

Testing N-strips measuring NO<sub>3</sub>-N using app

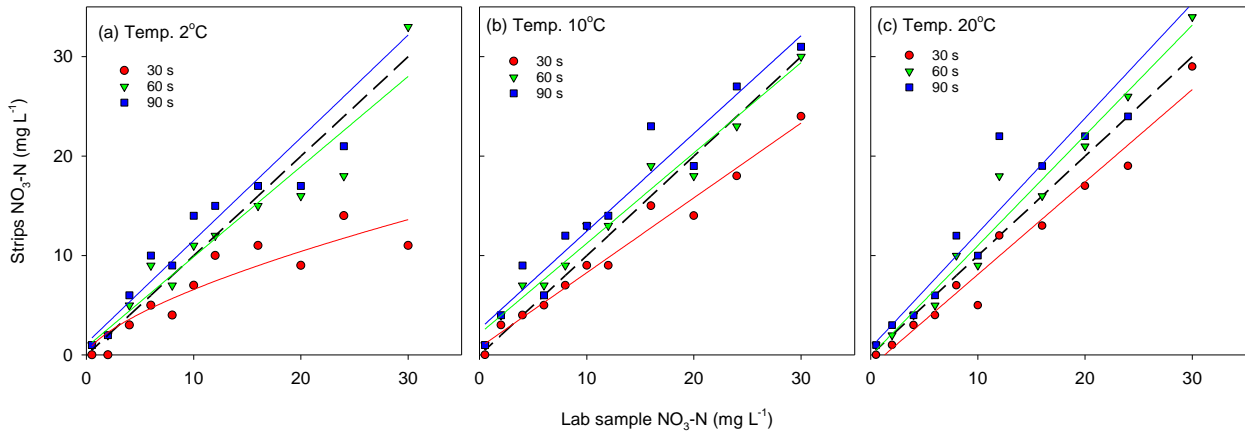


Figure 1. NO<sub>3</sub>-N readings after time 30 sec, 60 sec and 90 sec at water and air temperature of 2°C (a), 10°C (b) and 20°C (c) using lab standard samples. NO<sub>3</sub>-N concentration measured using standard analytical laboratory procedure (x-axis) versus reading of NO<sub>3</sub>-N concentration using strip and app. Dotted line marks 1:1 regression line.

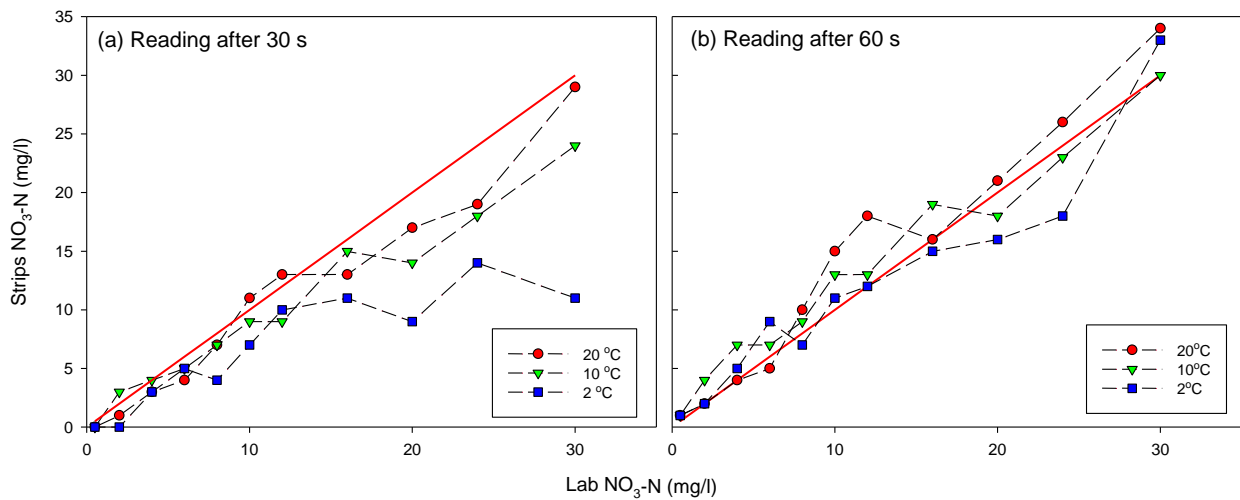


Figure 2. NO<sub>3</sub>-N readings after time (a) 30 sec and (b) 60 sec at water and air temperature of 2°C, 10°C and 20°C using lab standard samples. NO<sub>3</sub>-N concentration measured using standard analytical laboratory procedure (x-axis) versus reading of NO<sub>3</sub>-N concentration using strip and app. Red line marks 1:1 regression line.

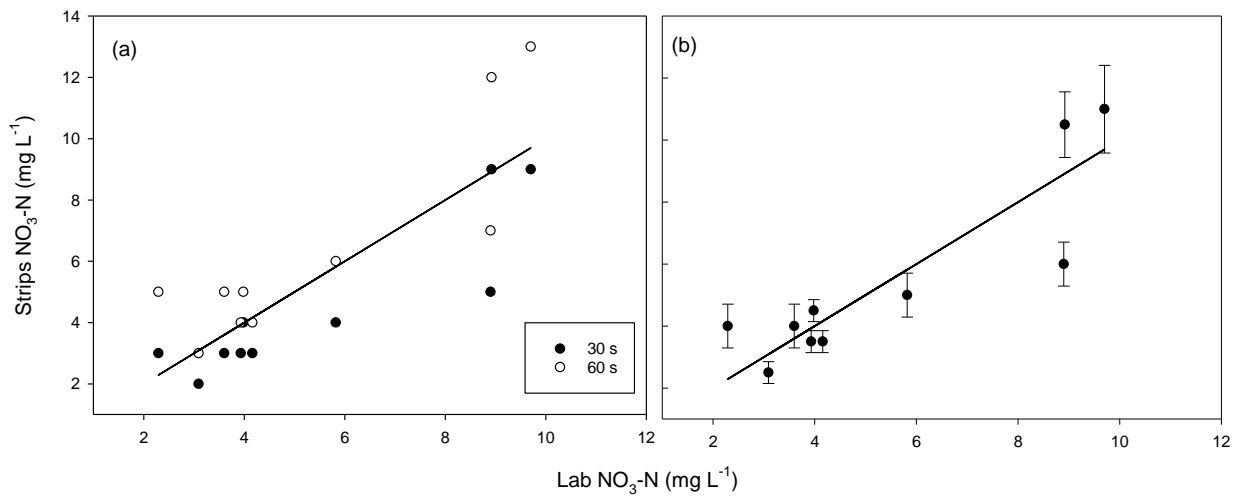


Figure 3. NO<sub>3</sub>-N readings after (a) time 30 sec and 60 sec at water and air temperature of 10°C using field drainage samples, and (b) average and standard deviation of NO<sub>3</sub>-N readings at 30 and 60 sec. NO<sub>3</sub>-N concentration measured using standard analytical laboratory procedure (x-axis) versus reading of NO<sub>3</sub>-N concentration using strip and app. Black line marks 1:1 regression line.

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