	0	0
<i>Mesodorylaimus</i>	0.5	0	0	0.3	1	4.5	2.2	3.7	2.7	4.8
<i>Helicotylenchus</i>	30.1	19.4	25.3	29.2	21.6	16.5	16.2	18.7	15.9	13.1
<i>Pararotylenchus</i>	0	0	0	0	0	0.5	0	0	0	0
<i>Tylencholaimus</i>	4.3	7.5	7.0	1.2	5.9	21.4	23.0	23.1	26.5	18.8
<i>Deladenus</i>	0	0	0	0	0	0.3	0	0	0	0
<i>Enchodelus</i>	0	0	0	0	0	0.2	0	0	0	0
<i>Pungentus</i>	0	0	0.6	0	0	0	0	0	0	0
<i>Panagrolaimus</i>	0	0	0	0	0	1.3	0.2	0	0	0
<i>Wilsonema</i>	0	0	0	0	0	0	0.2	0	0	0
<i>Hirschmanniella</i>	0	0	0	0	0	0.3	0	0	0	0
<i>Hoplotylus</i>	0	0	1.3	0	0	0.2	0	0	0	0
<i>Pratylenchus</i>	11.0	14.5	14.9	13.4	21.4	15.0	20.4	14.8	19.9	15.5
<i>Prismatolaimus</i>	3.4	0.7	2.2	1.6	3.5	2.5	0.9	2.1	0.7	1.4
<i>Psilenchus</i>	0	0	0	0	0.5	0.7	0.2	0.2	0	0.5
<i>Epidorylaimus</i>	3.8	2.9	1.7	1.7	2.3	1.0	0.9	2.7	3.3	2.9
<i>Eudorylaimus</i>	0	0	0	0	1.0	0	0	0	0	0
<i>Thonus</i>	5.8	5.1	8.5	7.6	5.1	3.0	1.5	0	0	1.7
<i>Rhabditis</i>	5.9	5.1	6.3	9.2	5.1	0.2	0.9	1.0	1.0	2.1

<i>Rotylenchulus</i>	0	0	0	0	0	0.2	0	0	0	0
<i>Laimydrus</i>	0	0	0.3	0	0.3	0	0	0	0	0
<i>Prodorylaimium</i>	0	0	0.3	1.0	0	0	0	0	0	0
<i>Basiria</i>	0	0	0	0	0.5	0	0	0	0	0
<i>Boleodorus</i>	8.6	9.4	5.0	3.95	4.5	2.7	1.8	2.0	1.5	2.8
<i>Coslenchus</i>	5.4	10.	4.5	4.59	4.6	4.0	6.6	8.7	3.4	2.0
<i>Filenchus</i>	0.6	0.4	1.1	1.98	5.2	0	1.6	1.0	2.8	2.9
<i>Tylenchus</i>	0	0	0	0	1.6	0.7	0	0	0	0

10 100% N, the control; 100% nitrogen fertilization; 70% N, 70% nitrogen fertilization;
11 Stover, 70% nitrogen fertilization plus stover; Manure, 70% nitrogen fertilization plus
12 cattle manure; Biochar,70% nitrogen fertilization plus biochar.

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