

## Corrected text for

Ring E., Högbom L., Nohrstedt H.-Ö., Jacobson S. (2015). Soil and soil-water chemistry below different amounts of logging residues at two harvested forest sites in Sweden. *Silva Fennica* vol. 49 no. 4 article id 1265. 19 p.

This correction was posted on the *Silva Fennica* website on 11th of September 2015.

### Abstract, line 13:

Old text:

‘Effects on the exchangeable store of  $\text{Ca}^{2+}$  in the mor layer and the upper 20 cm of the mineral soil was detected at both sites.’

New text:

‘Effects on the exchangeable store of P in the mor layer and the upper 20 cm of the mineral soil was detected at both sites.’

### 3.2 Soil chemistry, page 12, second paragraph, lines 1-8:

Old text:

‘The stores of C, N and P in the mor layer and the upper 20 cm of the mineral soil tended to be higher at Asa than at Turbo, while the stores of  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$  appeared higher at Turbo (Fig. 5). Unlike the stores of  $\text{Mg}^{2+}$ , there was an effect of residue treatment on the  $\text{Ca}^{2+}$  stores at both sites (Fig. 5). Differences in the  $\text{Ca}^{2+}$  store were found between the 2LR and 4LR treatments and the 0LR treatment, and at Turbo, also between the 1LR, 1Needle\_20 and 8Needle\_7 treatments. At Turbo, the  $\text{K}^+$  store differed between the 0LR and 2LR treatments, while no effect could be found at Asa (Fig. 5). The P store displayed the same pattern but in this case effects were found only at Asa and a difference was detected also between the 0LR and 4LR treatments (Fig. 5).’

New text:

‘The stores of C and P in the mor layer and the upper 20 cm of the mineral soil tended to be higher at Asa than at Turbo, while the stores of  $\text{Ca}^{2+}$  appeared higher at Turbo (Fig. 5). At Asa, there was an effect of residue treatment on the  $\text{Ca}^{2+}$  stores (Fig. 5). Differences in the  $\text{Ca}^{2+}$  store were found between the 2LR and 4LR treatments and the 0LR treatment. The P store was significantly higher for the 4LR treatment than the 0LR treatment at both sites. No treatment effects were found for C, N,  $\text{K}^+$  and  $\text{Mg}^{2+}$  at any of the sites.’

### Discussion page 15, third paragraph, line 3-5:

Old text:

‘The soil store of  $\text{K}^+$  in the 2LR treatment at Turbo was different from the store in the 0LR treatment, while no significant difference could be detected for the 4LR treatment (Fig. 5).’

New text:

No new text - the sentence should be deleted.

**Discussion page 15, fourth paragraph, lines 1-9:**

Old text:

‘The studied treatments did not significantly affect the soil pH and the soil stores of C, N, and exchangeable  $Mg^{2+}$  at Asa and Turbo. The effects on the stores of exchangeable  $K^+$ ,  $Ca^{2+}$  and P appeared to differ between the sites (Fig. 5). In the present study, the estimated nutrient contents of the logging residues were of significant magnitude in comparison with the corresponding exchangeable stores in the upper soil. Yet there was no general increase in the soil stores of exchangeable  $K^+$ ,  $Mg^{2+}$ ,  $Ca^{2+}$  and P with increasing residue amount as hypothesized. Furthermore, the soil stores of  $Ca^{2+}$  increased in the 2LR and 4LR treatments compared with the 0LR treatment, while no overall effect of treatment could be detected for the  $Ca^{2+}$  concentration in the soil water during preceding years (Table 2).’

New text:

‘The studied treatments did not significantly affect the soil pH and the soil stores of C, N, and exchangeable  $Mg^{2+}$  and  $K^+$  at Asa and Turbo. In the present study, the estimated nutrient contents of the logging residues were of significant magnitude in comparison with the corresponding exchangeable stores in the upper soil. Yet there was no general increase in the soil stores of exchangeable  $K^+$ ,  $Mg^{2+}$ ,  $Ca^{2+}$  and P with increasing residue amount as hypothesized. Furthermore, the soil stores of  $Ca^{2+}$  increased in the 2LR and 4LR treatments compared with the 0LR treatment at Asa, while no overall effect of treatment could be detected for the  $Ca^{2+}$  concentration in the soil water during preceding years (Table 2).’