

Supplementary Materials: Acetamiprid Affects Destruxins Production but Its Accumulation in *Metarhizium* sp. Spores Increases Infection Ability of Fungi

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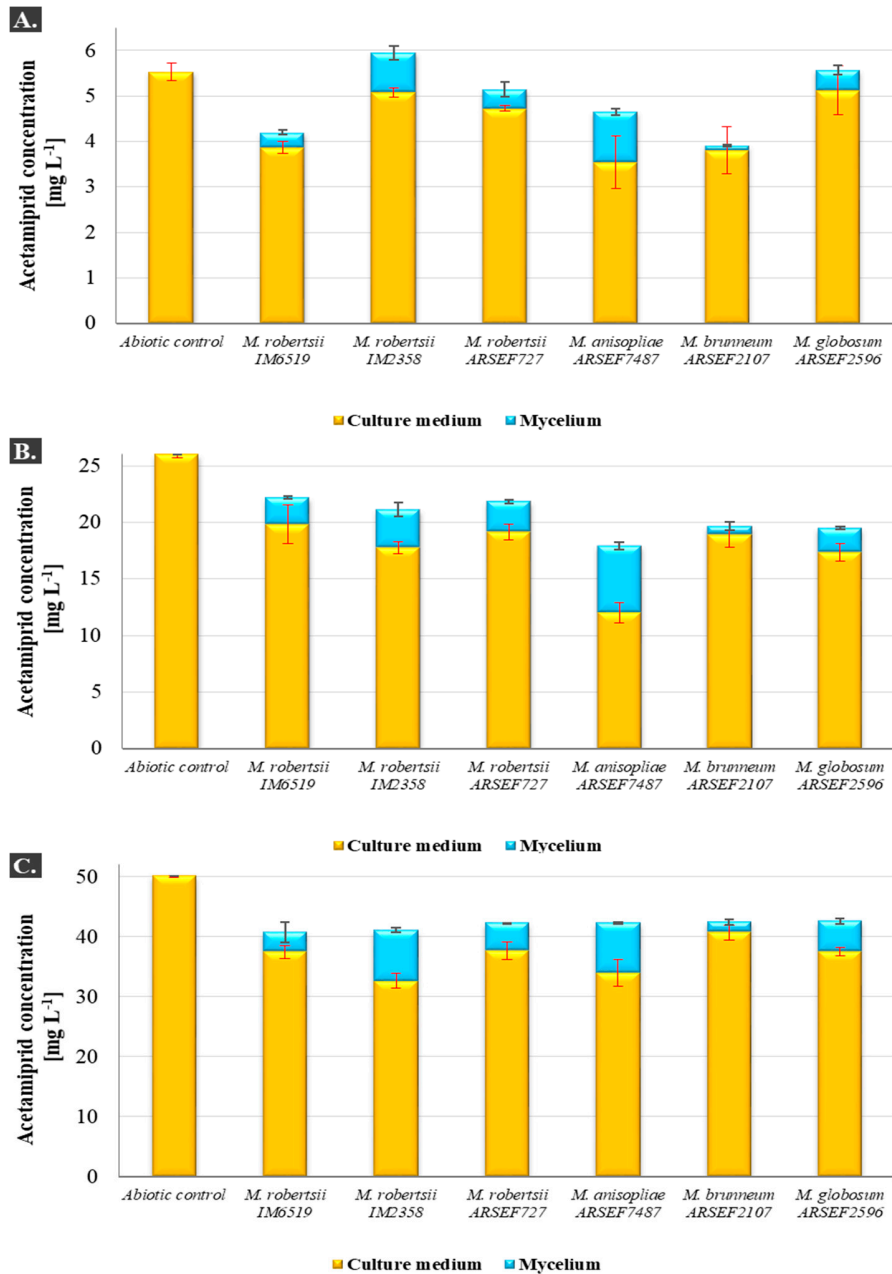


Figure S1. Elimination of acetamiprid at the concentrations of 5 (A), 25 (B) and 50 mg L⁻¹ (C) after 7 days of incubation by *Metarhizium* sp. considering the residual content in the culture medium and mycelium.

Table S1. Effect of acetamiprid on the permeability of the *Metarhizium brunneum* ARSEF2107 fungal cell wall.

Propidium Iodide Fluorescence	
Control	3162.01 ± 306.53
ACET 5 mg L ⁻¹	3755.66 ± 527.62
ACET 25 mg L ⁻¹	3877.92 ± 559.02
ACET 50 mg L ⁻¹	3643.73 ± 318.41

Table S2. Multiple Reaction Monitoring (MRM) parameters for determining 19 types of destruxins.

No.	Destruxin	Q1 Mass (Da)	Q3 Mass (Da)	Retention Time (min)	Collision Energy [V]	Declustering Potential [V]	Entrance Potential [V]	Collision Cell Exit Potential [V]
1.	A	578	437 178	3.19	41 51	106	10	14
2.	B	594	453 194	3.28	45 38	106	10	14
3.	C	610	469 210	2.89	40 32	106	10	14
4.	D	624	483 224	2.97	30 40	106	10	14
5.	Ed	612	417 212	3.04	32 40	106	10	14
6.	F	596	455 196	3.1	38 45	106	10	14
7.	A1	592	451 192	3.24	38 45	106	10	14
8.	B1	608	467 208	3.15	32 40	106	10	14
9.	Ed1	626	485 226	2.96	30 40	106	10	14
10.	A2	564	423 178	3.13	43 51	106	10	14
11.	B2	580	439 194	3.23	41 45	106	10	14
12.	D2	610	469 224	2.88	32 40	106	10	14
13.	A3	566	425 166	3.18	43 53	106	10	14
14.	DesmA	564	437 178	3.12	41 51	106	10	14
15.	DesmB	580	453 194	3.24	38 45	106	10	14
16.	DesmC	596	469 210	3.08	32 40	106	10	14
17.	DesmB2	566	439	3.2	41	106	10	14

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18.	CL	630	489 230	3.12	30 40	106	10	14
19.	E2CL2	616	475 230	3.07	32 40	106	10	14