

# Evaluation of the lignolytic effect of the white-rot fungi *Ceriporiopsis* sp, *Pleurotus* sp, and *Phlebia* sp on industrial *Pinus radiata* logs

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Pretreatment of *Pinus Radiata* logs with the white-rot fungi *Ceriporiopsis* sp (9C), *Pleurotus* sp (9P), and *Phlebia* sp (24P), under field conditions was studied. The lignin content was evaluated by gravimetric techniques (Klason lignin), FFIR spectroscopy, and gas chromatography. A control sample and samples treated for 90 days with each of the fungi were analyzed. The ability of the fungi to degrade the lignin was in the order *Phlebia* sp (24P) > *Ceriporiopsis* sp (9C) > *Pleurotus* sp (9P). Copyright © Taylor & Francis, Inc.