Table 4 Dissolved C, total N and base cations leached as affected by various groundcover management practices and different rate of N fertilizer addition in alternative groundcover management plots in a Fraser fir plantation.

Groundcover Management	N-fertilization level	dissolved C	Total N	Ca^{2+}	K^{+}
		----------mg/L----------			
Alfalfa	N_{25}	2.94±0.39 *[a]	20.06±3.35 [a]	62.04 ±6.85[a]	1.36±0.29 [a]
	N_{50}	2.85±0.10 [a]	17.43±2.13 [a]	71.43±6.14 [a]	1.34 ±0.28 [a]
	N_{75}	2.72±0.25 [a]	22.58±4.16 [a]	87.83±7.02 [b]	1.24 ±0.38 [a]
Dutch white clover	N_{25}	2.51±0.20 [a]	21.15±2.46 [a]	69.64±7.99 [a]	1.55 ±0.27 [a]
	N_{50}	2.81±0.12 [a]	23.68±2.93 [a]	76.81±5.51 [a]	1.42 ±0.20 [a]
	N_{75}	2.98±0.18 [a]	28.83±4.04 [a]	82.86±8.01 [a]	1.60 ±0.27 [a]
Conventional	N_{100}	2.50±0.12 [a]	49.84±1.25 [b]	81.43±4.14 [a]	3.00±0.28 [b]

[†]Treatments are: alfalfa with addition of 14 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{25}), alfalfa with addition of 28 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{50}), alfalfa with addition of 48 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{50}), clover with addition of 14 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{25}), clover with addition of 28 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{50}), clover with addition of 48 kg of N ha^{-1} $yr.^{-1}$ (alfalfa N_{50}), and conventionally managed plots that received 54 kg 0f N ha^{-1} $yr.^{-1}$ (CONV). [*] *Treatments with the same letter at each soil depth are not statistically different.*