

Three Benefits of the Rhizophagy Cycle

Plants Absorb Nutrients from Microbes

The plant actively controls the internalization of the microbes into its root cells, it maximizes nutrient extraction, and then ejects the protoplast cells.

Increased Oxidative Stress Tolerance in Plants

Increased reactive oxygen activity in root cells stimulate the plant to create antioxidants which protect against cell damage, support overall health, and promote growth and development.

Soil Fungal Pathogens Have Reduced Virulence

This happens because the plant's root exudates and the reactive oxygen produced during the rhizophagy cycle can inhibit the growth and activity of these pathogens.