Erratum to: Effects of the foliar application of calcium on photosynthesis, reactive oxygen species production, and changes in water relations in tomato seedlings under heat stress

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The original version of this article contained an error in the abstract.
The correct abstract should be written as follow.

Abstract. Many studies have investigated the impact of a single calcium salt on plant physiology under heat-stress, but it is difficult to determine the effect of calcium from those of its counterions. To address this, we investigated calcium-mediated heat tolerance in tomato seedlings using foliar sprays of four different salt solutions: CaCl_2 , CaNO_3 , MgCl_2 or KNO_3 . The application of CaCl_2 and CaNO_3 improved the operating efficiency of photosystem II (PSII) in the light-adapted state (Φ_{PSII}), maximum quantum efficiency of PSII in the dark-adapted state (F_v/F_m), and the CO_2 assimilation rate under the heat-stress condition. In contrast, the application of MgCl_2 and KNO_3 had no significant effect on those parameters. The application of CaCl_2 and CaNO_3 resulted in a lower production of hydrogen peroxide, superoxide, and cell death than the heat-stressed control plants. The application of MgCl_2 and KNO_3 also resulted in lower hydrogen peroxide and superoxide production, but to a lesser extent. Leaf osmotic potential values of seedlings treated with the salt solutions were lower than the control.

The online version of the original article can be found under
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