

Minerals of Canola (*Brassica napus*) as Affected by Water Stress and Applied Calcium

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Abstract : Plants are naturally exposed to a wide variety of environmental stresses. The stresses may be biotic or/and abiotic. These environmental stresses have adverse effects on photosynthesis, water relation and nutrients uptake of plants. Fertilization of plants with exogenous minerals can enhance the drought tolerance in plants. In this experiment, canola (*Brassica napus*) was treated with solutions of calcium nitrate in different concentrations before the imposition of drought stress for 10 days. It was observed that drought stress decreased the tissue-K, Ca and K/Ca ratio of canola seedlings. The tissue-carbon and nitrogen contents were also depressed by the drought stress. Application of calcium nitrate, however, could alleviate the adverse effects of drought stress by showing a positive effect on all the aforementioned parameters.

Keywords : *Brassica napus*, calcium, carbon, potassium

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