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**Effect of Plant Biostimulants on Essential Oil, Chlorophylls and Carotenoid Content in Mentha under Salin Condition**

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Plant biostimulants are organic materials that impact several metabolic procedures and when applied in small quantities, improve the plant growth and development [1]. In general, they stimulate metabolic processes for more yields in plants. This study investigated the Mentha essential oil and its photosynthetic pigment under use of biostimulants for the possible reduction in use of chemical fertilizers under salinity condition. This experiment was conducted on the basis of completely randomized design with three replications. The treatments included commercial formulations of aminoforte, kadostim, fosnutren, humiforte and control, salinity was in four levels (no-salt, salinity 25, 50 and 75 mM NaCl). The results showed that chlorophyll a, b, carotenoids and essential oil decreased with increasing salinity level and application of biostimulants can increase amount of plant photosynthetic pigments and essential oil than control.

**Keywords:** Biostimulants, Essential oil, Carotenoid, Chlorophylls

**Reference**

[1] Saa-Silva, S.; Brown, P.; Ponchet M. *International Society of Horticultural Science*. 2013.