

Syngenta joins the Phytobiomes Alliance

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Phytobiome is a collective term for plants within a specific growing environment, for example soil, and the complex interactions influenced by microbes, nutrients, animals, climate, weather, and management practices. This complex and dynamic ecosystem plays a crucial role in the health and functioning of crops, affecting their growth and overall well-being. For example, beneficial microbes in the phytobiome provide essential aid to plants, such as protection against pathogens and acquisition of nutrients. At the same time, there can also be elements of the phytobiome that cause diseases or stress to the plants, such as pathogenic microbes, high heat, or low water availability.

Interactions within the phytobiome are highly complex, with much of it yet to be fully understood. Through its partnership with the Phytobiomes Alliance, Syngenta will contribute towards international research into understanding the interactions of the phytobiome's diverse components. The results of these studies will play a pivotal role in ensuring sustainable food security for a growing population over the next decades.

In a key aspect of this collaboration, Syngenta will lead a dedicated working group focused on soil health. Furthermore, Syngenta will work with fellow Alliance partners to identify focus areas for the development of cutting-edge biological solutions and support science-based regulations that facilitate farmers' access to the biological products they need.

Syngenta invests significantly in delivering new solutions that improve farming's environmental footprint. From novel technologies that precisely address farmers' pest challenges to biologicals that improve a plant's ability to leverage available nutrients, Syngenta is at the forefront of agriculture's transformation. Its participation in the International Phytobiomes Alliance reflects its strong commitment to be a collaborator of choice.