

HOW DOES **ROOT** WORK?



01

BENEFICIAL BACTERIA

These **seven different strains** of highly concentrated natural bacteria:

- **absorb nitrogen (N_2) from the air in the soil and break it down into nitrate (NO_3) and ammonia (NH_3),** making these essential elements easier for uptake by the plants root system.
- **solubilize otherwise insoluble phosphorous (P) molecules in the soil** which increases the availability of this macro nutrient.

02

MYCONATE®

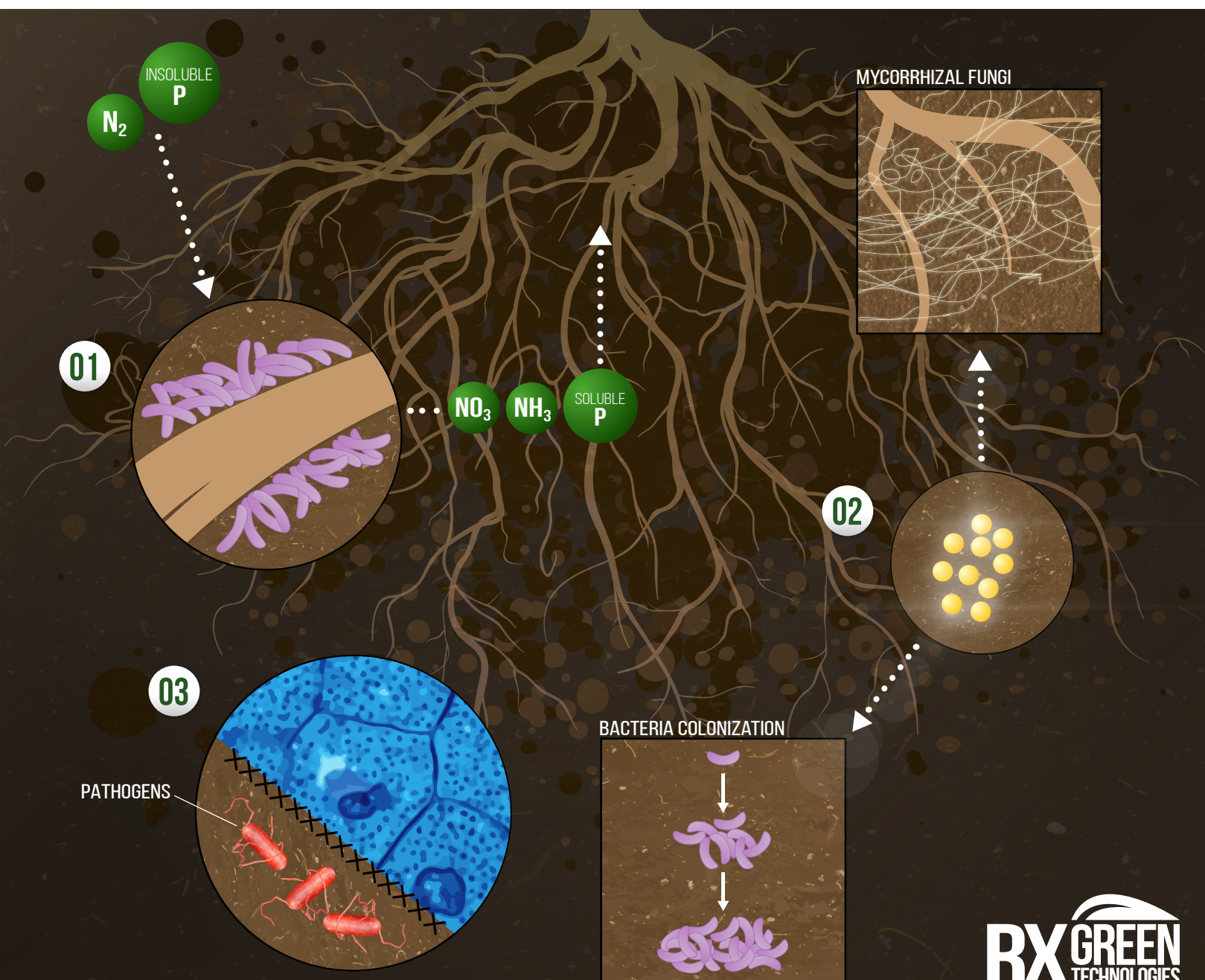
The Myconate (Formononetin) technology is a signaling molecule that **activates bacteria colonization on the plant's roots as well as stimulating the growth of mycorrhizal fungi*** when present in the soil.

**Mycorrhizal fungi are important because they form a symbiotic relationship with the plant's roots; they provide nutrients to the plants and assist in water uptake, while the plant's roots emit sugars and carbs needed by the bacteria.*

03

TRICHODERMA

Trichoderma is a fungal spore that acts like a bacteria and **defends the plants root system from attack by pathogens in the soil.**



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