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title

The Technologies of Harvesting and Timber Hauling in Conditions of Honduras

(Technologie těžby a dopravy dříví v podmínkách Hondurasu)

Summary

The aim of this diploma work was to evaluate community forestry most complexly possible in the example of Agroforestry Cooperative - Community of Toncontin. This cooperative uses 1 810 ha of forests in the northern coast of Honduras.

The principal product which is possible to obtain from the forest of cooperative is the sawn wood. For the production of sawn wood there are used three technologies. In all of cases it treats about the production of sawn wood in the same place of stump of tree. For the production it is possible to use hand saw, chain saw or chain saw with metal frame.

The technical and economical evaluation of the technology of production of sawn wood with chain saw and frame was one of the principal objectives of this diploma work. For the technical evaluation was taken the snaps of time consumption and were calculated the percentage of use of raw material, the consumption of fuel and oils and performance per hour and per hour and worker. The results of technical evaluation were compared with the known results of other technologies. In the part of economical evaluation of technology were calculated the all costs (depreciation, labor costs, legalization, administration, transport, consumption of fuel etc.). Like a difference between the total of costs and the income was calculated the profit of cooperative. It was known that the technology is paying.

Based on the results of technical and economical evaluation of technology was elaborated the proposition of the increase of economical efficiency by more rational using of technology.