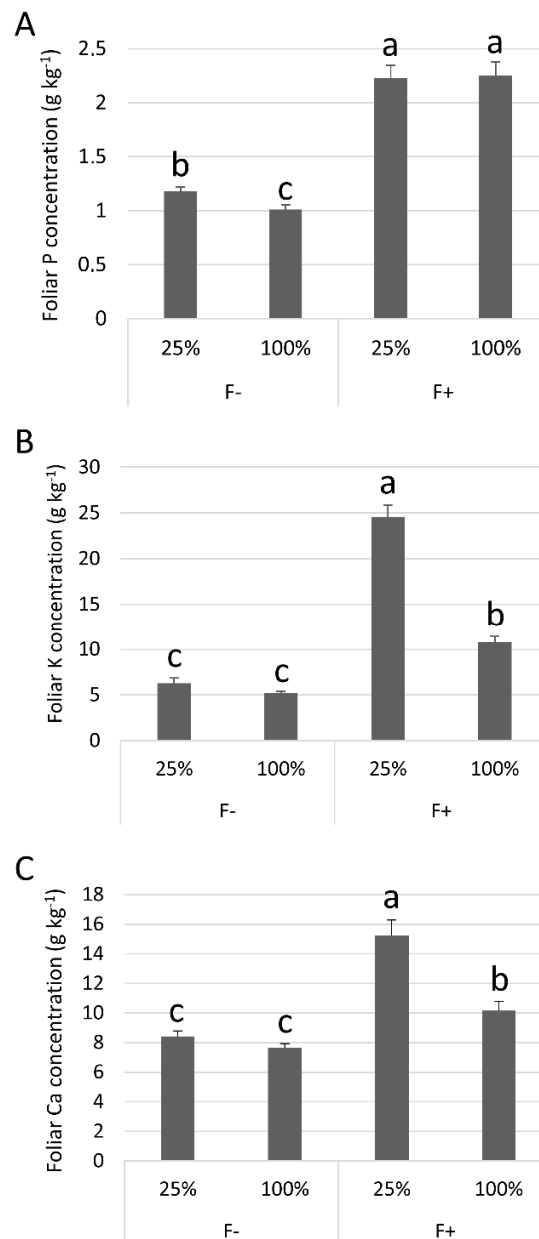


Supplementary data

**Figure S1.** Mean foliar nutrient concentration of black spruce seedlings: (A) P, phosphorus, (B) K, potassium, (C) Ca, calcium according irrigation (25% or 100% water field capacity) × fertilization (F- without, F+ with fertilization). Bars with the same letter indicate a non-significant difference at  $P \leq 0.05$ .



**Figure S2.** Number of initial and adventitious roots with cortical cells collapsed or not for seedlings irrigated at 25% field capacity. C: containerized seedlings (with a restricted initial root system) and DP: deeply-planted containerized seedlings (with initial and adventitious roots restricted in a root plug).

		Number of roots with collapsed cortical cells	Number of roots with non-collapsed cortical cells
C seedling	Initial roots	12	6
	Initial roots	13	5
DP seedling	Adventitious roots	18	0