

Study of time and cost of tree cut by Eshtyl chain saw (case study: series two of Veysar, Golband forty five watershed, Nowshahr)

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Abstract Study of time and cost of tree cut by Eshtyl chain saw (case study: series 2 of Veysar, Golband 45 watershed, Nowshahr) The most important problems arising Exploitation of forest are damages that because of improper Exploitation activities create. is considered as one of the most critical and most difficult part of the Exploitation process and is a very important component of Exploitation systems that included cut and dropping factors, cropping and Crown cutting. Generally, in the northern forests of Iran by cutting is done chain saw. However, research is needed to evaluate the performance of the device. Therefore, determining factors affecting on the time and cost of cut by Eshtyl chain saw parcels 11 and 12 of series 2 of Veysar and Shora forests was done. In this change, components of one cut cycle was determined and 53 cycles were harvested. Simultaneously, factors like diameter of trees in cut point, distance of marked trees, longitudinal slope, hillside transverse elope, volume and height were determined. After data analysis and mathematical equation to predict outage time, following results were obtained. The best time for cut is as a function of the independent variable of trees diameter in cutting point and the distance between trees per cycle. Statistical validity of the model is proved. Number of cut trees per hour work including delay times 17.5 trees and without delay times was 19.49 trees. Also, poduction rate in cubic meters per hour including delay times 54.92 trees and without delay times was 57.28 trees. In order to determining the cost of cut the Costing model suggested by exploitation plan guideline of jungle organization was used. on the basis of performed calculations cost of cut for per cubic meter wood including delay times was 4102 Rial and without delay times 4278 Rial and cost of cut for each tree including delay times was 13430 Rial and without delay times 120560 Rial.

Keywords : Key words: Time, coast, Eshtyle chainsaw.Nowshahr Golband.

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