

Title: Differences in Physical Work Load of Forestry Operations Between Female and Male Workers

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Keywords: mechanized operation, motor manual operation, work on board, work on the ground, sexual differences

Physical work loads of several forestry operations were investigated to clarify the differences between female and male workers. To achieve this objective, the physical workloads of four female workers and four male workers were measured under two types of operations: one was a mechanized operation consisting of a harvester, forwarders, grapple loaders and a cable yarder, while the other was a motor manual or manual operation on the ground with chain saws, bush cutters and choker ropes. The result revealed that the workloads in mechanized operations are significantly lower than that in motor manual or manual operations. Moreover, there is a tendency for female worker's workloads in mechanized operations to decrease compared with male workers. This tendency is significant at 10 percent significant level. It can be deduced from this result that male workers spend their physical power unnecessarily even if they are working on machines.