

Summary of Biochar Studies Results

Claim	Supported by	Citation
Microbial biomass increases 15%- 40%	Global meta-analysis	<u>Reduced rooting depth, poor infiltration, turf decline</u>
Enzyme activity improves	Global meta-analysis + dryland study	<u>Biochar increases soil microbial biomass with changes in extracellular and intracellular enzyme activities; a global meta-analysis</u>
Mycorrhizal response increases 20% -70%	Field + controlled studies	<u>Co-application of biochar and phosphorus increases soil microbial biomass, mycorrhizal colonization, growth, and nutrition of subterrean clover</u>
Nutrient retention improves across soil types	Global review	<u>Biochar Amendments for Soil Restoration: Impacts on Nutrient Dynamics and Microbial Activity</u>