



Beneficial Microbes to Optimize pest control in Sustainable Tomato production

**BeMOST
HFRI-FM17-50**

D2.2 Plant-mediated effects of BM (fungi/bacteria) on natural enemies' performance (CO)

Summary

D2.2 is a deliverable of WP2 which aims to identify beneficial microbes that induce tomato resistance against herbivores that are also compatible with biological control agents. The objectives to achieve this are:

- 2.1. To study the effects of selected beneficial microbes on organisms belonging to the third trophic level (i.e., predators/parasitoids - tri-trophic interactions);
- 2.2. To identify promising beneficial microbe strains per arthropod species that enhance biological control with natural enemies (predators, parasitoids) – indirect resistance.

In the context of the WP2 objectives, D2.2 reports on the effects of microbe-induced resistance on the performance of natural enemies towards plants infested with BeMOST herbivores.

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