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ISHS Acta Horticulturae 947: II International Symposium on Soilless Culture and Hydroponics

HUMIC SUBSTANCES AND MOISTURE CONTENT IN MEDIA ALTER BIOMASS PRODUCTION AND BIOACTIVE CONSTITUENTS OF *THYMUS VULGARIS* L.

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Keywords: plant nutrition, water content, growth, yield

DOI: [10.17660/ActaHortic.2012.947.38](https://doi.org/10.17660/ActaHortic.2012.947.38)

Abstract:

Humic substances (HS) are a natural product that increase biochemical interactions, and have beneficial effects on soil and growth plant. But it is unknown whether they can be improve the yield and composition of bioactive constituents in thyme (*Thymus vulgaris* L.). To test the effect of these substances, thyme seedlings were obtained from seeds growing under different doses of HS from a commercial product: 100, 200, 300 and 400 mg/L. Thyme plants were grown using three moisture levels 20, 40, 60% of not capacity. Changes in plant growth were determined in terms of height of plant, fresh and dry matter. The bioactive constituents were determined in terms of

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