

Muscle load in chainsaw operators during use of protective clothing

INOUE Kouki YOSHIOKA Takuyuki SUGIURA Katsuaki

(Coll.of Bioresource Sciences Nihon Univ.)

Work-related accidents in forestry operations often occur during manual chainsaw felling operations. Modifications are therefore being made to protective clothing for chainsaw operators. However, the significant bulk and thermal insulation imposed on operators by newly developed protective clothing has limited its use.

In the present study, we conducted a survey to measure muscle load in chainsaw operators during use of protective clothing, as well as its ease of use and other factors.

We herein report the survey results with a discussion on the future use of protective clothing.