

Plant microbiota

Plant health

Productivity

Plant microbiota and plant health

- 1 Nutrient cycling and nutrient uptake
- 2 Plant growth
- 3 Plant defence - Immune system
- 4 Plant interactions - humans, plants, animals, insects, microbes, pathogens, etc.

(Flandroy L., et al., 2018)

Plant microbiota's role

Plant microbiota



Plant health

Productivity

Plant microbiota contributes to:

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- 2 Plant growth
- 3 Immune system & plant defense
- 4 Plant interactions with humans, plants, animals, insects, microbes, pathogens, etc.

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Plant microbiota and plant health

The plant microbiota has been known to be one of the key determinants of plant health and productivity for more than a century.

Its impact can be summarized as five key roles:

- 1. improving nutrient acquisition and growth,*
- 2. sustaining plant growth under biotic and/or abiotic stress*
- 3. inducing resistance against pathogens*
- 4. interacting with plant or human pathogens, and*
- 5. interacting with other trophic levels like insects*

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