



Početna stranica  
Abecedni popis časopisa

Časopisi po područjima  
Prirodne znanosti  
Tehničke znanosti  
Biomedicina i zdravstvo  
Biotehničke znanosti  
Društvene znanosti  
Humanističke znanosti

Uredništva  
Prijava novog časopisa



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

Izvorni znanstveni članak

### Research of fir-wood dust concentration in the working environment of cutters

Dubravko Horvat  
Ankica Čavlović  
Željko Zečić  
Marijan Šušnjar  
Ivan Bešlić  
Velimira Madunić-Zečić

Puni tekst (Engleski) Str. 85 - 90 (pdf, 129.33 KB) downloads: 292

#### Sažetak

This paper shows the results of measurement of daily exposure of cutters to respirable particles and total fir-wood dust during cutting and processing of dead standing fir-trees. The separators of non-respirable fraction (cyclones) are designed so as to imitate the separation of respirable particles in the respiratory system of a healthy adult person, with a medium efficiency (50 %) with aerodynamic diameter of 5  $\mu\text{m}$ . The mean value of mass concentration of total fir-wood dust was  $(1.29 \pm 0.419)$  mg/m<sup>3</sup> and of respirable fraction  $(0.564 \pm 0.154)$  mg/m<sup>3</sup>. The results of this research show that no measured value (N = 26) in cutting and processing fir-trees exceeds the Croatian limit values (maximum permissible concentrations) for wood dust of softwood broadleaved species and conifers.

#### Ključne riječi

firwood; wood dust; mass concentration; cutter; working environment



Pretraživanje članaka

traži

Napredno pretraživanje

Upute za pretraživanje

Moj profil

Registracija novih korisnika

Korisnička oznaka (email)

Lozinka

prijava

Zaboravili ste lozinku?

Posjeta: 535 (od 01.01.2007.)

Scientific Commons

