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	N-fertilization	dissolved C	Total N	Ca ²⁺	$\mathbf{K}^{^{+}}$
Management	level	mg/L			
	N ₂₅	2.94±0.39 *a	20.06±3.35 a	62.04 ± 6.85^{a}	1.36±0.29 a
Alfalfa	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}
	N ₂₅	2.51±0.20°a	21.15±2.46 a	69.64±7.99°a	1.55 ±0.27 ^a
Dutch white	N_{50}	2.81±0.12 a	23.68±2.93 a	76.81±5.51 ^a	1.42 ± 0.20^{a}
clover	N ₇₅	2.98±0.18 a	28.83±4.04 a	82.86±8.01 ^a	$1.60\pm0.27^{\text{ a}}$
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. (alfalfa N₂₅), alfalfa with addition of 28 kg of N ha⁻¹ yr. (alfalfa N₅₀), clover with addition of 14 kg of N ha⁻¹ yr. (alfalfa N₅₀), clover with addition of 14 kg of N ha⁻¹ yr. (alfalfa N₅₀), clover with addition of 14 kg of N ha⁻¹ yr. (alfalfa N₅₀), clover with addition of 48 kg of N ha⁻¹ yr. (alfalfa N₅₀), and conventionally managed plots that received 54 kg 0f N ha⁻¹ yr. (CONV). Treatments with the same letter at each soil depth are not statistically different.