



The preliminary study of biostimulating effect of some derivatives of the naphthalic acid on harvesting increase of the cucumber in greenhouse

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The bio stimulating effect of naphtha anhydride (S1), N-(2 hydroxyethyl) naphthalimide (S2), naphthalic acid salts with ethanolamine (S3), naphthalic acid salt with dimethylaminoethanol (S4), against harvesting increase of the cucumber in the greenhouse, was the subject of this paper. These compounds, were synthesised and assessed biologically in our laboratory. In laboratory, the general biotest was used on monocotyledonous and dicotyledonous seeds. The obtained results made us to promote an experiment in greenhouse conditions on Renato-F1 variety, cucumber specie (*Cucumis sativus*) The experiment was carried at S.C.Horticultura S.A.Timișoara in thirteen variants and three repetitions, using two treatments with named compounds in 10, 20. 50 ppm concentrations, comparatively with control. The number of the fruits, the average weight of the fruits and average harvest on plant were noticed and statistically calculated. All tested compounds have stimulate significant the increase of the harvest.