

Sena et al., 2027. Fungicide exposure reshapes gut-associated fungal communities without altering short-term feeding activity in a Neotropical shredder. *Limnetica* 46(2), 2027

SUPPLEMENTARY INFORMATION

Table S1. General aspects and macroscopic identification of fungal colonies. *Aspectos gerais e identificação macroscópica das colônias fúngicas.*

Colony relief	Colony texture	Pigmentation pattern
Cerebriform	Cottony (algodonous)	Only on the surface
Rugose	Furfuraceous	Only on the reverse
Apiculate	Floccose (downy)	On surface and reverse
Crateriform	Granular or pulverulent	Diffusible into the medium
—	Velvety	Not diffusible into the medium
—	Membranous	Present in spores, absent in hyphae
—	Glabrous	—
—	Creamy	—

Table S2. Results of the Permutational Multivariate Analysis of Variance (PerMANOVA) based on the fungal community. *Resultados da Análise de Variância Multivariada Permutacional (PerMANOVA) baseada na comunidade fúngica.*

	DF	Sum of squares	R ²	F	p-value
PERMANOVA					
Treatment	1	4.65	0.103	2.06	0.015
Residual	18	40.70	0.897		

Table S3. Frequency of occurrence of fungal morphotypes in the larval gut of *Phylloicus* sp. exposed to unconditioned and Preconditioned leaf discs. *Frequência de ocorrência dos morfotipos fúngicos no intestino de larvas de Phylloicus sp. expostas a discos foliares não condicionados e pré-condicionados.*

Morphotype	Leaf discs	Preconditioned leaf discs
M1	1	2
M2	0	1
M3	3	5
M4	1	0
M5	2	1
M6	1	0
M7	1	0
M8	0	8
M9	1	1
M10	2	1
M11	1	0
M12	1	0
M13	3	1
M14	3	2
M15	0	1
M16	2	2
M17	2	1
M18	2	0
M19	2	4
M20	0	1

Table S4. Results of the Generalized Linear Models (GLMs) testing the effects of treatments (leaf discs and preconditioned leaf discs) on fungal richness in the larval gut (number of morphotypes, a) and leaf litter consumption (b) by *Phylloicus* sp. larvae.
Resultados dos Modelos Lineares Generalizados (GLMs) testando os efeitos dos tratamentos (discos foliares e discos foliares pré-condicionados) sobre a riqueza fúngica no intestino larval (número de morfotipos, a) e o consumo de serapilheira foliar (b) por larvas de Phylloicus sp.

	Chisq	DF	Pr(>Chisq)
GLM			
a. Richness			
Treatment	0.152	1	0.696
b. Leaf litter consumption			
Treatment	0.176	1	0.675