

## Benefits for the Host Plant Attributed to the Ectomycorrhizal Fungi in Root Rescue Transplanter



### Ectomycorrhizal Fungi

*Pisolithus tinctorius*

*Rhizopogon species*

*Laccaria species*

*Suillus species*

#### Plant Nutrition Attributes

Can utilize organic forms of nitrogen		X		
Improves N and P uptake			X	
Tolerant of high fertility levels			X	
High levels of enzyme activity benefiting nutrient and micronutrient acquisition		X		

#### Plant Growth and Establishment

Rapid early growth of inoculated tree species	X	X	X	X
Benefits plants in disturbed environments and acid soils	X	X		
Promotes successful plant establishment and growth	X	X		
Increases feeder root production	X		X	

#### Heat and Drought Tolerance

Tolerant of hot, dry conditions	X	X		
Protects seedlings against moisture stress		X		
Prolific rhizomorph producer improves performance in hot, dry conditions		X		X
Decreases drought stress		X	X	X

#### Suppression of plant pathogens and root diseases

Inhibits soil pathogen growth and plant infection	X		X	
Protects roots from soil pathogens			X	

#### Soil Physical and Chemical Conditions

Amelioration of heavy metal toxicity	X		X	
Promotes soil structure		X		
Tolerant of cold soil temperatures		X		
Tolerant of a broad pH range		X	X	
Improves restoration of degraded soils	X	X		X

The information in this table is a summary of a recent analysis of peer-reviewed scientific journal articles on the topic of mycorrhizal fungi and their benefits to plants. This table is updated periodically, as new studies are published. Please contact Bob Reeves at Root Rescue for more information: [bob@rootrescue.com](mailto:bob@rootrescue.com)

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