Schönauer M., Hoffmann S., Nolte M., Jaeger D. (2021). Evaluation of a new pruning and tending system for young stands of Douglas fir. Silva Fennica vol. 55 no. 2 article id 10447. https://doi.org/10.14214/sf.10447

Supplementary file S4

Summary of heart rate reserve (%HRR) for two subcycles: *pruning* and *removal* of young Douglas fir. Within the *conventional* system, a handsaw (*pruning*) and a chainsaw (*removal*) were used, whereas an electric pruning shears and the 'Spacer' were used in the *new* system. Presented are the number of observations (n), mean values, standard deviation (SD) and extreme values (min., max.) for each subcycle, element (Table 5) and system.

Subcycle	work element	system	n	mean	SD	min.	max.
pruning	search	conventional	189	41.1	14.6	21.1	73.7
		new	183	36.3	11.2	13.5	68.5
	cutting	conventional	191	41.0	17.4	19.0	80.5
		new	198	31.3	11.3	12.5	70.6
	marking	conventional	189	33.3	13.4	13.5	70.5
		new	150	35.1	12.2	16.9	67.8
removal	search	conventional	158	47.3	16.7	21.1	83.3
		new	152	43.3	17.4	19.7	80.2
	saw work	conventional	161	53.2	16.8	22.7	86.5
		new	159	45.4	17.7	10.7	81.2