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The article discusses harvesting operations in steep terrain. The study deals with mechanical bucking of coniferous and deciduous trees on the standing of the cable crane Syncrofalke. By the standing of cable crane we gathered data of the trees which arrived whole to the processors head and were then processed. We measured diameter at breast height, diameter at half length of each log, quality class by the standards SI and we assessed the length of tree top. Gathered data enable us to study accuracy of crosscutting and its economic impact on log –making, dependence between diameter at breast height and tree value, number of log derived from each tree and volume of average log.