



Croatian Journal of Forest Engineering, Vol.28 No.2 Prosinac 2007. Početna stranica Abecedni popis časopisa Pretraživanje članaka Izvorni znanstveni članak Časopisi po područjima Evaluation of two harvesting systems for the supply of wood-chips in Norway spruce forests Prirodne znanosti affected by bark beetles Tehničke znanosti traži Biomedicina i zdravstvo **Tobias Cremer** Borja Velazquez-Marti Napredno pretraživanje Biotehničke znanosti Društvene znanosti Puni tekst (Engleski) Str. 145 - 155 (pdf, 274.83 KB) downloads: 439 Upute za pretraživanje Humanističke znanosti Sažetak Moj profil For sanitary reasons, spruce trees affected by bark beetles (Ips typographus L.) should be re-moved out Uredništva of the stand as soon as possible, to avoid the propagation of the beetles to healthy trees. One Prijava novog časopisa Registracija novih korisnika possibility, to utilize the accruing crown material in a reasonable way (instead of burning it) could be, to use it as wood-chips for biomass heating plants. The aim of this project was therefore to determine the Korisnička oznaka (email) productivity of two harvesting and processing systems for wood-chips as a joint-product of round wood in Norway spruce (Picea abies L.) forests affected by bark beetles. Two systems with different sorting criteria were studied: processing of sawlogs, pulpwood and wood-chips (System A) in comparison to Lozinka the process-ing of only sawlogs and wood-chips (System B). In System A, the energy wood was chipped with a chipper mounted on a forwarder that was working directly in the stand. In System B, the material to be chipped was previously concentrated along the forest road with a forwarder, and a chipper prijava mounted on a truck was used for chipping. In System A, 0.18 t of dried chips could be harvested per m3 of round wood, and in System B Zaboravili ste lozinku? 0.26 t of dried chips per m3 of round wood. The cost of chipping in the stand was 4.74 ./m3 of chips and the cost of chipping along the forest road after transporting the chipping material by a forwarder was 5.63 ./m3 of chips. Therewith, a cost-covering supply of wood-chips may be obtained out of such stands. Concerning the ratio of energy input to energy output it can be said that the systems required 1.5% and ScientificCommons 2% of energy output that was obtained using the respective system. Ključne riječi biomass; wood-chips; Picea abies; bark beetle



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