



Beneficial Microbes to Optimize pest control in Sustainable Tomato production

**BeMOST
HFRI-FM17-50**

D5.3 Effects of BM-mediated biocontrol on plant production (CO)

Summary

D5.3 is a deliverable of WP5 which investigates the efficacy of microbe-induced tomato resistance against arthropod pests under greenhouse conditions. The objectives to achieve this are:

- 5.1. To evaluate selected beneficial microbes to induce effective resistance against herbivores in the field;
- 5.2. To evaluate the outcome of biological pest control with selected microbes and natural enemies;
- 5.3. To demonstrate technical feasibility of microbial application and assess effects on plant production.

In the context of the WP5 objectives, D5.3 reports on the greenhouse experiments conducted to assess the plant-mediated effects of selected microbes exerting plant-mediated negative effects on BeMOST herbivores, on plant performance.

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