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Croatian Journal of Forest Engineering, Vol.26 No.2 Prosinac 2005.

Izvorni znanstveni članak

Ergonomic parameters of the work of integrated technologies at timber harvesting

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Sažetak

The trend of fully mechanized timber harvesting with harvester technologies requires the evaluation of ergonomic parameters of workers' activities and the impact of machine technologies on natural environment. The aim is to prove the need of modernization of harvesting-transport process in forests because of a big amount of reserves in fields of effectiveness, ecology and safety and health protection at work. In this work, the noisiness of integrated technology of harvester FMG 990 Lokomo and forwarder Timberjack 1110D in the relation with the distance and working operation was evaluated. Besides this, dosimetric measurements of noise stress of the operator of harvester and forwarder were performed. Following these data, 8 hours noise exposition of workers was calculated and these were compared with maximal allowed values that are assessed by the valid legislative of Slovak Republic.

Ključne riječi

noise; harvester; forwarder



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