



The effect of the treatments application of some bioactive substances on the productions obtained at the eggplants aubergines

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Among the modern methods of the vegetable plants growing which take into account the production the production increase both regarding the quantitative aspect and the quality aspect one can find those of use of different chemical factors, among which the growth phytohormones have great importance. This bioactive substance (matters) has a favorable effect as what concerns the vital processes of the vegetal organism. Within the experience one took into account view the investigated amino-acids are without exception at all the used substances and in all the used substances and in all stages of organogenesis. For the proposed research, we have chosen two species, respectively Long Purple and Pana Corbului. The experience was divided into four variants and we applied the following treatments with bioactive substance: V1- reference sample untreated; V2- Atonik 0.05%; -V3- Revital 0.05%; - V4 Gibereline GA- 0.001%. During the experience we made observation and biometrical determinations concerning the fruits harvest at the technological maturity. The average of the early and total production obtained makes evident the benefic effect of the treatments applied with different bioactive substances through very significant differences and respectively significant at two between the experimental variants V2 (Atonik 0,05%) and V3 (Revital 0,05%) in comparison with the reference sample variant both to Long Purple species and to Pana Corbului species. At the two species, the differences of production achieved at V4 (Gibereline 0,001%) in comparison to the reference sample untreated were negative. We (Gibereline (0,001%) in comparison to the reference sample untreated were negative. We must mention too the fact that the plants treated with the two bioactive substances, respectively Atonik 0,05% and Revital 0,05% have become more resistant to illnesses and the climate conditions.