



What are mycorrhizal propagules?

Propagules are an average count of colony forming spores, hyphae and root fragments per gram. Spores act as a mycorrhizal seed that will germinate in the presence of a host plant. Hyphae is the fungal body that acts as a cutting, being able to quickly colonize a root system.

Why are root fragments considered a part of the propagule count?

Endo mycorrhizae, also known as Arbuscular Mycorrhizal Fungi (AMF), form a symbiotic relationship within the root cell. Ecto mycorrhizae also form symbiosis but are not arbuscular, they tend around the outside of root cells. Endo mycorrhizae are able to produce spores and hyphae within roots, all viable sources of mycorrhizae that can colonize a root system upon application.

What type of mycorrhizae is right for my garden?

Propagules are the most up to date form of mycorrhizal accounting. Be aware of the figures shown when you are buying mycorrhizal inoculants. Not all mycorrhiza is created equal! Ecto mycorrhizae only tend to associate with conifers, oaks and other forestry trees. They will also pull nutrients from rich areas to feed hungrier trees and shrubs. To make sure your garden plants are getting their nutrients, inoculate with Endo for best results!

Endo mycorrhizae forms a symbiotic relationship with over 95% of plant species. That includes your most popular types of plants like tomatoes, peppers, fruit trees, herbs, flowers, leafy greens, cannabis, hemp, native plants, grass and ground covers, and many other types of wonderful plants. It is honestly easier to name off the 5% it does not associate with!

There is a family of plants that are completely not mycorrhizal and that is the Brassicas. That includes but not limited to Beet, Broccoli, Brussels, Sprouts, Cabbage, Cauliflower, and Kale. There is something about these plants that do not need the help from mycorrhiza so do not bother trying to inoculate your Kale!

Blueberries are some of a small few of plant varieties that are mycorrhizal but only associate with a very specific species of mycorrhizal fungi. That species is known as Ericoid mycorrhiza. Cranberry, Huckleberry, and Lingonberry are also a few of the plants that only associate with Ericoid.

Please feel free to contact us if you have any questions about mycorrhizae and if you want to find out a more detailed list of mycorrhizal plants.

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