



Effect of different biochars on Nitrogen uptake in poplar trees

Elizabeth George, Giustino Tonon, and Francesca Scandellari

Italy (elizabeth.george@unibz.it)

Influence of biochar on soil nitrogen transformation and plant uptake has been reported. This paper presents preliminary results of plant N uptake in poplars by using ^{15}N isotope tracer approach. Two types of biochar were applied to two sets of pots containing only sand and each pot received a pre-rooted poplar cutting. Half of the pots were inoculated with commercial mycorrhizal gel and the other half were left without. It is intended to provide information on how biochar, mycorrhiza and root interaction mediate nitrogen uptake and organ allocation.