

Table S1. The genera observed in both samplings (10DAA and 45DAA) with their cp values and respective trophic group (10DAA: ten days after application; 45DAA: forty-five days after application).

Genus	C-p class	Feeding type
<i>Bitylenchus</i>	3	Herbivores - ectoparasites
<i>Boleodorus</i>	2	Herbivores - epidermal/root hair feeders
<i>Helicotylenchus</i>	3	Herbivores - semi-endoparasites
<i>Malenchus</i>	2	Herbivores - epidermal/root hair feeders
<i>Meloidogyne</i>	3	Herbivores - sedentary parasites
<i>Merlinius</i>	3	Herbivores - ectoparasites
<i>Paratrophurus</i>	3	Herbivores - ectoparasites
<i>Pratylenchus</i>	3	Herbivores - migratory endoparasites
<i>Aphelenchoides</i>	2	Fungivores
<i>Aphelenchus</i>	2	Fungivores
<i>Ditylenchus</i>	2	Fungivores
<i>Filenchus</i>	2	Fungivores
<i>Paraphelenchus</i>	2	Fungivores
<i>Acrobeles</i>	2	Bacterivores
<i>Acrobeloides</i>	2	Bacterivores
<i>Anaplectus</i>	2	Bacterivores
<i>Cervidellus</i>	2	Bacterivores
<i>Cephalobus</i>	2	Bacterivores
<i>Chiloplacus</i>	2	Bacterivores
<i>Chronogaster</i>	3	Bacterivores
<i>Diploscapter</i>	1	Bacterivores
<i>Domorganus</i>	3	Bacterivores
<i>Drilocephalobus</i>	2	Bacterivores
<i>Eucephalobus</i>	2	Bacterivores
<i>Eumonhystera</i>	2	Bacterivores
<i>Heterocephalobus</i>	2	Bacterivores
<i>Panagrolaimus</i>	1	Bacterivores
<i>Plectus</i>	2	Bacterivores
<i>Rhabditis</i>	1	Bacterivores
<i>Aporcelaimellus</i>	5	Omnivores
<i>Eudorylaimus</i>	4	Omnivores
<i>Dorydorella</i>	4	Omnivores
<i>Mesodorylaimus</i>	4	Omnivores
<i>Microdorylaimus</i>	4	Omnivores
<i>Prodorylaimus</i>	4	Omnivores
<i>Thonus</i>	4	Omnivores

Table S2. Dissimilarity percentages between treatments and results of Similarity Percentage analysis (SIMPER) based on Bray-Curtis. Genera accounting for ~ 70% of overall dissimilarity are ranked in order of importance of their contribution. The upper right half of the table refers to the first sampling (10DAA) and the lower left half of the table refers to the second sampling (45DAA) (DAA: days after application). For every treatment n=5.

OMW	ctrl		10%		35%		70%		100%	
ctrl	-	ctrl vs 10% = 55.68		ctrl vs 25% = 47.35		ctrl vs 75% = 49.10		ctrl vs 100% = 40.39		
		Aphelenchus	31,87	Aphelenchus	24,49	Aphelenchus	33,25	Aphelenchus	29,91	
		Chiloplacus	49,6	Acrobeloïdes	48,01	Acrobeloïdes	54,69	Acrobeloïdes	49,87	
		Acrobeloïdes	63,99	Chiloplacus	59,87	Chiloplacus	67,98	Chiloplacus	58,99	
		Ditylenchus	74,08	Eucephalobus	67,95	Pratylenchus	74,28	Pratylenchus	66,74	
				Pratylenchus	75,85			Ditylenchus	72,48	
10%	ctrl vs 10% = 35.81		10% vs 25% = 42.05		10% vs 75% = 31.91		10% vs 100% = 40.38			
	Aphelenchus	33,98	Aphelenchus	22,7	Aphelenchus	26,41	Aphelenchus	24,28		
	Ditylenchus	49,74	Chiloplacus	43,48	Chiloplacus	42,24	Chiloplacus	47,19		
	Acrobeloïdes	64,68	Acrobeloïdes	58,72	Ditylenchus	52,81	Ditylenchus	57,74		
	Chiloplacus	71,82	Ditylenchus	66,8	Acrobeloïdes	60,65	Acrobeloïdes	67,55		
			Pratylenchus	73,14	Pratylenchus	67,23	Bitylenchus	73,71		
35%	ctrl vs 25% = 46.37		10% vs 25% = 33.01		25% vs 75% = 40.76		25% vs 100% = 38.67			
	Aphelenchus	48,28	Aphelenchus	40,13	Aphelenchus	27,5	Acrobeloïdes	22,36		
	Ditylenchus	59,89	Acrobeloïdes	52,61	Acrobeloïdes	46,27	Aphelenchus	44,24		
	Acrobeloïdes	69,41	Ditylenchus	64,66	Chiloplacus	60,94	Chiloplacus	54,25		
	Chiloplacus	75,74	Chiloplacus	71,31	Pratylenchus	69,49	Pratylenchus	63,81		
					Eucephalobus	76,99	Eucephalobus	72,48		
70%	ctrl vs 75% = 65.40		10% vs 75% = 53.12		25% vs 75% = 43.87		75% vs 100% = 37.78			
	Aphelenchus	53,8	Aphelenchus	52,04	Aphelenchus	45,84	Aphelenchus	30,46		
	Acrobeloïdes	63,7	Chiloplacus	62,98	Chiloplacus	57,95	Chiloplacus	45,46		
	Chiloplacus	73,15	Acrobeloïdes	72,73	Ditylenchus	68,89	Acrobeloïdes	59,81		
			Acrobeloïdes	79,19			Pratylenchus	67,66		
							Ditylenchus	73,18		
100%	ctrl vs 100% = 62.42		10% vs 100% = 51.03		25% vs 100% = 42.28		75% vs 100% = 36.49			
	Aphelenchus	59,6	Aphelenchus	56,06	Aphelenchus	49,03	Aphelenchus	46,38		
	Aphelenchoides	67,69	Aphelenchoides	64,67	Aphelenchoides	58,01	Acrobeloïdes	58,41		
	Ditylenchus	73,59	Acrobeloïdes	72,8	Acrobeloïdes	66,4	Chiloplacus	66,22		
				Ditylenchus	73,84	Ditylenchus	74			